Application

Kennecott
Eagle Minerals

Humboldt Mill

Mining Permit Application
Volume IIE

Environmental Impact Assessment
Appendix B-1 continued (5 of 5)

Project I.D.: 06W003

Kennecott Eagle Minerals Company
Ishpeming, Michigan

December 2008

Foth

Appendix F

Surface Water and Sediment Sampling Results

F-1

NJC Field Reports

August – September 2006
Surface Water and Sediment Quality

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 8/3/06, 8/16/06, 8/17/06, 8/23/06, 9/13/06

Activities: Collected surface water and sediment samples from EBR-001, WBR-001, WBR-002, WBR-003, MBR-001, MER-001, MER-002, MER-003, WLD-001, WLD-002, WLD-003, LKL-001, LKL-002, HMP-001, HTP-001 and HTP-002.

Completed flow measurements at above locations on 8/3/06, 8/7/06, 8/8/06 and 8/17/06.

Collected duplicate and field blank samples.

Field Report Attachments

Field Analytical Data Summary	yes
Flow Measurement	yes
Water Sampling Log	yes
Chain of Custody Numbers	0992731, 0992732, 0992755, 0992756, 0992975, 0974280

Laboratory Analysis
Pace - Metals, cations, anions, general chemistry, organics

Sampler Name(s): Andy Maracini (AJM), Richard Eagle (RRE), Dan Wiitala (DWW), Kari Paulson (KMP) and Peter Sabee (PJS)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Surface Water Sample ID	Sediment Sample ID	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	EBRS-001	EBRD-001	8/3/06	18	236	7.8	2
WBR-001	WBRS-001	WBRD-001	8/3/06	16	65	6.4	4.5
WBR-002	WBRS-002	WBRD-002	8/3/06	21	197	6.7	3
WBR-003	WBRS-003	WBRD-003	8/3/06	18	187	6.8	5
MBR-001	MBRS-001	MBRD-001	8/3/06	17	173	7.7	6
MER-001	MERS-001	MERD-001	8/17/06	16	115	7.7	7
MER-002	MERS-002	MERD-002	8/3/06	19	125	7.0	7
MER-003	MERS-003	MERD-003	8/17/06	17	148	7.5	5
WLD-001	WLDS-001	WLDD-001	8/17/06	20	178	7.4	5
WLD-002	WLDS-002E	N/A	9/13/06	13	40	6.8	6
WLD-003	WLDS-003E	WLDD-003	8/23/06	22	47	7.6	8
LKL-001	LKLS-001E	LKLD-001	8/16/06	22	64	7.9	7
LKL-001	LKLS-001H	N/A	8/16/06	13	77	7.1	<1
LKL-002	LKLS-002E	LKLD-002	8/16/06	22	65	8.0	7
LKL-002	LKLS-002H	N/A	8/16/06	12	70	7.6	<1
HMP-001	HMPS-001E	HMPD-001	9/13/06	17	457	8.5	7
HMP-001	HMPS-001H	N/A	9/13/06	5.3	NM	NM	0.2
HTP-001	HTPS-001E	HTPD-001	8/23 & 9/13/06	20	147	8.5	5
HTP-002	HTPS-002E	HTPD-002	8/23/06	20	97	7.8	7

NA Not applicable
NM Not measured

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill Site

Location	Measurement Date	Flow (cfs)
EBR-001	8/3/06	<0.3
WBR-001	8/7/06	0.03
WBR-002	8/8/06	<0.1
WBR-003	8/8/06	0.1
MBR-001	8/8/06	0.15
MER-001	8/17/06	5.2
MER-002	8/17/06	7.1*
MER-003	8/17/06	8.3

*As reported at www. waterdata.usgs.gov/.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, clear, light breeze, ~60°s F
Location: EBR-001
Surface Water Sample ID: EBRS-001
Sediment Sample ID: EBRD-001

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 0845

Odor: None
Appearance: Slight color

Temperature (°C): 18
Spec. Cond. (µmhos/cm @ 25°C): 236
Conductivity (µmhos): 204
pH (SU): 7.8
D.O. (ppm): 2

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: Flow not measurable on 8/7/06 (too deep and too slow). Estimate as <0.3 cfs.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, clear, light breeze, ~70°s F
Location: WBR-001
Surface Water Sample ID: WBRS-001
Sediment Sample ID: WBRD-001

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 1050

Odor: None
Appearance: Yellowish but clear

Temperature (°C): 16
Spec. Cond. (µmhos/cm @ 25°C): 65
Conductivity (µmhos): 54
pH (SU): 6.4
D.O. (ppm): 4.5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement RRE 8/7/06

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.2	0.0	0.00	0.00	0.00
0.9	0.3	0.1	0.05	0.03	0.00
1.1	0.2	0.2	0.42	0.04	0.02
1.3	0.2	0.2	0.33	0.04	0.01
1.5	0.2	0.1	0.10	0.02	0.00
1.7	0.1	0.0	0.00	0.00	0.00

Total Flow: 0.03

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, clear, light breeze, ~70°s F
Location: WBR-002
Surface Water Sample ID: WBRS-002
Sediment Sample ID: WBRD-002

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 1015

Odor: Swampy, hydrogen sulfide
Appearance: Floating iron precipitate

Temperature (°C): 21
Spec. Cond. (µmhos/cm @ 25°C): 197
Conductivity (µmhos): 181
pH (SU): 6.7
D.O. (ppm): 3

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: Flow too shallow to measure on 8/8/06 (estimated as <0.1 cfs).

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, clear, light breeze, ~60°s F
Location: WBR-003
Surface Water Sample ID: WBRS-003
Sediment Sample ID: WBRD-003

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 0945

Odor: None
Appearance: Slight iron cast, oily sheen on top

Temperature (°C): 18
Spec. Cond. (μmhos/cm @ 25°C): 187
Conductivity (μmhos): 163
pH (SU): 6.8
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks:

Right Culvert Flow Measurement RRE 8/8/06

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.3	0.0	0.00	0.0	0.00
0.5	0.4	0.2	0.38	0.1	0.03
0.7	0.2	0.2	0.40	0.0	0.02
0.9	0.2	0.3	0.43	0.1	0.02
1.1	0.3	0.2	0.44	0.1	0.03
1.5	0.2	0.0	0.00	0.0	0.00

Flow through right culvert: 0.09

Left Culvert Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.2	0.0	0.00	0.0	0.00
0.4	0.4	0.2	0.00	0.1	0.00
0.7	0.3	0.4	0.00	0.1	0.00
1.0	0.3	0.4	0.03	0.1	0.00
1.3	0.4	0.3	0.03	0.1	0.00
1.7	0.2	0.0	0.00	0.0	0.00

Flow through left culvert: 0.01

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, clear, ~60°s F
Location: MBR-001
Surface Water Sample ID: MBRS-001
Sediment Sample ID: MBRD-001

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 0915

Odor: None
Appearance: Clear

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 173
Conductivity (µmhos): 148
pH (SU): 7.7
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks:

Meter units: ft/sec

Flow Measurement RRE 8/8/06 **Flow period:** 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.5	0.0	0.00	0.0	0.00
2.0	1.0	0.2	0.00	0.2	0.00
3.0	1.0	0.2	0.00	0.2	0.00
4.0	1.0	0.3	0.00	0.3	0.00
5.0	0.8	0.4	0.01	0.3	0.00
5.5	0.5	0.5	0.02	0.3	0.01
6.0	0.5	0.5	0.07	0.3	0.02
6.5	0.5	0.5	0.08	0.3	0.02
7.0	0.5	0.5	0.06	0.3	0.02
7.5	0.5	0.6	0.07	0.3	0.02
8.0	0.5	0.6	0.05	0.3	0.02
8.5	0.5	0.6	0.07	0.3	0.02
9.0	0.5	0.6	0.08	0.3	0.02
9.5	0.3	0.6	0.07	0.2	0.01

Total Flow: 0.15

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~70°s F
Location: MER-001
Surface Water Sample ID: MERS-001
Sediment Sample ID: MERD-001

Date: 8/17/06
Sampler(s): RRE/AJM
Sampling time: 1045

Odor: None
Appearance: Clear, slight tanin

Temperature (°C): 16
Spec. Cond. (µmhos/cm @ 25°C): 115
Conductivity (µmhos): 96
pH (SU): 7.7
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: RP=5.7'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement RRE/AJM 8/17/06

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	1.5	0.0	0.00	0.0	0.00
8.0	2.0	0.2	0.03	0.4	0.01
9.0	1.0	0.2	0.36	0.2	0.07
10.0	1.0	0.2	0.68	0.2	0.14
11.0	1.0	0.3	0.49	0.3	0.15
12.0	1.0	0.4	0.50	0.4	0.20
13.0	1.0	0.5	0.74	0.5	0.37
14.0	1.0	0.5	0.90	0.5	0.45
15.0	1.0	0.5	0.83	0.5	0.42
16.0	1.0	0.5	0.90	0.5	0.45
17.0	1.0	0.5	0.76	0.5	0.38
18.0	1.0	0.6	0.72	0.6	0.43
19.0	1.0	0.6	0.72	0.6	0.43
20.0	1.0	0.6	0.73	0.6	0.44
21.0	1.0	0.6	0.37	0.6	0.22
22.0	1.0	0.6	0.52	0.6	0.31
23.0	1.0	0.6	0.57	0.6	0.34
24.0	1.0	0.6	0.28	0.6	0.17
25.0	1.0	0.5	0.28	0.5	0.14
26.0	1.0	0.3	0.12	0.3	0.04
27.0	1.0	0.2	0.04	0.2	0.01
28.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 5.2

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, breeze, ~80°s F
Location: MER-002
Surface Water Sample ID: MERS-002
Sediment Sample ID: MERD-002

Date: 8/3/06
Sampler(s): AJM/RRE
Sampling time: 1300

Odor: None
Appearance: Slight tanin (yellow), clear

Temperature (°C): 19
Spec. Cond. (µmhos/cm @ 25°C): 125
Conductivity (µmhos): 109
pH (SU): 7.0
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: No flow measurement, used USGS published data instead (7.1 cfs). RP=1.92'.
Masked duplicate (DUPS-001) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: MER-003
Surface Water Sample ID: MERS-003
Sediment Sample ID: MERD-003

Date: 8/17/06
Sampler(s): RRE/AJM
Sampling time: 0910

Odor: None
Appearance: Slight tanin

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 148
Conductivity (µmhos): 126
pH (SU): 7.5
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: RP=3.74'.

Meter units: ft/sec

Flow Measurement RRE/AJM 8/17/06 **Flow period:** 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Angle (°)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.0	0.0	10	0.00	0.0	0.00
3.0	1.5	0.2	10	0.50	0.3	0.15
4.0	1.0	0.4	10	1.34	0.4	0.53
5.0	0.8	0.4	10	1.69	0.3	0.50
5.5	0.5	0.4	10	1.97	0.2	0.39
6.0	0.5	0.5	10	1.74	0.3	0.43
6.5	0.5	0.5	10	1.66	0.3	0.41
7.0	0.5	0.5	0	1.51	0.3	0.38
7.5	0.5	0.6	0	1.72	0.3	0.52
8.0	0.5	0.6	0	1.58	0.3	0.47
8.5	0.5	0.6	0	2.14	0.3	0.64
9.0	0.5	0.6	0	2.05	0.3	0.62
9.5	0.5	0.5	0	2.14	0.3	0.54
10.0	0.5	0.5	0	2.15	0.3	0.54
10.5	0.5	0.5	0	2.14	0.3	0.54
11.0	0.5	0.5	0	1.26	0.3	0.32
11.5	0.5	0.4	0	1.54	0.2	0.31
12.0	0.8	0.4	0	1.64	0.3	0.49
13.0	1.0	0.3	10	1.15	0.3	0.34
14.0	1.0	0.2	10	1.14	0.2	0.22
15.0	0.5	0.0	10	0.00	0.0	0.00

Total Flow: 8.3

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~70°s F
Location: WLD-001
Surface Water Sample ID: WLDS-001
Sediment Sample ID: WLDD-001

Date: 8/17/06
Sampler(s): RRE/AJM
Sampling time: 1315

Odor: None
Appearance: Slight color, cloudy

Temperature (°C): 20
Spec. Cond. (µmhos/cm @ 25°C): 178
Conductivity (µmhos): 162
pH (SU): 7.4
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light breeze, partly cloudy, ~70°s F
Location: WLD-002
Surface Water Sample ID: WLDS-002E
Sediment Sample ID: N/A

Date: 9/13/06
Sampler(s): AJM/DWW
Sampling time: 1400

Odor: None
Appearance: Slight color/tannin, some sediment

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 40
Conductivity (µmhos): 31
pH (SU): 6.8
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: No sediment collected because material was unconsolidated organics.
Sample depth at 1.2' (total depth 6').

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~70°s F
Location: WLD-003
Surface Water Sample ID: WLDS-003E
Sediment Sample ID: WLDD-003

Date: 8/23/06
Sampler(s): DWW/AJM/PJS
Sampling time: 1515

Odor: None
Appearance: Slight tannin

Temperature (°C): 22
Spec. Cond. (µmhos/cm @ 25°C): 47
Conductivity (µmhos): 44
pH (SU): 7.6
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: None
Remarks: Not stratified. Collected masked duplicates (DUPS-001 and DUPD-001) here.

Depth (ft)	Temp (C)	DO (ppm)	Other
0	22.8		
1	21.6		
5	21.6		

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Location: LKL-001
Surface Water Sample ID: LKLS-001E
Sediment Sample ID: LKLD-001

Date: 8/16/06
Sampler(s): RRE/PJS/AJM
Sampling time: 1445

Odor: None
Appearance: Slight tannin

Temperature (°C): 22
Spec. Cond. (µmhos/cm @ 25°C): 64
Conductivity (µmhos): 60
pH (SU): 7.9
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: None
Remarks: Sampled water at 7.5' depth. Used petite Ponar dredge for sediment sample.

Depth (ft)	Temp (C)	DO (ppm)	Other	
Surface	22.1	7	Ferrous=<0.1	E
5	21.9	7		E
10	21.5	7		E
15	21.1	6		T
16	20.4			T
17	18.0	3		T
18	16.7	1	Ferrous=<0.1	T
19	15.5			T
20	14.4			T
21	13.6			T
22	13.0			T
23	12.7			H
25	12.4		Ferrous=1.5	H

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Location: LKL-001
Surface Water Sample ID: LKLS-001H
Sediment Sample ID: N/A

Date: 8/16/06
Sampler(s): RRE/PJS/AJM
Sampling time: 1500

Odor: None
Appearance: Slight tannin

Temperature (°C): 13
Spec. Cond. (μmhos/cm @ 25°C): 77
Conductivity (μmhos): 59
pH (SU): 7.1
D.O. (ppm): <1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampled at 24' depth.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Location: LKL-002
Surface Water Sample ID: LKLS-002E
Sediment Sample ID: LKLD-002

Date: 8/16/06
Sampler(s): RRE/PJS/AJM
Sampling time: 1550

Odor: None
Appearance: Slight tannin

Temperature (°C): 22
Spec. Cond. (μmhos/cm @ 25°C): 65
Conductivity (μmhos): 61
pH (SU): 8.0
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: None
Remarks: Sampled water at 7.5' depth. Total depth = 29'.
Used petite Ponar dredge for sediment sample.

Depth (ft)	Temp (C)	DO (ppm)	Other
Surface	22.6	NM	E
15	21.4	NM	T
21	12.9	NM	H
29	11.4	NM	H

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Location: LKL-002
Surface Water Sample ID: LKLS-002H
Sediment Sample ID: N/A

Date: 8/16/06
Sampler(s): RRE/PJS/AJM
Sampling time: 1545

Odor: Strong hydrogen sulfide
Appearance: Slight tannin

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 70
Conductivity (µmhos): 96
pH (SU): 7.6
D.O. (ppm): <1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampled at 25' depth.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light breeze, partly cloudy, ~70°s F
Location: HMP-001
Surface Water Sample ID: HMPS-001E
Sediment Sample ID: HMPD-001

Date: 9/13/06
Sampler(s): RRE/PJS
Sampling time: 1430

Odor: None
Appearance: Clear

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 457
Conductivity (µmhos): 385
pH (SU): 8.5
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: None
Remarks: Water sampled at 10'. Sediment sample at 185' (tailings).
Used petite Ponar dredge for sediment sample.

Depth (ft)	Temp (C)	DO (ppm)	Other/Comment	
Surface	17.0	7		E
10	16.7	7	Ferrous=<0.1	E
18	16.6	7		E
20	16.3	NM		T
22	14.5	8		T
24	12.0	9		T
27	10.6	8		T
30	9.9	10		H
35	8.4	9		H
45	6.2	7		H
55	5.4	7		H
65	5.1	6		H
85	5.1	4		H
105	5.3	0.2	Ferrous=<0.1	H
130	5.5	0.01		H
170	5.6	0.005		H
180	NM	NM	Pumped tailings	H

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light breeze, partly cloudy, ~70°s F
Location: HMP-001
Surface Water Sample ID: HMPS-001H
Sediment Sample ID: N/A

Date: 9/13/06
Sampler(s): RRE/PJS
Sampling time: 1530

Odor: None
Appearance: Clear

Temperature (°C): 5.3
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): 0.2

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampled at 105' depth. Total depth 185'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~60°s F
Location: HTP-001
Surface Water Sample ID: HTPS-001E
Sediment Sample ID: HTPD-001

Date: 8/23 & 9/13/06
Sampler(s): DWW/AJM/PJS
Sampling time: 1115

Odor: None
Appearance: Clear

Temperature (°C): 20
Spec. Cond. (µmhos/cm @ 25°C): 147
Conductivity (µmhos): 132
pH (SU): 8.5
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: Not stratified. Total depth 2.9'. Water sample at 1'. Used petite Ponar dredge for sediment sample.
Ferrous <0.1 mg/L. Hg recollected on 9-13-06 due to broken container.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~70°s F
Location: HTP-002
Surface Water Sample ID: HTPS-002E
Sediment Sample ID: HTPD-002

Date: 8/23/06
Sampler(s): DWW/AJM
Sampling time: 1330

Odor: None
Appearance: Algal green/brown

Temperature (°C): 20
Spec. Cond. (µmhos/cm @ 25°C): 97
Conductivity (µmhos): 88
pH (SU): 7.8
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS
Sediment	1	4 oz amber glass	None	Metals
Sediment	1	4 oz poly	None	Sulfide

Photographs: Yes
Remarks: Not stratified. Used petite Ponar dredge for sediment sample.
Ferrous=<0.1 mg/L.

Depth (ft)	Temp (C)	DO (ppm)	Other
1	21		
5	20		

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill Site

Location	Measurement Date	Flow (cfs)
EBR-001	9/12/06	<2.0*
WBR-001	9/12/06	0.04
WBR-002	9/12/06	0.1*
WBR-003	9/12/06	0.04
MBR-001	9/12/06	0.1
MER-001	9/12/06	6.6
MER-002	9/12/06	7.0
MER-003	9/12/06	9.1
WLD-001NW	9/12/06	0.0
WLD-001SE	9/12/06	0.0

*Estimated.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: EBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 0955 RP start (ft): 2.61

Finish time: 1020 RP end (ft): 2.61

Inst. read: NA

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 244
Conductivity (µmhos): 186
pH (SU): 7.7
D.O. (ppm): 6

Remarks: Appears to be positive flow but could not get positive reading. Used 0.05 ft/s across profile and estimated flow as <2.0 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 1220 RP start (ft): 1.52

Finish time: 1235 RP end (ft): 1.52

Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 66
Conductivity (µmhos): 47
pH (SU): 7.0
D.O. (ppm): 8

Remarks: Flow through center culvert.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.2	0.0	0.00	0.0	0.00
0.3	0.3	0.1	0.40	0.0	0.01
0.5	0.2	0.1	0.76	0.0	0.02
0.7	0.2	0.1	0.45	0.0	0.01
0.9	0.2	0.1	0.13	0.0	0.00
1.1	0.1	0.0	0.00	0.0	0.00

Total Flow: **0.04**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-002

Date: 9/12/06
Gage Reader: RRE

Start time: NM
RP start (ft): NM
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): 15
Spec. Cond. (µmhos/cm @ 25°C): 150
Conductivity (µmhos): 120
pH (SU): 7.4
D.O. (ppm): 4

Remarks: Set new RP (3.06'). Old (temporary) RP=1.01).
Too shallow to measure flow. Estimated 0.1 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-003

Date: 9/12/06
Gage Reader: RRE

Start time: 1040 RP start (ft): 2.31
Finish time: 1053 RP end (ft): 2.31
Inst. read: NA

Temperature (°C): 12
Spec. Cond. (μmhos/cm @ 25°C): 77
Conductivity (μmhos): 58
pH (SU): 7.4
D.O. (ppm): 5

Remarks: No flow evident through left culvert.

Right Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.1	0.2	0.0	0.00	0.0	0.00
1.4	0.3	0.1	0.20	0.0	0.01
1.7	0.3	0.2	0.30	0.1	0.02
2.0	0.4	0.2	0.31	0.1	0.02
2.4	0.2	0.0	0.00	0.0	0.00

Flow through right culvert: **0.04**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light rain, ~50°s F
Location: MBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 0930 RP start (ft): 4.35
Finish time: 0940 RP end (ft): 4.35
Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 134
Conductivity (µmhos): 97
pH (SU): 7.9
D.O. (ppm): 8

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.5	0.0	0.00	0.0	0.00
1.6	0.7	0.7	0.22	0.5	0.10
1.9	0.3	0.8	0.33	0.2	0.07
2.2	0.3	0.8	0.19	0.2	0.04
2.5	0.3	0.5	0.05	0.2	0.01
2.8	0.5	0.4	-0.04	0.2	-0.01
3.4	0.6	0.5	-0.11	0.3	-0.03
4.0	0.6	0.5	-0.10	0.3	-0.03
4.6	0.6	0.3	-0.10	0.2	-0.02
5.2	0.6	0.2	-0.04	0.1	0.00
5.8	0.3	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-001

Date: 9/12/06
Gage Reader: RRE

Start time: 1300 RP start (ft): 5.71
Finish time: 1323 RP end (ft): 5.71
Inst. read: NA

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 113
Conductivity (µmhos): 87
pH (SU): 7.8
D.O. (ppm): 9

Remarks: Temporary RP=0.61'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	1.0	0.0	0.00	0.0	0.00
7.0	1.4	0.3	0.10	0.4	0.04
7.8	0.8	0.4	0.25	0.3	0.08
8.6	0.8	0.5	0.35	0.4	0.14
9.4	0.8	0.6	0.48	0.5	0.23
10.2	0.8	0.6	0.67	0.5	0.32
11.0	0.8	0.6	0.66	0.5	0.32
11.8	0.8	0.6	0.70	0.5	0.34
12.6	0.8	0.6	0.67	0.5	0.32
13.4	0.8	0.6	0.75	0.5	0.36
14.2	0.8	0.7	0.70	0.6	0.39
15.0	0.8	0.7	0.81	0.6	0.45
15.8	0.8	0.6	0.84	0.5	0.40
16.6	0.8	0.6	0.85	0.5	0.41
17.4	0.8	0.6	0.88	0.5	0.42
18.2	0.8	0.6	0.94	0.5	0.45
19.0	0.8	0.5	0.98	0.4	0.39
19.8	0.8	0.4	0.82	0.3	0.26
20.6	0.8	0.4	0.68	0.3	0.22
21.4	0.8	0.4	0.78	0.3	0.25
22.2	0.8	0.4	0.85	0.3	0.27
23.0	0.9	0.3	0.94	0.3	0.25
24.0	1.0	0.3	0.79	0.3	0.24
25.0	1.0	0.2	0.37	0.2	0.07
26.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 6.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-002

Date: 9/12/06
Gage Reader: RRE

Start time: 1410 RP start (ft): 1.68

Finish time: 1430 RP end (ft): 1.68

Inst. read: NA

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 68
Conductivity (µmhos): 54
pH (SU): 7.6
D.O. (ppm): 7

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
7.0	1.0	0.0	0.00	0.0	0.00
9.0	1.5	0.7	0.09	1.1	0.09
10.0	1.0	1.3	0.24	1.3	0.31
11.0	1.0	1.3	0.22	1.3	0.29
12.0	1.0	1.4	0.32	1.4	0.45
13.0	1.0	1.4	0.26	1.4	0.36
14.0	1.0	1.4	0.34	1.4	0.48
15.0	1.0	1.4	0.29	1.4	0.41
16.0	1.0	1.3	0.22	1.3	0.29
17.0	1.0	1.4	0.21	1.4	0.29
18.0	1.0	1.5	0.24	1.5	0.36
19.0	1.0	1.6	0.22	1.6	0.35
20.0	1.0	1.6	0.33	1.6	0.53
21.0	1.0	1.8	0.32	1.8	0.58
22.0	1.0	1.8	0.30	1.8	0.54
23.0	1.0	1.8	0.17	1.8	0.31
24.0	1.0	1.5	0.27	1.5	0.41
25.0	1.0	1.4	0.21	1.4	0.29
26.0	1.0	1.2	0.23	1.2	0.28
27.0	1.0	0.8	0.15	0.8	0.12
28.0	1.5	0.6	0.15	0.9	0.14
30.0	2.0	0.5	0.15	1.0	0.15
32.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 7.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-003

Date: 9/12/06
Gage Reader: RRE

Start time: 1450 RP start (ft): 3.73
Finish time: 1505 RP end (ft): 3.72
Inst. read: NA

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 159
Conductivity (µmhos): 125
pH (SU): 7.7
D.O. (ppm): 9

Remarks: Railroad bridge RP=8.06'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.5	0.0	0.00	0.0	0.00
3.0	0.8	0.3	0.89	0.2	0.20
3.5	0.5	0.2	1.42	0.1	0.14
4.0	0.5	0.3	1.41	0.2	0.21
4.5	0.5	0.3	1.57	0.2	0.24
5.0	0.5	0.3	2.04	0.2	0.31
5.5	0.5	0.5	1.94	0.3	0.49
6.0	0.5	0.4	2.31	0.2	0.46
6.5	0.5	0.5	1.91	0.3	0.48
7.0	0.5	0.6	2.32	0.3	0.70
7.5	0.5	0.6	1.99	0.3	0.60
8.0	0.5	0.6	2.33	0.3	0.70
8.5	0.5	0.6	2.03	0.3	0.61
9.0	0.5	0.6	2.07	0.3	0.62
9.5	0.5	0.6	2.29	0.3	0.69
10.0	0.5	0.6	2.05	0.3	0.62
10.5	0.5	0.5	1.95	0.3	0.49
11.0	0.5	0.5	1.82	0.3	0.46
11.5	0.5	0.3	2.54	0.2	0.38
12.0	0.8	0.3	1.74	0.2	0.39
13.0	1.0	0.2	1.92	0.2	0.38
14.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 9.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WLD-001NW

Date: 9/12/06
Gage Reader: RRE

Start time: NM
RP start (ft): NA
Finish time: NM
RP end (ft): NA
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow and no water below RP upstream.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WLD-001SE

Date: 9/12/06
Gage Reader: RRE

Start time: NM
RP start (ft): 1.10
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow/water is present but upstream end of culvert is plugged.
Water is present but dry downstream.

September 2006 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill Site

Location	Measurement Date	Flow (cfs)
EBR-001	9/12/06	<2.0*
WBR-001	9/12/06	0.04
WBR-002	9/12/06	0.1*
WBR-003	9/12/06	0.04
MBR-001	9/12/06	0.1
MER-001	9/12/06	6.6
MER-002	9/12/06	7.0
MER-003	9/12/06	9.1
WLD-001NW	9/12/06	0.0
WLD-001SE	9/12/06	0.0

*Estimated.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: EBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 0955 RP start (ft): 2.61

Finish time: 1020 RP end (ft): 2.61

Inst. read: NA

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 244
Conductivity (µmhos): 186
pH (SU): 7.7
D.O. (ppm): 6

Remarks: Appears to be positive flow but could not get positive reading. Used 0.05 ft/s across profile and estimated flow as <2.0 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 1220 RP start (ft): 1.52
Finish time: 1235 RP end (ft): 1.52
Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 66
Conductivity (µmhos): 47
pH (SU): 7.0
D.O. (ppm): 8

Remarks: Flow through center culvert.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.2	0.0	0.00	0.0	0.00
0.3	0.3	0.1	0.40	0.0	0.01
0.5	0.2	0.1	0.76	0.0	0.02
0.7	0.2	0.1	0.45	0.0	0.01
0.9	0.2	0.1	0.13	0.0	0.00
1.1	0.1	0.0	0.00	0.0	0.00

Total Flow: 0.04

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-002

Date: 9/12/06
Gage Reader: RRE

Start time: 1135 RP start (ft): 3.06

Finish time: 1140 RP end (ft): 3.06

Inst. read: NA

Temperature (°C): 15
Spec. Cond. (µmhos/cm @ 25°C): 150
Conductivity (µmhos): 120
pH (SU): 7.4
D.O. (ppm): 4

Remarks: Set new RP (3.06'). Old (temporary) RP=1.01.
Too shallow to measure flow. Estimated 0.1 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WBR-003

Date: 9/12/06
Gage Reader: RRE

Start time: 1040 RP start (ft): 2.31
Finish time: 1053 RP end (ft): 2.31
Inst. read: NA

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 77
Conductivity (µmhos): 58
pH (SU): 7.4
D.O. (ppm): 5

Remarks: No flow evident through left culvert.

Right Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.1	0.2	0.0	0.00	0.0	0.00
1.4	0.3	0.1	0.20	0.0	0.01
1.7	0.3	0.2	0.30	0.1	0.02
2.0	0.4	0.2	0.31	0.1	0.02
2.4	0.2	0.0	0.00	0.0	0.00

Flow through right culvert: 0.04

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MBR-001

Date: 9/12/06
Gage Reader: RRE

Start time: 0930 RP start (ft): 4.35

Finish time: 0940 RP end (ft): 4.35

Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 134
Conductivity (µmhos): 97
pH (SU): 7.9
D.O. (ppm): 8

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.5	0.0	0.00	0.0	0.00
1.6	0.7	0.7	0.22	0.5	0.10
1.9	0.3	0.8	0.33	0.2	0.07
2.2	0.3	0.8	0.19	0.2	0.04
2.5	0.3	0.5	0.05	0.2	0.01
2.8	0.5	0.4	-0.04	0.2	-0.01
3.4	0.6	0.5	-0.11	0.3	-0.03
4.0	0.6	0.5	-0.10	0.3	-0.03
4.6	0.6	0.3	-0.10	0.2	-0.02
5.2	0.6	0.2	-0.04	0.1	0.00
5.8	0.3	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-001

Date: 9/12/06
Gage Reader: RRE

Start time: 1300 RP start (ft): 5.71
Finish time: 1323 RP end (ft): 5.71
Inst. read: NA

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 113
Conductivity (µmhos): 87
pH (SU): 7.8
D.O. (ppm): 9

Remarks: Temporary RP=0.61'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	1.0	0.0	0.00	0.0	0.00
7.0	1.4	0.3	0.10	0.4	0.04
7.8	0.8	0.4	0.25	0.3	0.08
8.6	0.8	0.5	0.35	0.4	0.14
9.4	0.8	0.6	0.48	0.5	0.23
10.2	0.8	0.6	0.67	0.5	0.32
11.0	0.8	0.6	0.66	0.5	0.32
11.8	0.8	0.6	0.70	0.5	0.34
12.6	0.8	0.6	0.67	0.5	0.32
13.4	0.8	0.6	0.75	0.5	0.36
14.2	0.8	0.7	0.70	0.6	0.39
15.0	0.8	0.7	0.81	0.6	0.45
15.8	0.8	0.6	0.84	0.5	0.40
16.6	0.8	0.6	0.85	0.5	0.41
17.4	0.8	0.6	0.88	0.5	0.42
18.2	0.8	0.6	0.94	0.5	0.45
19.0	0.8	0.5	0.98	0.4	0.39
19.8	0.8	0.4	0.82	0.3	0.26
20.6	0.8	0.4	0.68	0.3	0.22
21.4	0.8	0.4	0.78	0.3	0.25
22.2	0.8	0.4	0.85	0.3	0.27
23.0	0.9	0.3	0.94	0.3	0.25
24.0	1.0	0.3	0.79	0.3	0.24
25.0	1.0	0.2	0.37	0.2	0.07
26.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 6.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-002

Date: 9/12/06
Gage Reader: RRE

Start time: 1410 RP start (ft): 1.68

Finish time: 1430 RP end (ft): 1.68

Inst. read: NA

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 68
Conductivity (µmhos): 54
pH (SU): 7.6
D.O. (ppm): 7

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
7.0	1.0	0.0	0.00	0.0	0.00
9.0	1.5	0.7	0.09	1.1	0.09
10.0	1.0	1.3	0.24	1.3	0.31
11.0	1.0	1.3	0.22	1.3	0.29
12.0	1.0	1.4	0.32	1.4	0.45
13.0	1.0	1.4	0.26	1.4	0.36
14.0	1.0	1.4	0.34	1.4	0.48
15.0	1.0	1.4	0.29	1.4	0.41
16.0	1.0	1.3	0.22	1.3	0.29
17.0	1.0	1.4	0.21	1.4	0.29
18.0	1.0	1.5	0.24	1.5	0.36
19.0	1.0	1.6	0.22	1.6	0.35
20.0	1.0	1.6	0.33	1.6	0.53
21.0	1.0	1.8	0.32	1.8	0.58
22.0	1.0	1.8	0.30	1.8	0.54
23.0	1.0	1.8	0.17	1.8	0.31
24.0	1.0	1.5	0.27	1.5	0.41
25.0	1.0	1.4	0.21	1.4	0.29
26.0	1.0	1.2	0.23	1.2	0.28
27.0	1.0	0.8	0.15	0.8	0.12
28.0	1.5	0.6	0.15	0.9	0.14
30.0	2.0	0.5	0.15	1.0	0.15
32.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 7.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: MER-003

Date: 9/12/06
Gage Reader: RRE

Start time: 1450 RP start (ft): 3.73
Finish time: 1505 RP end (ft): 3.72
Inst. read: NA

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 159
Conductivity (µmhos): 125
pH (SU): 7.7
D.O. (ppm): 9

Remarks: Railroad bridge RP=8.06'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.5	0.0	0.00	0.0	0.00
3.0	0.8	0.3	0.89	0.2	0.20
3.5	0.5	0.2	1.42	0.1	0.14
4.0	0.5	0.3	1.41	0.2	0.21
4.5	0.5	0.3	1.57	0.2	0.24
5.0	0.5	0.3	2.04	0.2	0.31
5.5	0.5	0.5	1.94	0.3	0.49
6.0	0.5	0.4	2.31	0.2	0.46
6.5	0.5	0.5	1.91	0.3	0.48
7.0	0.5	0.6	2.32	0.3	0.70
7.5	0.5	0.6	1.99	0.3	0.60
8.0	0.5	0.6	2.33	0.3	0.70
8.5	0.5	0.6	2.03	0.3	0.61
9.0	0.5	0.6	2.07	0.3	0.62
9.5	0.5	0.6	2.29	0.3	0.69
10.0	0.5	0.6	2.05	0.3	0.62
10.5	0.5	0.5	1.95	0.3	0.49
11.0	0.5	0.5	1.82	0.3	0.46
11.5	0.5	0.3	2.54	0.2	0.38
12.0	0.8	0.3	1.74	0.2	0.39
13.0	1.0	0.2	1.92	0.2	0.38
14.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 9.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WLD-001NW

Date: 9/12/06
Gage Reader: RRE

Start time: NM
RP start (ft): NA
Finish time: NM
RP end (ft): NA
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow and no water below RP upstream.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~50°s F
Location: WLD-001SE

Date: 9/12/06
Gage Reader: RRE

Start time: NM
RP start (ft): 1.10
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow/water is present but upstream end of culvert is plugged.
Water is present but dry downstream.

October 2, 2006 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill Site

Location	Measurement Date	Flow (cfs)
EBR-001	10/2/06	<3.0*
WBR-001	10/2/06	0.02
WBR-002	10/2/06	0.01
WBR-003	10/2/06	0.08
MBR-001	10/2/06	0.2
MER-001	10/2/06	6.7
MER-002	10/2/06	8.5**
MER-003	10/2/06	8.6
HMP-002	10/2/06	0.0
WLD-001NW	10/2/06	0.0
WLD-001SE	10/2/06	0.0

*Estimated.
**As reported at www.waterdata.usgs.gov/.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~60°s F
Location: EBR-001

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 1107 RP start (ft): 2.18

Finish time: 1115 RP end (ft): 2.18

Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 222
Conductivity (µmhos): 157
pH (SU): 7.4
D.O. (ppm): 6

Remarks: Velocity too low to measure. Estimated at <3.0 cfs using stage measurement, previously measured profile, and minimum velocity of 0.05 ft/s.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Clear, ~50°s F
Location: WBR-001

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0815 RP start (ft): 1.47

Finish time: 0837 RP end (ft): 1.52

Inst. read: NA

Temperature (°C): 7
Spec. Cond. (µmhos/cm @ 25°C): 74
Conductivity (µmhos): 51
pH (SU): 5.9
D.O. (ppm): 4

Remarks: Small amount of leaf backwater, possibly affecting gage RP end. RP end measured after removing leaves downstream.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.2	0.0	0.00	0.0	0.00
1.7	0.3	0.2	0.08	0.1	0.00
1.5	0.2	0.2	0.08	0.0	0.00
1.3	0.2	0.2	0.09	0.0	0.00
1.1	0.2	0.2	0.15	0.0	0.01
0.9	0.2	0.2	0.09	0.0	0.00
0.7	0.2	0.1	0.04	0.0	0.00
0.5	0.1	0.0	0.00	0.0	0.00

Total Flow: 0.02

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Mostly sunny, ~50°s F
Location: WBR-002

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0849 RP start (ft): 3.05

Finish time: 0906 RP end (ft): 3.05

Inst. read: NA

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 173
Conductivity (µmhos): 123
pH (SU): 6.8
D.O. (ppm): 3

Remarks: Poor measuring conditions (very low flow). Rust visible in streambed.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~50°s F
Location: WBR-003

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0930 RP start (ft): 2.20

Finish time: 0940 RP end (ft): 2.20

Inst. read: NA

Temperature (°C): 8
Spec. Cond. (µmhos/cm @ 25°C): 161
Conductivity (µmhos): 108
pH (SU): 6.9
D.O. (ppm): 5

Remarks:

Right Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.3	0.2	0.0	0.00	0.0	0.00
0.7	0.4	0.2	0.17	0.1	0.01
1.0	0.3	0.3	0.31	0.1	0.03
1.3	0.3	0.3	0.28	0.1	0.03
1.6	0.4	0.2	0.26	0.1	0.02
2.0	0.2	0.0	0.00	0.0	0.00

Flow through right culvert: 0.08

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~60°s F
Location: MBR-001

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 1030 RP start (ft): 4.29
Finish time: 1052 RP end (ft): 4.29
Inst. read: NA

Temperature (°C): 8
Spec. Cond. (µmhos/cm @ 25°C): 159
Conductivity (µmhos): 108
pH (SU): 7.5
D.O. (ppm): 8

Remarks: Near rating condition; some leaves on control.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.3	0.0	0.00	0.0	0.00
0.5	0.4	0.7	0.03	0.3	0.01
0.8	0.3	0.7	0.03	0.2	0.01
1.1	0.3	0.6	0.09	0.2	0.02
1.4	0.3	0.5	0.18	0.2	0.03
1.7	0.3	0.5	0.20	0.2	0.03
2.0	0.3	0.6	0.21	0.2	0.04
2.3	0.3	0.8	0.21	0.2	0.05
2.6	0.3	0.5	0.22	0.2	0.03
2.9	0.3	0.4	0.07	0.1	0.01
3.2	0.3	0.5	0.03	0.2	0.00
3.5	0.4	0.4	0.03	0.2	0.00
4.0	0.5	0.4	0.00	0.2	0.00
4.5	0.5	0.3	0.00	0.2	0.00
5.0	0.5	0.2	0.00	0.1	0.00
5.5	0.3	0.0	0.00	0.0	0.00

Total Flow: 0.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, little breeze, ~60°s F
Location: MER-001

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 1208 RP start (ft): 5.69

Finish time: 1242 RP end (ft): 5.70

Inst. read: NA

Temperature (°C): 11
Spec. Cond. (µmhos/cm @ 25°C): 125
Conductivity (µmhos): 90
pH (SU): 7.6
D.O. (ppm): 9

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
7.0	0.5	0.0	0.00	0.0	0.00
8.0	1.0	0.2	0.03	0.2	0.01
9.0	1.0	0.3	0.33	0.3	0.10
10.0	1.0	0.4	0.37	0.4	0.15
11.0	1.0	0.6	0.47	0.6	0.28
12.0	1.0	0.6	0.53	0.6	0.32
13.0	1.0	0.6	0.61	0.6	0.37
14.0	1.0	0.7	0.61	0.7	0.43
15.0	1.0	0.7	0.63	0.7	0.44
16.0	1.0	0.7	0.71	0.7	0.50
17.0	1.0	0.7	0.69	0.7	0.48
18.0	1.0	0.7	0.72	0.7	0.50
19.0	1.0	0.6	0.72	0.6	0.43
20.0	1.0	0.6	0.75	0.6	0.45
21.0	1.0	0.6	0.77	0.6	0.46
22.0	1.0	0.6	0.79	0.6	0.47
23.0	1.0	0.5	0.75	0.5	0.38
24.0	1.0	0.4	0.77	0.4	0.31
25.0	1.0	0.4	0.72	0.4	0.29
26.0	1.0	0.4	0.61	0.4	0.24
27.0	1.0	0.2	0.39	0.2	0.08
28.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 6.7

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~60°s F
Location: MER-002

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 1313 RP start (ft): 1.79

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 143
Conductivity (µmhos): 107
pH (SU): 7.1
D.O. (ppm): 9

Remarks: Steel v-notch wier, clear of any debris.
No flow measurement, used USGS hourly data instead (8.5 cfs with gage height of 1.66').

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, warm, ~70°s F
Location: MER-003

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 1338 RP start (ft): 3.72

Finish time: 1406 RP end (ft): 3.73

Inst. read: NA

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 154
Conductivity (µmhos): 116
pH (SU): 7.4
D.O. (ppm): 10

Remarks: Control has grass growing on bottom.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
4.0	1.0	0.0	0.00	0.0	0.00
6.0	1.5	0.2	0.38	0.3	0.11
7.0	1.0	0.2	0.41	0.2	0.08
8.0	1.0	0.3	0.57	0.3	0.17
9.0	1.0	0.3	0.75	0.3	0.23
10.0	1.0	0.3	0.87	0.3	0.26
11.0	1.0	0.3	1.25	0.3	0.38
12.0	1.0	0.4	1.31	0.4	0.52
13.0	1.0	0.4	1.26	0.4	0.50
14.0	1.0	0.5	1.20	0.5	0.60
15.0	1.0	0.5	1.09	0.5	0.55
16.0	1.0	0.5	1.15	0.5	0.58
17.0	1.0	0.5	1.02	0.5	0.51
18.0	1.0	0.5	0.92	0.5	0.46
19.0	1.5	0.5	0.86	0.8	0.65
21.0	1.8	0.5	0.66	0.9	0.58
22.5	1.5	0.5	0.59	0.8	0.44
24.0	1.5	0.5	0.59	0.8	0.44
25.5	1.5	0.6	0.50	0.9	0.45
27.0	1.5	0.5	0.45	0.8	0.34
28.5	1.5	0.5	0.39	0.8	0.29
30.0	1.5	0.5	0.34	0.8	0.26
31.5	1.5	0.4	0.26	0.6	0.16
33.0	1.8	0.4	0.06	0.7	0.04
35.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 8.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Mostly clear, ~50°s F
Location: HMP-002

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0755
RP start (ft): NM
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~50°s F
Location: WLD-001NW

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0915 RP start (ft): NM

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~50°s F
Location: WLD-001SE

Date: 10/2/06
Gage Reader: RRE/KHS

Start time: 0919 RP start (ft): 1.02

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

October 2006

Surface Water Quality

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 10/3/06, 10/4/06 and 10/5/06

Activities: Collected surface water samples from EBR-001, WBR-001, WBR-002, WBR-003, MBR-001, MER-001, MER-002, MER-003, WLD-001, WLD-002, WLD-003, LKL-001, LKL-002, HMP-001, HTP-001 and HTP-002.

Completed flow measurements at above locations on 10/2/06.

Collected duplicate and field blank samples.

Field Report Attachments

Field Analytical Data Summary	yes
Flow Measurement	yes
Water Sampling Log	yes
Chain of Custody Numbers	0992726, 0992728, 0992729, 0992730

Laboratory Analysis

Pace - Metals, cations, anions, general chemistry, organics

Sampler Name(s): Andy Maracini (AJM), Richard Eagle (RRE), Dan Wiitala (DWW), Kamran Syed (KHS) and Peter Sabee (PJS)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Surface Water Sample ID	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	EBRS-001	10/3/06	12	245	7.2	4
WBR-001	WBRS-001	10/3/06	8.4	74	5.9	3
WBR-002	WBRS-002	10/3/06	12	189	6.5	4
WBR-003	WBRS-003	10/3/06	10	176	6.9	4
MBR-001	MBRS-001	10/3/06	9.7	173	7.3	6
MER-001	MERS-001	10/3/06	11	136	7.3	5
MER-002	MERS-002	10/3/06	12	153	7.1	6
MER-003	MERS-003	10/3/06	12	176	7.2	7
WLD-001	WLDS-001	10/3/06	13	201	7.0	4
WLD-002	WLDS-002E	10/5/06	11	38	6.6	6
WLD-003	WLDS-003E	10/3/06	13	44	7.6	6
LKL-001	LKLS-001E	10/4/06	14	72	7.5	6
LKL-002	LKLS-002E	10/4/06	13	72	7.5	6
HMP-001	HMPS-001E	10/4/06	13	508	8.3	6
HMP-001	HMPS-001H	10/4/06	5.5	680	7.4	<1
HTP-001	HTPS-001E	10/5/06	13	214	7.9	5
HTP-002	HTPS-002E	10/3/06	14	93	9.2	6

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: EBR-001
Sample ID: EBRS-001

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1220

Odor: None
Appearance: Organics, oily sheen

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 245
Conductivity (µmhos): 183
pH (SU): 7.2
D.O. (ppm): 4

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=2.17'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Clear, ~40°s F
Location: WBR-001
Sample ID: WBRS-001

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 0815

Odor: Hydrogen sulfide
Appearance: Clear, yellow tinge

Temperature (°C): 8
Spec. Cond. (µmhos/cm @ 25°C): 74
Conductivity (µmhos): 51
pH (SU): 5.9
D.O. (ppm): 3.0

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=1.59'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Clear, ~60°s F
Location: WBR-002
Sample ID: WBRS-002

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1015

Odor: None
Appearance: Clear with organics

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 189
Conductivity (µmhos): 142
pH (SU): 6.5
D.O. (ppm): 4

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=3.06'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, 560°s F
Location: WBR-003
Sample ID: WBRS-003

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1045

Odor: None
Appearance: Oily sheen, brackish

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 176
Conductivity (µmhos): 125
pH (SU): 6.9
D.O. (ppm): 4

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=2.22'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~50°s F
Location: MBR-001
Sample ID: MBRS-001

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1120

Odor: None
Appearance: Clear

Temperature (°C): 10
Spec. Cond. (µmhos/cm @ 25°C): 173
Conductivity (µmhos): 123
pH (SU): 7.3
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=4.29'. Masked duplicate (DUPS-001) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: MER-001
Sample ID: MERS-001

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1335

Odor: None
Appearance: Clear

Temperature (°C): 11
Spec. Cond. (µmhos/cm @ 25°C): 136
Conductivity (µmhos): 99
pH (SU): 7.3
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=5.7'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: MER-002
Sample ID: MERS-002

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1410

Odor: None
Appearance: Some tannin.

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 153
Conductivity (µmhos): 123
pH (SU): 7.1
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=1.69'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: MER-003
Sample ID: MERS-003

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1430

Odor: None
Appearance: Clear, slight tannin

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 176
Conductivity (µmhos): 133
pH (SU): 7.2
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: RP=3.73'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: WLD-001
Sample ID: WLDS-001

Date: 10/3/06
Sampler(s): AJM/RRE
Sampling time: 1250

Odor: None
Appearance: Mucky, milky, cloudy

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 201
Conductivity (µmhos): 155
pH (SU): 7.0
D.O. (ppm): 4

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, calm, dry, ~50°s F
Location: WLD-002
Sample ID: WLDS-002E

Date: 10/5/06
Sampler(s): AJM/DWW
Sampling time: 1330

Odor: None
Appearance: No sediment, slightly yellow stain (tannin)

Temperature (°C): 11
Spec. Cond. (µmhos/cm @ 25°C): 38
Conductivity (µmhos): 28
pH (SU): 6.6
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sample depth=1.2'. Total depth=6'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~60°s F
Location: WLD-003
Sample ID: WLDS-003E

Date: 10/3/06
Sampler(s): DWW/KHS
Sampling time: 1440

Odor: None
Appearance: Clear

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 44
Conductivity (µmhos): 34
pH (SU): 7.6
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Total depth=4.5'. Sample depth=0.9'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Mostly cloudy, windy, ~40°s F
Location: LKL-001
Sample ID: LKLS-001E

Date: 10/4/06
Sampler(s): RRE/KHS/PJS
Sampling time: 1045

Odor: None
Appearance: Very slight tannin

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 72
Conductivity (µmhos): 56
pH (SU): 7.5
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampling depth=5'. Total depth=23'. Lake was not stratified.
Masked duplicate (DUPS-002) collected here.

Depth (ft)	Temp (C)	DO (ppm)	Other
0	13.1	NM	
3	13.6	NM	
8	13.6	NM	
13	13.4	NM	
18	13.1	NM	
22	12.5	NM	

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, windy, ~40°s F
Location: LKL-002
Sample ID: LKLS-002E

Date: 10/4/06
Sampler(s): RRE/KHS/PJS
Sampling time: 1200

Odor: None
Appearance: Very slight tannin

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 72
Conductivity (µmhos): 55
pH (SU): 7.5
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampling depth=6'. Total depth=28'. Lake was not stratified.

Depth (ft)	Temp (C)	DO (ppm)	Other
0	13.0	NM	
6	13.2	NM	
9	13.2	NM	
14	13.2	NM	
21	13.0	NM	
24	12.5	NM	

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~50°s F
Location: HMP-001
Sample ID: HMPS-001E

Date: 10/4/06
Sampler(s): RRE/KHS/PJS
Sampling time: 1525

Odor: None
Appearance: Clear

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 508
Conductivity (µmhos): 388
pH (SU): 8.3
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampling depth=15'. Total depth=186'. Pit remains stratified with boundary occurring at about 30'.

Depth (ft)	Temp (C)	DO (ppm)	Other
0	NM	6	
10	NM	NM	
20	13.0	NM	
25	12.4	NM	
30	9.9	NM	
35	8.8	6	
40	7.4	NM	
45	6.4	NM	
50	5.7	NM	
60	5.0	5	
80	4.9	NM	
100	5.1	<1	
120	5.2	NM	SpC=700
140	5.3	NM	
160	5.4	NM	SpC=760

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~40°s F
Location: HMP-001
Sample ID: HMPS-001H

Date: 10/4/06
Sampler(s): RRE/KHS/PJS
Sampling time: 1510

Odor: None
Appearance: Clear

Temperature (°C): 5.5
Spec. Cond. (µmhos/cm @ 25°C): 680
Conductivity (µmhos): 427
pH (SU): 7.4
D.O. (ppm): <1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sampling depth=110'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~50°s F
Location: HTP-001
Sample ID: HTPS-001E

Date: 10/5/06
Sampler(s): DWW/AJM
Sampling time: 1420

Odor: None
Appearance: Clear with trace sediment

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 214
Conductivity (µmhos): 166
pH (SU): 7.9
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Sample depth=0.2'. Total depth=0.8'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, light breeze, ~60°s F
Location: HTP-002
Sample ID: HTPS-002E

Date: 10/3/06
Sampler(s): DWW/KHS
Sampling time: 1305

Odor: None
Appearance: Clear

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 93
Conductivity (µmhos): 74
pH (SU): 9.2
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC
SW	1	500 ml plastic	None	Gross alpha & beta
SW	1	1 L plastic	None	TSS

Photographs: None
Remarks: Total depth=5'. Sampled depth=1'.

November 2006 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	11/1/06	NM
WBR-001	11/1/06	0.1
WBR-002	11/1/06	0.02
WBR-003	11/1/06	0.2
MBR-001	11/1/06	0.4
MER-001	11/1/06	10
MER-002	11/1/06	11
MER-003	11/1/06	13
HMP-002	11/1/06	NM
WLD-001NW	11/1/06	0.0
WLD-001SE	11/1/06	<0.1*

* Estimated.
NM Not measured.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, strong NNW wind, ~20°s F
Location: EBR-001

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 1043 RP start (ft): 2.09

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 0.8
Spec. Cond. (µmhos/cm @ 25°C): 192
Conductivity (µmhos): 99
pH (SU): 7.4
D.O. (ppm): 9

Remarks: 1/2 ice upstream side of bridge. Slight upstream flow, unmeasurable. Strong NNW wind.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~20°s F
Location: WBR-001

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0845 RP start (ft): 1.50

Finish time: 0854 RP end (ft): 1.50

Inst. read: NA

Temperature (°C): 0.3
Spec. Cond. (µmhos/cm @ 25°C): 53
Conductivity (µmhos): 27
pH (SU): 5.7
D.O. (ppm): 4

Remarks: Rating condition. No ice or leaves.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.2	0.0	0.00	0.0	0.00
0.3	0.3	0.2	-0.03	0.0	0.00
0.6	0.3	0.2	0.82	0.0	0.04
0.9	0.3	0.2	1.90	0.0	0.09
1.2	0.3	0.2	0.26	0.0	0.01
1.4	0.1	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, snow, ~20°s F
Location: WBR-002

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0912 RP start (ft): 2.98

Finish time: 0917 RP end (ft): 2.98

Inst. read: NA

Temperature (°C): 1.0
Spec. Cond. (µmhos/cm @ 25°C): 238
Conductivity (µmhos): 124
pH (SU): 7.1
D.O. (ppm): 9

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.2	0.0	0.00	0.0	0.00
0.4	0.4	0.2	-0.03	0.1	0.00
0.7	0.3	0.2	0.36	0.1	0.02
1.0	0.3	0.2	0.08	0.1	0.00
1.3	0.3	0.2	0.00	0.0	0.00
1.6	0.2	0.0	0.00	0.0	0.00

Total Flow: 0.02

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~20°s F
Location: WBR-003

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0940 RP start (ft): 2.15

Finish time: 0957 RP end (ft): 2.15

Inst. read: NA

Temperature (°C): 1.6
Spec. Cond. (µmhos/cm @ 25°C): 167
Conductivity (µmhos): 89
pH (SU): 6.6
D.O. (ppm): 9

Remarks:

Right Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.5	0.2	0.0	0.00	0.0	0.00
0.8	0.3	0.1	0.32	0.0	0.01
1.1	0.3	0.3	0.48	0.1	0.04
1.4	0.3	0.3	0.55	0.1	0.05
1.7	0.3	0.3	0.55	0.1	0.05
2.0	0.3	0.2	0.35	0.1	0.02
2.3	0.2	0.0	0.00	0.0	0.00

Flow through right culvert: 0.2

Left Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.1	0.2	0.0	0.00	0.0	0.00
1.4	0.3	0.2	0.00	0.1	0.00
1.7	0.3	0.4	0.03	0.1	0.00
2.0	0.3	0.5	0.03	0.2	0.00
2.3	0.3	0.4	0.00	0.1	0.00
2.6	0.3	0.3	0.03	0.1	0.00
2.9	0.2	0.0	0.00	0.0	0.00

Flow through left culvert: 0.01

Total flow: 0.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~20°s F
Location: MBR-001

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 1009 RP start (ft): 4.26

Finish time: 1025 RP end (ft): 4.24

Inst. read: NA

Temperature (°C): 0.5
Spec. Cond. (µmhos/cm @ 25°C): 186
Conductivity (µmhos): 95
pH (SU): 7.4
D.O. (ppm): 9

Remarks: Ratingi condition. No ice or leaves.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.5	0.0	0.00	0.0	0.00
1.0	1.0	0.3	0.03	0.3	0.01
2.0	0.7	0.4	0.04	0.3	0.01
2.4	0.4	0.4	0.04	0.2	0.01
2.8	0.4	0.4	0.05	0.2	0.01
3.2	0.4	0.4	0.06	0.2	0.01
3.6	0.4	0.4	0.08	0.2	0.01
4.0	0.4	0.4	0.09	0.2	0.01
4.4	0.4	0.4	0.12	0.2	0.02
4.8	0.4	0.5	0.11	0.2	0.02
5.2	0.4	0.5	0.14	0.2	0.03
5.6	0.4	0.5	0.15	0.2	0.03
6.0	0.4	0.5	0.15	0.2	0.03
6.4	0.4	0.6	0.13	0.2	0.03
6.8	0.4	0.5	0.14	0.2	0.03
7.2	0.4	0.5	0.13	0.2	0.03
7.6	0.4	0.6	0.11	0.2	0.03
8.0	0.4	0.6	0.09	0.2	0.02
8.4	0.4	0.6	0.10	0.2	0.02
8.8	0.3	0.5	0.10	0.2	0.02
9.0	0.1	0.5	0.09	0.0	0.00

Total Flow: 0.4

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, NW wind,~20°s F
Location: MER-001

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 1125 RP start (ft): 5.60

Finish time: 1143 RP end (ft): 5.60

Inst. read: NA

Temperature (°C): 1.4
Spec. Cond. (µmhos/cm @ 25°C): 92
Conductivity (µmhos): 49
pH (SU): 7.4
D.O. (ppm): 4

Remarks: Rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
3.0	0.5	0.0	0.00	0.0	0.00
4.0	1.0	0.2	0.29	0.2	0.06
5.0	1.0	0.4	0.46	0.4	0.18
6.0	1.0	0.5	0.59	0.5	0.30
7.0	1.0	0.6	0.62	0.6	0.37
8.0	1.0	0.8	0.76	0.8	0.61
9.0	1.0	0.8	0.74	0.8	0.59
10.0	1.0	0.8	0.74	0.8	0.59
11.0	1.0	0.8	0.72	0.8	0.58
12.0	1.0	0.8	0.74	0.8	0.59
13.0	1.0	0.8	0.80	0.8	0.64
14.0	1.0	0.8	0.78	0.8	0.62
15.0	1.0	0.8	0.78	0.8	0.62
16.0	1.0	0.8	0.79	0.8	0.63
17.0	1.0	0.7	0.80	0.7	0.56
18.0	1.0	0.7	0.84	0.7	0.59
19.0	1.0	0.6	0.87	0.6	0.52
20.0	1.0	0.6	0.91	0.6	0.55
21.0	1.0	0.6	0.90	0.6	0.54
22.0	1.0	0.5	0.88	0.5	0.44
23.0	1.0	0.4	0.99	0.4	0.40
24.0	1.5	0.3	0.16	0.5	0.07
26.0	2.0	0.2	0.37	0.4	0.15
28.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 10

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~30°s F
Location: MER-002

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 1223 RP start (ft): 1.82

Finish time: 1244 RP end (ft): 1.82

Inst. read: NA

Temperature (°C): 1.5
Spec. Cond. (µmhos/cm @ 25°C): 124
Conductivity (µmhos): 66
pH (SU): 7.3
D.O. (ppm): 4

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
30.0	1.0	0.0	0.00	0.0	0.00
28.0	2.0	0.8	0.03	1.6	0.05
26.0	2.0	1.2	0.21	2.4	0.50
24.0	1.5	1.6	0.34	2.4	0.82
23.0	1.0	1.6	0.40	1.6	0.64
22.0	1.0	1.7	0.23	1.7	0.39
21.0	1.0	1.7	0.38	1.7	0.65
20.0	1.0	1.7	0.46	1.7	0.78
19.0	1.0	1.5	0.40	1.5	0.60
18.0	1.0	1.7	0.27	1.7	0.46
17.0	1.0	1.9	0.39	1.9	0.74
16.0	1.0	1.9	0.36	1.9	0.68
15.0	1.0	2.0	0.41	2.0	0.82
14.0	1.0	1.7	0.42	1.7	0.71
13.0	1.0	1.9	0.33	1.9	0.63
12.0	1.0	1.8	0.37	1.8	0.67
11.0	1.0	1.5	0.43	1.5	0.65
10.0	1.0	1.2	0.36	1.2	0.43
9.0	1.0	1.0	0.21	1.0	0.21
8.0	1.5	0.8	0.29	1.2	0.35
6.0	2.0	0.4	0.19	0.8	0.15
4.0	2.0	0.2	0.06	0.4	0.02
2.0	2.0	0.2	0.07	0.4	0.03
0.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 11

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~30°s F
Location: MER-003

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 1300 RP start (ft): 3.64

Finish time: 1317 RP end (ft): 3.64

Inst. read: NA

Temperature (°C): 1.5
Spec. Cond. (µmhos/cm @ 25°C): 146
Conductivity (µmhos): 78
pH (SU): 7.2
D.O. (ppm): 7

Remarks: RP on RR brindge=7.99.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.0	0.0	0.00	0.0	0.00
2.0	2.0	0.2	0.13	0.4	0.05
4.0	2.0	0.3	0.56	0.6	0.34
6.0	1.5	0.5	0.79	0.8	0.59
7.0	1.0	0.5	0.89	0.5	0.45
8.0	1.0	0.6	1.21	0.6	0.73
9.0	1.0	0.7	0.98	0.7	0.69
10.0	1.0	0.7	0.84	0.7	0.59
11.0	1.0	0.8	0.86	0.8	0.69
12.0	1.0	0.8	1.05	0.8	0.84
13.0	1.0	0.8	1.11	0.8	0.89
14.0	1.0	0.7	1.13	0.7	0.79
15.0	1.0	0.7	1.03	0.7	0.72
16.0	1.0	0.7	0.77	0.7	0.54
17.0	1.0	0.8	0.74	0.8	0.59
18.0	1.0	0.6	0.88	0.6	0.53
19.0	1.0	0.6	0.93	0.6	0.56
20.0	1.0	0.5	0.90	0.5	0.45
21.0	1.5	0.5	0.58	0.8	0.44
23.0	2.0	0.5	0.75	1.0	0.75
25.0	2.0	0.5	0.63	1.0	0.63
27.0	2.0	0.5	0.67	1.0	0.67
29.0	2.0	0.4	0.38	0.8	0.30
31.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 13

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~20°s F
Location: HMP-002

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0830 RP start (ft): NM

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~20°s F
Location: WLD-001NW

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0930 RP start (ft): NM

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~20°s F
Location: WLD-001SE

Date: 11/1/06
Gage Reader: AJM/RRE

Start time: 0933 RP start (ft): 0.78

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: Flow estimated as <0.1 cfs. Complete ice cover below culverts.

December 2006 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	12/6/06	0.0
WBR-001	12/6/06	0.5
WBR-002	12/6/06	0.2
WBR-003	12/6/06	0.5
MBR-001	12/6/06	0.9
MER-001	12/6/06	14
MER-002	12/6/06	16
MER-003	12/6/06	13
HMP-002	12/6/06	NM
WLD-001NW	12/6/06	0.0
WLD-001SE	12/6/06	0.0

NM Not measured.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, north wind, ~20°s F
Location: EBR-001

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1300 RP start (ft): 2.78

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 2.4
Spec. Cond. (µmhos/cm @ 25°C): 161
Conductivity (µmhos): 92
pH (SU): 7.3
D.O. (ppm): NM

Remarks: Ice thickness 0.15'. No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, north wind, ~20°s F
Location: WBR-001

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 0910 RP start (ft): 1.20
Finish time: 1000 RP end (ft): 1.20
Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 119
Conductivity (µmhos): 60
pH (SU): 5.9
D.O. (ppm): 5

Remarks: Stream was ice covered, thickness ~0.6". Cleared ice prior to measurement.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.5	0.2	0.0	0.00	0.0	0.00
0.8	0.3	0.3	0.37	0.1	0.03
1.0	0.2	0.3	0.02	0.1	0.00
1.2	0.2	0.3	-0.15	0.1	-0.01
1.4	0.2	0.4	0.55	0.1	0.04
1.6	0.2	0.4	0.97	0.1	0.08
1.8	0.2	0.5	0.91	0.1	0.09
2.0	0.2	0.5	1.07	0.1	0.11
2.2	0.2	0.5	0.71	0.1	0.07
2.4	0.2	0.4	0.43	0.1	0.03
2.6	0.2	0.4	0.35	0.1	0.03
2.8	0.2	0.4	0.08	0.1	0.01
3.0	0.1	0.0	0.00	0.0	0.00

Total Flow: 0.5

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, windy, ~20°s F
Location: WBR-002

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1035 RP start (ft): 2.70

Finish time: 1055 RP end (ft): 2.70

Inst. read: NA

Temperature (°C): 1.4
Spec. Cond. (μmhos/cm @ 25°C): 195
Conductivity (μmhos): 103
pH (SU): 7.5
D.O. (ppm): 4

Remarks: 0% ice cover. Grass on bottom of stream.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.2	0.2	0.0	0.00	0.0	0.00
0.5	0.4	0.6	0.11	0.2	0.02
0.9	0.4	0.6	0.02	0.2	0.00
1.3	0.4	0.6	0.08	0.2	0.02
1.7	0.4	0.7	0.19	0.3	0.05
2.1	0.4	0.6	0.22	0.2	0.05
2.5	0.4	0.6	0.27	0.2	0.06
2.9	0.4	0.6	0.12	0.2	0.03
3.3	0.6	0.7	0.10	0.4	0.04
4.0	0.7	0.6	-0.02	0.4	-0.01
4.6	0.6	0.5	-0.25	0.3	-0.08
5.2	0.6	0.4	-0.01	0.2	0.00
5.8	0.6	0.4	-0.02	0.2	0.00
6.4	0.6	0.3	-0.06	0.2	-0.01
7.0	0.3	0.0	0.00	0.0	0.00

Total Flow: 0.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, windy, ~20°s F
Location: WBR-003

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1330 RP start (ft): 2.00
Finish time: 1350 RP end (ft): 2.00
Inst. read: NA

Temperature (°C): 0.2
Spec. Cond. (µmhos/cm @ 25°C): 185
Conductivity (µmhos): 93
pH (SU): 7.1
D.O. (ppm): NM

Remarks: Both sides of culvert are covered with ice.

Right Culvert Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.4	0.2	0.0	0.00	0.0	0.00
0.7	0.3	0.3	-0.04	0.1	0.00
1.0	0.3	0.3	0.19	0.1	0.02
1.3	0.3	0.5	0.34	0.2	0.05
1.6	0.3	0.6	0.29	0.2	0.05
1.9	0.3	0.6	0.32	0.2	0.06
2.2	0.3	0.6	0.31	0.2	0.06
2.5	0.3	0.4	0.18	0.1	0.02
2.8	0.2	0.4	-0.07	0.1	0.00

Flow through right culvert: 0.2

Left Culvert Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
3.5	0.2	0.6	-0.10	0.1	-0.01
3.8	0.3	0.7	0.02	0.2	0.00
4.1	0.3	0.7	0.25	0.2	0.05
4.4	0.3	0.7	0.28	0.2	0.06
4.7	0.3	0.7	0.25	0.2	0.05
5.0	0.3	0.7	0.18	0.2	0.04
5.3	0.3	0.6	0.13	0.2	0.02
5.6	0.3	0.4	0.11	0.1	0.01
5.9	0.2	0.0	0.00	0.0	0.00

Flow through left culvert: 0.2

Total flow: **0.5**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Snowy, windy, ~20°s F
Location: MBR-001

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1140 RP start (ft): 3.71
Finish time: 1234 RP end (ft): 3.91
Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 166
Conductivity (µmhos): 83
pH (SU): 7.3
D.O. (ppm): 4

Remarks: 2" of snow on top of 1" ice cover on the stream.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.5	0.5	0.0	0.00	0.0	0.00
1.5	1.0	0.8	-0.01	0.8	-0.01
2.5	0.8	0.7	0.21	0.5	0.11
3.0	0.5	0.8	0.30	0.4	0.11
3.5	0.5	0.8	0.28	0.4	0.11
4.0	0.5	0.8	0.22	0.4	0.09
4.5	0.5	0.8	0.21	0.4	0.08
5.0	0.5	0.8	0.26	0.4	0.10
5.5	0.5	0.8	0.13	0.4	0.05
6.0	0.5	0.8	0.21	0.4	0.08
6.5	0.8	0.6	0.09	0.5	0.04
7.5	1.0	0.4	0.09	0.4	0.04
8.5	1.0	0.5	0.06	0.5	0.03
9.5	1.0	0.5	0.16	0.5	0.08
10.5	1.0	0.5	0.05	0.5	0.03
11.5	0.8	0.4	-0.11	0.3	-0.03
12.0	0.3	0.0	0.00	0.0	0.00

Total Flow: 0.9

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Snowy, windy, ~20°s F
Location: MER-001

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1430 RP start (ft): NM
Finish time: 1525 RP end (ft): NM
Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): 7.4
D.O. (ppm): 4

Remarks: Ice thickness 0.2'. Ice at RP.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.5	0.0	0.00	0.0	0.00
3.0	1.0	0.3	-0.05	0.3	-0.02
4.0	1.0	0.4	-0.11	0.4	-0.04
5.0	1.0	0.6	0.11	0.6	0.07
6.0	1.0	0.7	0.82	0.7	0.57
7.0	1.0	0.8	1.03	0.8	0.82
8.0	1.0	0.8	1.15	0.8	0.92
9.0	1.0	0.8	1.09	0.8	0.87
10.0	1.0	0.9	1.00	0.9	0.90
11.0	1.0	0.9	1.13	0.9	1.02
12.0	1.0	0.9	1.20	0.9	1.08
13.0	1.0	0.8	1.32	0.8	1.06
14.0	1.0	0.8	1.31	0.8	1.05
15.0	1.0	0.7	1.31	0.7	0.92
16.0	1.0	0.7	1.33	0.7	0.93
17.0	1.0	0.7	1.31	0.7	0.92
18.0	1.0	0.7	1.08	0.7	0.76
19.0	1.0	0.6	1.07	0.6	0.64
20.0	1.0	0.6	0.87	0.6	0.52
21.0	1.0	0.6	0.90	0.6	0.54
22.0	1.0	0.5	0.89	0.5	0.45
23.0	1.0	0.4	0.25	0.4	0.10
24.0	1.5	0.3	0.37	0.5	0.17
26.0	2.0	0.3	0.01	0.6	0.01
28.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 14

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, north wind, ~20°s F
Location: MER-002

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1607 RP start (ft): 1.88
Finish time: 1645 RP end (ft): 1.88
Inst. read: NA

Temperature (°C): 0.2
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): 6.9
D.O. (ppm): 4

Remarks: Stream covered with 0.1' ice on top upstream of weir. Downstream is ice free and flowing freely.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	1.0	0.0	0.00	0.0	0.00
7.0	1.5	0.3	0.07	0.5	0.03
8.0	1.5	0.7	0.08	1.1	0.08
10.0	1.5	1.1	0.38	1.7	0.63
11.0	1.0	1.4	0.44	1.4	0.62
12.0	1.0	1.6	0.36	1.6	0.58
13.0	1.0	1.8	0.44	1.8	0.79
14.0	1.0	1.8	0.39	1.8	0.70
15.0	1.0	1.6	0.52	1.6	0.83
16.0	1.0	1.8	0.44	1.8	0.79
17.0	1.0	1.9	0.37	1.9	0.70
18.0	1.0	1.9	0.41	1.9	0.78
19.0	1.0	1.6	0.48	1.6	0.77
20.0	1.0	1.9	0.58	1.9	1.10
21.0	1.0	2.0	0.52	2.0	1.04
22.0	1.0	2.1	0.66	2.1	1.39
23.0	1.0	2.1	0.61	2.1	1.28
24.0	1.0	1.9	0.42	1.9	0.80
25.0	1.0	1.8	0.52	1.8	0.94
26.0	1.0	1.5	0.52	1.5	0.78
27.0	1.5	1.2	0.42	1.8	0.76
29.0	2.0	0.8	0.27	1.6	0.43
31.0	2.0	0.6	0.00	1.2	0.00
33.0	2.5	0.3	-0.36	0.8	-0.27
36.0	1.5	0.0	0.00	0.0	0.00

Total Flow: 16

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~20°s F
Location: MER-003

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1710 RP start (ft): 3.61

Finish time: 1740 RP end (ft): 3.61

Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): 7.2
D.O. (ppm): 4

Remarks: Ice depth ~0.1' on edges only. Cleared ice and used 60% depth for measurement.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.5	0.0	0.00	0.0	0.00
3.0	1.0	0.3	0.30	0.3	0.09
4.0	1.0	0.5	1.04	0.5	0.52
5.0	1.0	0.5	0.90	0.5	0.45
6.0	1.5	0.5	1.24	0.8	0.93
8.0	2.0	0.6	0.62	1.2	0.74
10.0	1.5	0.7	0.91	1.1	0.96
11.0	1.0	0.7	1.30	0.7	0.91
12.0	1.0	0.7	1.17	0.7	0.82
13.0	1.0	0.7	1.22	0.7	0.85
14.0	1.0	0.7	1.16	0.7	0.81
15.0	1.0	0.8	0.95	0.8	0.76
16.0	1.0	0.7	0.53	0.7	0.37
17.0	1.0	0.7	0.82	0.7	0.57
18.0	1.0	0.8	0.76	0.8	0.61
19.0	1.5	0.7	0.75	1.1	0.79
21.0	2.0	0.5	0.77	1.0	0.77
23.0	2.0	0.7	0.57	1.4	0.80
25.0	2.0	0.7	0.55	1.4	0.77
27.0	2.0	0.7	0.42	1.4	0.59
29.0	2.0	0.6	0.16	1.2	0.19
31.0	2.0	0.4	0.01	0.8	0.01
33.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 13

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, north wind, ~20°s F
Location: HMP-002

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: NM
RP start (ft): NM
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: Assumed no flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, north wind, ~20°s F
Location: WLD-001NW

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1400
RP start (ft): NM
Finish time: NM
RP end (ft): NM
Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, north wind, ~20°s F
Location: WLD-001SE

Date: 12/6/06
Gage Reader: AJM/KHS

Start time: 1400 RP start (ft): NM

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: Snow covered. No apparent flow. RP could not be located.

January 2007 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	1/4/07	0.0
WBR-001	1/5/07	0.1
WBR-002	1/4/07	0.5
WBR-003	1/4/07	0.6
MBR-001	1/5/07	2.1
MER-001	1/5/07	17
MER-002	1/5/07	18
MER-003	1/5/07	20
HMP-002	1/4/07	0.0
WLD-001NW	1/4/07	0.0
WLD-001SE	1/4/07	0.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: EBR-001

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: 1333 RP start (ft): 3.22

Finish time: _____ RP end (ft): _____

Inst. read: NA

Temperature (°C): 0.6
Spec. Cond. (μmhos/cm @ 25°C): NM
Conductivity (μmhos): NM
pH (SU): 6.3
D.O. (ppm): 6

Remarks: Complete ice cover upstream and downstream. No evidence of flow observed through the small opening made in the ice to gather field parameters. Flow considered to be 0.0 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: WBR-001

Date: 1/5/07
Gage Reader: RRE/KHS

Start time: 1040 RP start (ft): 1.47

Finish time: 1050 RP end (ft): 1.47

Inst. read: NA

Temperature (°C): 0.4
Spec. Cond. (μmhos/cm @ 25°C): 109
Conductivity (μmhos): 55
pH (SU): 4.8
D.O. (ppm): 5

Remarks: Not rating condition. Ice covered up and downstream. Removed ice prior to flow measurement.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.4	0.4	0.03	0.2	0.00
1.8	0.6	0.5	0.03	0.3	0.01
2.2	0.4	0.5	0.10	0.2	0.02
2.6	0.4	0.5	0.17	0.2	0.03
3.0	0.4	0.6	0.08	0.2	0.02
3.4	0.4	0.6	0.03	0.2	0.01
3.8	0.4	0.6	0.02	0.2	0.00
4.2	0.4	0.6	0.09	0.2	0.02
4.6	0.9	0.5	0.02	0.5	0.01
6.0	0.7	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: WBR-002

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: 1422 RP start (ft): 2.69
Finish time: 1432 RP end (ft): 2.69
Inst. read: NA

Temperature (°C): 1.9
Spec. Cond. (μmhos/cm @ 25°C): 235
Conductivity (μmhos): 126
pH (SU): 6.2
D.O. (ppm): 6

Remarks: Streambed has dead grass causing control to be in poor rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.2	0.0	0.00	0.0	0.00
1.0	0.4	0.3	0.03	0.1	0.00
1.4	0.4	0.5	0.03	0.2	0.01
1.7	0.3	0.5	0.14	0.2	0.02
2.0	0.3	0.6	0.57	0.2	0.10
2.3	0.3	0.6	0.98	0.2	0.18
2.6	0.3	0.6	0.64	0.2	0.12
2.9	0.3	0.5	0.14	0.2	0.02
3.2	0.3	0.6	0.13	0.2	0.02
3.5	0.3	0.3	0.05	0.1	0.00
3.8	0.2	0.0	0.00	0.0	0.00

Total Flow: **0.5**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Mostly cloudy, ~30° s F
Location: WBR-003

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: 1234 RP start (ft): 1.95
Finish time: 1244 RP end (ft): 1.95
Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 39
Conductivity (µmhos): 20
pH (SU): 5.6
D.O. (ppm): 5

Remarks: Smell of hydrogen sulfide apparent. Stream 100% ice covered ~14' below culvert; does not appear to be in rating condition. Measurement mad as a whole section (no left/right culverts).

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.5	0.0	0.00	0.0	0.00
1.0	0.7	0.6	0.03	0.4	0.01
1.4	0.4	0.7	0.11	0.3	0.03
1.8	0.4	0.6	0.21	0.2	0.05
2.2	0.4	0.7	0.55	0.3	0.15
2.6	0.4	0.8	0.30	0.3	0.10
3.0	0.4	0.8	0.21	0.3	0.07
3.4	0.4	0.8	0.16	0.3	0.05
3.8	0.4	0.8	0.24	0.3	0.08
4.2	0.4	0.8	0.21	0.3	0.07
4.6	0.4	0.7	0.13	0.3	0.04
5.0	0.4	0.5	0.03	0.2	0.01
5.4	0.2	0.0	0.00	0.0	0.00

Total Flow: 0.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: MBR-001

Date: 1/5/07
Gage Reader: RRE/KHS

Start time: 0945 RP start (ft): 4.02
Finish time: 1010 RP end (ft): 4.01
Inst. read: NA

Temperature (°C): 0.3
Spec. Cond. (µmhos/cm @ 25°C): 155
Conductivity (µmhos): 78
pH (SU): 6.6
D.O. (ppm): 5

Remarks: Ice backwater - poor rating control.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.5	0.0	0.00	0.0	0.00
1.0	0.8	0.3	0.27	0.2	0.06
1.6	0.6	0.4	0.29	0.2	0.07
2.2	0.6	0.5	0.09	0.3	0.03
2.8	0.6	0.6	0.19	0.4	0.07
3.4	0.6	0.6	0.03	0.4	0.01
4.0	0.6	0.6	0.03	0.4	0.01
4.6	0.6	0.6	0.09	0.4	0.03
5.2	0.6	0.6	0.38	0.4	0.14
5.8	0.6	0.7	0.16	0.4	0.07
6.4	0.6	0.7	0.41	0.4	0.17
7.0	0.6	0.8	0.55	0.5	0.26
7.6	0.6	0.8	0.61	0.5	0.29
8.2	0.6	0.7	0.49	0.4	0.21
8.8	0.6	0.8	0.48	0.5	0.23
9.4	0.6	0.8	0.63	0.5	0.30
10.0	0.6	0.7	0.38	0.4	0.16
10.6	0.7	0.5	0.03	0.4	0.01
11.4	0.9	0.3	0.00	0.3	0.00
12.4	0.5	0.0	0.00	0.0	0.00

Total Flow: 2.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: MER-001

Date: 1/5/07
Gage Reader: RRE/KHS

Start time: 1122 RP start (ft): 5.51
Finish time: 1144 RP end (ft): 5.51
Inst. read: NA

Temperature (°C): 0.4
Spec. Cond. (μmhos/cm @ 25°C): 86
Conductivity (μmhos): 44
pH (SU): 6.2
D.O. (ppm): 6

Remarks: No ice backwater.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	1.0	0.0	0.00	0.0	0.00
7.0	1.5	0.4	0.45	0.6	0.27
8.0	1.0	0.5	0.78	0.5	0.39
9.0	1.0	0.7	0.95	0.7	0.67
10.0	1.0	0.8	0.89	0.8	0.71
11.0	1.0	0.8	1.01	0.8	0.81
12.0	1.0	0.9	1.01	0.9	0.91
13.0	1.0	0.9	1.06	0.9	0.95
14.0	1.0	0.9	1.04	0.9	0.94
15.0	1.0	0.9	1.08	0.9	0.97
16.0	1.0	1.0	1.12	1.0	1.12
17.0	1.0	0.9	1.09	0.9	0.98
18.0	1.0	0.8	1.14	0.8	0.91
19.0	1.0	0.8	1.17	0.8	0.94
20.0	1.0	0.8	1.14	0.8	0.91
21.0	1.0	0.8	1.17	0.8	0.94
22.0	1.0	0.8	1.20	0.8	0.96
23.0	1.0	0.7	1.17	0.7	0.82
24.0	1.0	0.7	1.23	0.7	0.86
25.0	1.0	0.6	1.18	0.6	0.71
26.0	1.0	0.5	1.22	0.5	0.61
27.0	1.0	0.4	0.63	0.4	0.25
28.0	1.0	0.3	1.22	0.3	0.37
29.0	1.0	0.3	0.59	0.3	0.18
30.0	1.0	0.3	0.77	0.3	0.23
31.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 17

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~40° s F
Location: MER-002

Date: 1/5/07
Gage Reader: RRE/KHS

Start time: 1234 RP start (ft): 1.96

Finish time: 1305 RP end (ft): 1.96

Inst. read: NA

Temperature (°C): 0.9
Spec. Cond. (µmhos/cm @ 25°C): 105
Conductivity (µmhos): 55
pH (SU): 6.2
D.O. (ppm): 6

Remarks: Rating condition - no ice on control.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	1.0	0.0	0.00	0.0	0.00
4.0	2.0	0.4	0.03	0.8	0.02
6.0	2.0	0.9	0.13	1.8	0.23
8.0	2.0	1.0	0.26	2.0	0.52
10.0	2.0	1.0	0.61	2.0	1.22
12.0	2.0	1.0	0.56	2.0	1.12
14.0	2.0	1.0	0.69	2.0	1.38
16.0	2.0	1.0	0.72	2.0	1.44
18.0	2.0	1.0	0.76	2.0	1.52
20.0	2.0	1.0	0.62	2.0	1.24
22.0	2.0	0.9	0.57	1.8	1.03
24.0	2.0	0.7	0.49	1.4	0.69
26.0	2.0	0.6	0.68	1.2	0.82
28.0	2.0	0.5	0.47	1.0	0.47
30.0	2.0	0.4	0.83	0.8	0.66
32.0	2.0	0.3	0.87	0.6	0.52
34.0	2.0	0.5	0.79	1.0	0.79
36.0	2.0	0.5	0.62	1.0	0.62
38.0	2.0	0.7	0.66	1.4	0.92
40.0	2.0	0.7	0.48	1.4	0.67
42.0	2.0	0.9	0.48	1.8	0.86
44.0	2.0	1.0	0.60	2.0	1.20
46.0	1.5	0.8	0.03	1.2	0.04
47.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 18

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~40° s F
Location: MER-003

Date: 1/5/07
Gage Reader: RRE/KHS

Start time: 1313 RP start (ft): 3.58

Finish time: 1345 RP end (ft): 3.51

Inst. read: NA

Temperature (°C): 1.0
Spec. Cond. (µmhos/cm @ 25°C): 118
Conductivity (µmhos): 61
pH (SU): 6.3
D.O. (ppm): 5

Remarks: No backwater - good rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.0	0.0	0.00	0.0	0.00
2.0	1.5	0.3	0.63	0.5	0.28
3.0	1.0	0.5	0.74	0.5	0.37
4.0	1.0	0.5	1.27	0.5	0.64
5.0	1.0	0.6	1.14	0.6	0.68
6.0	1.0	0.6	1.26	0.6	0.76
7.0	1.0	0.6	1.15	0.6	0.69
8.0	1.0	0.7	1.19	0.7	0.83
9.0	1.0	0.8	1.07	0.8	0.86
10.0	1.0	0.8	1.11	0.8	0.89
11.0	1.0	0.9	1.12	0.9	1.01
12.0	1.3	0.9	1.02	1.1	1.15
13.5	1.5	0.9	1.02	1.4	1.38
15.0	1.5	0.9	1.14	1.4	1.54
16.5	1.5	0.9	0.86	1.4	1.16
18.0	1.5	0.9	0.97	1.4	1.31
19.5	1.5	0.8	1.00	1.2	1.20
21.0	1.5	0.8	0.72	1.2	0.86
22.5	1.5	0.7	0.72	1.1	0.76
24.0	1.5	0.8	0.62	1.2	0.74
25.5	1.5	0.8	0.60	1.2	0.72
27.0	1.5	0.7	0.74	1.1	0.78
28.5	1.5	0.6	0.59	0.9	0.53
30.0	1.5	0.6	0.35	0.9	0.32
31.5	1.5	0.4	0.22	0.6	0.13
33.0	0.8	0.0	0.00	0.0	0.00

Total Flow: 20

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: HMP-002

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: 1515 RP start (ft): NA

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): f
Spec. Cond. (μmhos/cm @ 25°C): f
Conductivity (μmhos): f
pH (SU): f
D.O. (ppm): f

Remarks: No flow - frozen solid.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: WLD-001NW

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: NA
RP start (ft): NA
Finish time: NA
RP end (ft): NA
Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No water (dry).

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30° s F
Location: WLD-001SE

Date: 1/4/07
Gage Reader: RRE/KHS

Start time: 1453 RP start (ft): 0.95

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No evidence of flow. 100% ice cover. No velocity detected with flow meter.
Flow considered to be 0.0 cfs.

Sample ID	Field ID	Sampling Date	Flow cfs	Temperatu Celcius	Specific Cc umhos/cm	Conductivi umhos	pH S.U.	Dissolved (mg/L	Turbidity NTU	ORP mV	Depth to water ft
EBR-001	EBR-001	1/4/2007	0.0	0.6	NM	NM	6.3	6	NM	NM	
WBR-001	WBR-001	1/5/2007	0.1	0.4	109	55	4.8	5	NM	NM	
WBR-002	WBR-002	1/4/2007	0.5	1.9	235	126	6.2	6	NM	NM	
WBR-003	WBR-003	1/4/2007	0.6	0.1	39	20	5.6	5	NM	NM	
MBR-001	MBR-001	1/5/2007	2.1	0.3	155	78	6.6	5	NM	NM	
MER-001	MER-001	1/5/2007	17	0.4	86	44	6.2	6	NM	NM	
MER-002	MER-002	1/5/2007	18	0.9	105	55	6.2	6	NM	NM	
MER-003	MER-003	1/5/2007	20	1.0	118	61	6.3	5	NM	NM	
HMP-002	HMP-002	1/4/2007	0.0	FROZEN	FROZEN	FROZEN	FROZEN	FROZEN	FROZEN	FROZEN	
WLD-001NW	WLD-001NW	1/4/2007	0.0	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
WLD-001SE	WLD-001SE	1/4/2007	0.0	NM	NM	NM	NM	NM	NM	NM	

February 2007

Surface Water Quality

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 2/7/07, 2/8/07, 2/12/07, 2/13/07

Activities: Collected surface water samples from EBR-001, WBR-001, WBR-002, WBR-003, MBR-001, MER-001, MER-002, MER-003, WLD-001, WLD-002, WLD-003, LKL-001, LKL-002, HMP-001 and HTP-002.

HTP-001 was frozen and therefore not sampled.

Collected masked duplicate and field blank samples.

Field Report Attachments

Field Analytical Data Summary	yes
Quality Control Summary	yes
Flow Measurement	separate report
Water Sampling Log	yes
Chain of Custody Numbers	015114, 017962, 017628, 017627

Laboratory Analysis

Pace - Metals, cations, anions, general chemistry, organics, gross alpha & beta, oil & grease

Sampler Name(s): Andy Maracini (AJM), Kamran Syed (KHS) and Richard Eagle (RRE)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Surface Water Sample ID	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	EBRS-001	2/7/07	0.0	26	7.2	6
WBR-001	WBRS-001	2/8/07	0.0	62	5.9	4
WBR-002	WBRS-002	2/7/07	0.6	259	6.7	5
WBR-003	WBRS-003	2/7/07	0.1	280	6.4	3
MBR-001	MBRS-001	2/7/07	0.2	156	6.9	5
MER-001	MERS-001	2/8/07	0.1	90	6.7	5
MER-002	MERS-002	2/8/07	0.1	21	7.0	6
MER-003	MERS-003	2/8/07	0.1	137	6.7	6
WLD-001	WLDS-001	2/7/07	2.5	291	6.3	<1
WLD-002	WLDS-002E	2/13/07	2.2	111	7.1	<1
WLD-003	WLDS-003E	2/13/07	4.9	158	7.0	3
LKL-001	LKLS-001E	2/12/07	2.6	68	7.1	9
LKL-002	LKLS-002E	2/12/07	2.6	67	6.8	10
HMP-001	HMPS-001E	2/13/07	3.1	526	7.7	8
HTP-001	HTPS-001E	No sample	f	f	f	f
HTP-002	HTPS-002E	2/12/07	1.0	124	7.2	2

f Frozen

North Jackson Company
Quality Control Sampling Summary

Project Name: Humboldt Mill

Sample ID	Sampling Date	Description
DUPS-001	2/7/07	Masked duplicate (MBRS-001)
DUPS-002	2/8/07	Masked duplicate (MERS-002)
DUPS-003	2/12/07	Masked duplicate (LKLS-001E)
DUPS-004	2/13/07	Masked duplicate (HMPS-001E)
FBKS-001	2/7/07	Field blank
FBKS-002	2/8/07	Field blank
FBKS-003	2/12/07	Field blank
FBKS-004	2/13/07	Field blank
Trip Blank 1	2/12/07	Trip blank - from PACE
Trip Blank 1	2/7/07	Trip blank - from PACE
Trip Blank 2	2/8/07	Trip blank - from PACE
Trip Blank 2	2/13/07	Trip blank - from PACE

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: EBR-001
Sample ID: EBRS-001

Date: 2/7/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1140

Odor: None
Appearance: Clear

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 26
Conductivity (µmhos): 13
pH (SU): 7.2
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: WBR-001
Sample ID: WBRS-001

Date: 2/8/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1455

Odor: None
Appearance: Clear, tea color/brown

Temperature (°C): 0.0
Spec. Cond. (μmhos/cm @ 25°C): 62
Conductivity (μmhos): 31
pH (SU): 5.9
D.O. (ppm): 4

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: WBR-002
Sample ID: WBRS-002

Date: 2/7/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1340

Odor: None
Appearance: Clear

Temperature (°C): 0.6
Spec. Cond. (µmhos/cm @ 25°C): 259
Conductivity (µmhos): 132
pH (SU): 6.7
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~5-10° F
Location: WBR-003
Sample ID: WBRS-003

Date: 2/7/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1440

Odor: None
Appearance: Clear

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 280
Conductivity (µmhos): 141
pH (SU): 6.4
D.O. (ppm): 3

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: MBR-001
Sample ID: MBRS-001

Date: 2/7/07
Sampler(s): AJM/RRE/KHS
Sampling time: 0945

Odor: None
Appearance: Clear, slight tannin

Temperature (°C): 0.2
Spec. Cond. (μmhos/cm @ 25°C): 156
Conductivity (μmhos): 79
pH (SU): 6.9
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Masked duplicate (DUPS-001) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: MER-001
Sample ID: MERS-001

Date: 2/8/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1140

Odor: None
Appearance: Clear, yellowish

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 90
Conductivity (µmhos): 45
pH (SU): 6.7
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~5-10° F
Location: MER-002
Sample ID: MERS-002

Date: 2/8/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1405

Odor: None
Appearance: Clear

Temperature (°C): 0.1
Spec. Cond. (μmhos/cm @ 25°C): 21
Conductivity (μmhos): 10
pH (SU): 7.0
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Masked duplicate (DUPS-002) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~0-5° F
Location: MER-003
Sample ID: MERS-003

Date: 2/8/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1315

Odor: None
Appearance: Clear, yellowish

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 137
Conductivity (µmhos): 69
pH (SU): 6.7
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Windy, ~5-10° F
Location: WLD-001
Sample ID: WLDS-001

Date: 2/7/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1515

Odor: None
Appearance: Clear

Temperature (°C): 2.5
Spec. Cond. (μmhos/cm @ 25°C): 291
Conductivity (μmhos): 160
pH (SU): 6.3
D.O. (ppm): <1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Snow, ~5-10° F
Location: WLD-002
Sample ID: WLDS-002E

Date: 2/13/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1425

Odor: Hydrogen sulfide
Appearance: Clear, yellowish

Temperature (°C): 2.2
Spec. Cond. (µmhos/cm @ 25°C): 111
Conductivity (µmhos): 63
pH (SU): 7.1
D.O. (ppm): <1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=3'. Sampling depth=1'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Snow, ~5-10° F
Location: WLD-003
Sample ID: WLDS-003E

Date: 2/13/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1500

Odor: None
Appearance: Clear

Temperature (°C): 4.9
Spec. Cond. (μmhos/cm @ 25°C): 158
Conductivity (μmhos): 97
pH (SU): 7.0
D.O. (ppm): 3

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=5'. Sampling depth=1'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~0-5° F
Location: LKL-001
Sample ID: LKLS-001E

Date: 2/12/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1120

Odor: None
Appearance: Clear

Temperature (°C): 2.6
Spec. Cond. (μmhos/cm @ 25°C): 68
Conductivity (μmhos): 39
pH (SU): 7.1
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Masked duplicate (DUPS-003) collected here.
Sampling depth=5'.

Depth (ft)	Temp (C)	DO (ppm)	Other
5	2.0	9	
10	2.8	NM	
15	3.3	6	
20	3.8	NM	
25	4.0	NM	

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Clear, ~0-5° F
Location: LKL-002
Sample ID: LKLS-002E

Date: 2/12/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1015

Odor: None
Appearance: Clear

Temperature (°C): 2.6
Spec. Cond. (µmhos/cm @ 25°C): 67
Conductivity (µmhos): 39
pH (SU): 6.8
D.O. (ppm): 10

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=30'. Sample depth=6'.

Depth (ft)	Temp (C)	DO (ppm)	Other
7.5	3.0	NM	
12	3.3	NM	
20	3.5	NM	
23	3.6	NM	
27	4.3	0.5	

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light snow, ~ -5° F
Location: HMP-001
Sample ID: HMPS-001E

Date: 2/13/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1250

Odor: None
Appearance: Clear

Temperature (°C): 3.1
Spec. Cond. (μmhos/cm @ 25°C): 526
Conductivity (μmhos): 305
pH (SU): 7.7
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Sampling depth=40' (20% of water column because no thermocline was detected).
Masked duplicate (DUPS-004) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light snow, ~ -5° F
Location: HMP-001
Sample ID: HMPS-001H

Date: No sample
Sampler(s): AJM/RRE/KHS
Sampling time: NA

Odor: NA
Appearance: NA

Temperature (°C): NA
Spec. Cond. (μmhos/cm @ 25°C): NA
Conductivity (μmhos): NA
pH (SU): NA
D.O. (ppm): NA

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: No sample because a thermocline was not detected so single sample was collected (HMPS-001E) at 20% of total water column.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Clear, ~5-10° F
Location: HTP-001
Sample ID: HTPS-001E

Date: No sample
Sampler(s): AJM/RRE/KHS
Sampling time: NA

Odor: NA
Appearance: NA

Temperature (°C): f
Spec. Cond. (µmhos/cm @ 25°C): f
Conductivity (µmhos): f
pH (SU): f
D.O. (ppm): f

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Frozen solid on 2/12/07. Tried 3 holes. No sample.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Clear, ~5-10° F
Location: HTP-002
Sample ID: HTPS-002E

Date: 2/12/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1245

Odor: None
Appearance: Clear

Temperature (°C): 1.0
Spec. Cond. (µmhos/cm @ 25°C): 124
Conductivity (µmhos): 67
pH (SU): 7.2
D.O. (ppm): 2

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=6'. Sampled at 2'.

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	2/7/07	0.0
WBR-001	2/8/07	<0.1
WBR-002	2/7/07	0.1
WBR-003	2/7/07	0.2
MBR-001	2/13/07	0.0
MER-001	2/14/07	5.8
MER-002	2/14/07	6.7
MER-003	2/14/07	7.4
HMP-002	2/13/07	0.0
WLD-001NW	2/7/07	0.0
WLD-001SE	2/7/07	0.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Windy, ~0-5° F
Location: EBR-001

Date: 2/7/07
Gage Reader: AJM/RRE/KHS

Start time: NA RP start (ft): NA
Finish time: NA RP end (ft): 2.47
Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (μmhos/cm @ 25°C): 26
Conductivity (μmhos): 13
pH (SU): 7.2
D.O. (ppm): 6

Remarks: No discernible flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Windy, ~0-5° F
Location: WBR-001

Date: 2/8/07
Gage Reader: AJM/RRE/KHS

Start time: NA RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (μmhos/cm @ 25°C): 62
Conductivity (μmhos): 31
pH (SU): 5.9
D.O. (ppm): 4

Remarks: No measurement possible because water depth under ice too little to measure. Assumed to be <0.1 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~5° F
Location: WBR-002

Date: 2/7/07
Gage Reader: AJM/RRE/KHS

Start time: 1333 RP start (ft): 2.70

Finish time: 1343 RP end (ft): 2.70

Inst. read: NA

Temperature (°C): 0.6
Spec. Cond. (μmhos/cm @ 25°C): 259
Conductivity (μmhos): 132
pH (SU): 6.7
D.O. (ppm): 5

Remarks: Measurement section ice free, but partially ice-covered up and downstream.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.2	0.0	0.00	0.0	0.00
1.0	0.4	0.3	0.03	0.1	0.00
1.4	0.4	0.3	0.06	0.1	0.01
1.8	0.4	0.3	0.11	0.1	0.01
2.2	0.4	0.3	0.50	0.1	0.06
2.6	0.4	0.3	0.04	0.1	0.00
3.0	0.4	0.2	0.02	0.1	0.00
3.4	0.2	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~5° F
Location: WBR-003

Date: 2/7/07
Gage Reader: AJM/RRE/KHS

Start time: 1420 RP start (ft): 2.36

Finish time: 1430 RP end (ft): 2.36

Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 280
Conductivity (µmhos): 141
pH (SU): 6.4
D.O. (ppm): 3

Remarks: Cleared stream of ice and revisited for measurement after 1 hour. Left culvert was frozen solid with no discernible flow.

Right Culvert
Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.4	0.2	0.0	0.00	0.0	0.00
0.8	0.4	0.3	0.34	0.1	0.04
1.1	0.3	0.3	1.17	0.1	0.11
1.4	0.3	0.2	0.40	0.1	0.02
1.7	0.3	0.2	0.15	0.1	0.01
2.0	0.3	0.2	0.04	0.1	0.00
2.3	0.3	0.2	-0.30	0.1	-0.02
2.6	0.2	0.0	0.00	0.0	0.00

Total flow: **0.2**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Windy, ~5-10° F
Location: MBR-001

Date: 2/13/07
Gage Reader: RRE/KHS

Start time: 1010 RP start (ft): 4.63
Finish time: 1035 RP end (ft): 4.63
Inst. read: NA

Temperature (°C): 0.3
Spec. Cond. (µmhos/cm @ 25°C): 121
Conductivity (µmhos): 61
pH (SU): 7.4
D.O. (ppm): 7

Remarks: Stream 100% ice covered.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
4.3	0.3	0.9	0.5	0.4	-0.03	0.1	0.00
4.8	0.5	0.9	0.6	0.3	-0.14	0.1	-0.02
5.2	0.5	0.9	0.6	0.3	-0.14	0.2	-0.02
5.8	0.5	0.8	0.6	0.2	-0.12	0.1	-0.01
6.1	0.5	0.8	0.6	0.2	0.06	0.1	0.00
6.7	0.6	0.8	0.6	0.2	0.04	0.1	0.00
7.3	0.6	0.7	0.6	0.1	-0.25	0.1	-0.01
7.8	0.5	0.8	0.7	0.1	-0.38	0.0	-0.02
8.2	0.6	0.7	0.6	0.1	-0.25	0.1	-0.01
9.0	0.5	0.7	0.6	0.1	-0.60	0.1	-0.03
9.2	0.4	0.7	0.6	0.1	-0.29	0.0	-0.01
9.8	0.7	0.7	0.6	0.1	-0.16	0.1	-0.01
10.5	0.6	0.6	0.5	0.1	0.50	0.1	0.03
10.9	0.5	0.6	0.5	0.1	0.86	0.0	0.04
11.4	0.5	0.6	0.5	0.1	0.69	0.1	0.03
11.9	0.3	0.6	0.6	0.0	0.71	0.0	0.00

Total Flow: **0.0**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~5° F
Location: MER-001

Date: 2/14/07
Gage Reader: RRE/KHS

Start time: 1313 RP start (ft): 5.30
Finish time: 1330 RP end (ft): 5.30
Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 93
Conductivity (µmhos): 47
pH (SU): 7.0
D.O. (ppm): 8

Remarks: Stream 100% ice covered.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	0.8	0.2	0.2	0.0	0.00	0.0	0.00
3.5	1.3	0.3	0.2	0.1	0.08	0.1	0.01
4.5	1.5	0.5	0.1	0.4	0.38	0.6	0.21
6.5	1.8	0.8	0.6	0.2	0.67	0.4	0.22
8.0	1.5	1.0	0.4	0.6	0.76	0.9	0.63
9.5	1.5	1.1	0.6	0.5	0.83	0.8	0.57
11.0	1.5	1.2	0.7	0.5	0.70	0.8	0.48
12.5	1.5	1.2	0.6	0.6	1.02	0.9	0.84
14.0	1.5	1.2	0.8	0.4	0.85	0.6	0.47
15.5	1.5	1.1	0.8	0.3	0.83	0.5	0.34
17.0	1.5	1.1	0.8	0.3	0.47	0.5	0.19
18.5	1.5	1.0	0.5	0.5	0.67	0.8	0.46
20.0	1.5	0.9	0.3	0.6	0.61	0.9	0.51
21.5	1.5	1.0	0.3	0.7	0.85	1.1	0.82
23.0	1.5	0.9	0.8	0.1	0.26	0.2	0.04
24.5	0.8	0.9	0.9	0.0	0.00	0.0	0.00

Total Flow: 5.8

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~0-5° F
Location: MER-002

Date: 2/14/07
Gage Reader: RRE/KHS

Start time: 1010 RP start (ft): NM

Finish time: 1111 RP end (ft): NM

Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 129
Conductivity (µmhos): 65
pH (SU): 7.0
D.O. (ppm): 9

Remarks: Stream 100% ice covererd. RP measurement not possible due to depth of ice layer.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.0	0.4	0.4	0.0	0.00	0.0	0.00
2.0	2.0	0.9	0.5	0.4	0.03	0.8	0.02
4.0	2.0	1.4	0.4	1.0	0.18	2.0	0.33
6.0	2.0	1.4	0.9	0.5	0.18	1.0	0.17
8.0	2.0	1.4	0.4	1.0	0.45	2.0	0.83
10.0	2.0	1.4	0.4	1.0	0.57	2.0	1.05
12.0	2.0	1.6	0.4	1.2	0.49	2.4	1.08
14.0	2.0	1.3	0.5	0.8	0.62	1.6	0.91
16.0	2.0	1.3	0.4	0.9	0.52	1.8	0.86
18.0	2.0	1.2	0.4	0.8	0.45	1.6	0.66
20.0	2.0	1.1	0.7	0.4	0.27	0.8	0.20
22.0	2.0	1.1	0.9	0.2	0.03	0.4	0.01
24.0	2.0	1.0	0.8	0.2	0.03	0.4	0.01
26.0	2.0	1.0	0.7	0.3	0.06	0.6	0.03
28.0	2.0	1.0	0.7	0.3	0.06	0.6	0.03
30.0	2.0	0.9	0.8	0.1	-0.02	0.2	0.00
32.0	2.0	1.0	0.5	0.5	0.21	1.0	0.19
34.0	2.0	1.1	0.5	0.6	0.22	1.2	0.24
36.0	2.0	0.9	0.7	0.2	0.13	0.4	0.05
38.0	2.0	1.0	0.8	0.2	0.09	0.4	0.03
40.0	2.0	1.0	0.9	0.1	0.05	0.2	0.01
42.0	1.0	0.9	0.9	0.0	0.00	0.0	0.00

Total Flow: 6.7

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~5-10° F
Location: MER-003

Date: 2/14/07
Gage Reader: RRE/KHS

Start time: 1515 RP start (ft): 3.39

Finish time: 1530 RP end (ft): 3.39

Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 80
Conductivity (µmhos): 40
pH (SU): 7.6
D.O. (ppm): 6

Remarks: Stream is 100% ice covered.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	1.0	0.6	0.6	0.0	0.00	0.0	0.00
4.0	2.0	0.7	0.6	0.1	0.00	0.2	0.00
6.0	2.0	0.9	0.5	0.4	0.51	0.8	0.38
8.0	2.0	0.9	0.6	0.3	0.69	0.6	0.38
10.0	2.0	0.9	0.7	0.2	0.75	0.4	0.28
12.0	2.0	1.0	0.9	0.1	0.52	0.2	0.10
14.0	2.0	1.0	0.9	0.1	0.56	0.2	0.10
16.0	2.0	1.0	0.6	0.4	1.24	0.8	0.91
18.0	2.0	1.1	0.8	0.3	0.90	0.6	0.50
20.0	2.0	1.3	0.6	0.7	1.19	1.4	1.53
22.0	2.0	1.2	0.6	0.6	1.06	1.2	1.17
24.0	2.0	1.2	0.7	0.5	1.08	1.0	0.99
26.0	2.0	1.1	0.8	0.3	0.56	0.6	0.31
28.0	2.0	0.0	0.0	0.0	0.00	0.0	0.00
30.0	2.3	0.0	0.0	0.0	0.00	0.0	0.00
32.5	1.5	0.7	0.1	0.6	0.61	0.9	0.51
33.0	0.6	0.7	0.1	0.6	0.76	0.4	0.27
33.8	0.4	0.6	0.1	0.5	0.05	0.2	0.01

Total Flow: 7.4

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Windy, ~-5° F
Location: HMP-002

Date: 2/13/07
Gage Reader: AJM/RRE/KHS

Start time: 1400 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): f
Spec. Cond. (µmhos/cm @ 25°C): f
Conductivity (µmhos): f
pH (SU): f
D.O. (ppm): f

Remarks: No flow, frozen solid.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~5° F
Location: WLD-001NW

Date: 2/7/07
Gage Reader: AJM/RRE/KHS

Start time: 1313 RP start (ft): NM

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow, dry.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~5° F
Location: WLD-001SE

Date: 2/7/07
Gage Reader: AJM/RRE/KHS

Start time: 1310 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow, dry.

March 2007 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	3/14/07	NM
WBR-001	3/14/07	0.1
WBR-002	3/14/07	0.5
WBR-003	3/14/07	0.9
MBR-001	3/14/07	2.4
MER-001	3/21/07	15
MER-002	3/21/07	16
MER-003	3/21/07	18
HMP-002	3/14/07	0.0
WLD-001NW	3/14/07	0.0
WLD-001SE	3/14/07	0.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, ~20°s F
Location: EBR-001

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1020 RP start (ft): 2.86

Finish time: 1035 RP end (ft): 2.86

Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 88
Conductivity (µmhos): 44
pH (SU): 7.7
D.O. (ppm): 10

Remarks: Deep muck on bottom. Flow can't be measured as wading is impossible.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, breezy, ~20°s F
Location: WBR-001

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1200 RP start (ft): 0.54

Finish time: 1222 RP end (ft): 0.55

Inst. read: NA

Temperature (°C): 0.0
Spec. Cond. (µmhos/cm @ 25°C): 74
Conductivity (µmhos): 37
pH (SU): 5.9
D.O. (ppm): 7

Remarks: 100% ice cover. Backwater conditions.

Flow Measurement

Meter units: ft/sec
Flow period: 40 sec

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.3	1.4	1.4	0.0	0.00	0.0	0.00
1.5	0.5	1.4	1.2	0.2	0.03	0.1	0.00
2.0	0.5	1.6	1.3	0.3	0.13	0.2	0.02
2.5	0.5	1.6	1.4	0.2	0.22	0.1	0.02
3.0	0.5	1.6	1.4	0.2	0.28	0.1	0.03
3.5	0.5	1.7	1.5	0.2	0.45	0.1	0.04
4.0	0.3	1.5	1.5	0.0	0.00	0.0	0.00

Total Flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30°s F
Location: WBR-002

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1400 RP start (ft): 2.80

Finish time: 1414 RP end (ft): 2.80

Inst. read: NA

Temperature (°C): 1.2
Spec. Cond. (μmhos/cm @ 25°C): 265
Conductivity (μmhos): 139
pH (SU): 6.4
D.O. (ppm): 3

Remarks: Stream snow free. Some brush on control and grass on bottom.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.2	0.0	0.00	0.0	0.00
1.4	0.4	0.5	0.03	0.2	0.01
1.8	0.4	0.6	0.56	0.2	0.13
2.2	0.4	0.6	0.71	0.2	0.17
2.6	0.4	0.6	0.47	0.2	0.11
3.0	0.4	0.6	0.13	0.2	0.03
3.4	0.4	0.6	0.09	0.2	0.02
3.8	0.2	0.0	0.00	0.0	0.00

Total Flow: 0.5

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, breezy, ~20°s F
Location: WBR-003

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1055 RP start (ft): 2.06

Finish time: 1105 RP end (ft): 2.06

Inst. read: NA

Temperature (°C): 0.1
Spec. Cond. (µmhos/cm @ 25°C): 155
Conductivity (µmhos): 78
pH (SU): 7.1
D.O. (ppm): 7

Remarks: Stream snow covered. Removed snow to make measurement. One section measured only - no right or left culvert.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.3	0.0	0.00	0.0	0.00
1.1	0.5	0.8	0.04	0.4	0.01
1.5	0.4	0.8	0.36	0.3	0.12
1.9	0.4	0.8	0.99	0.3	0.32
2.3	0.4	0.9	1.01	0.4	0.36
2.7	0.4	0.8	0.96	0.3	0.31
3.1	0.4	0.8	0.29	0.3	0.09
3.5	0.4	0.8	-0.07	0.3	-0.02
3.9	0.4	0.8	-0.14	0.3	-0.04
4.3	0.4	0.8	-0.80	0.3	-0.26
4.7	0.2	0.0	0.00	0.0	0.00

Total flow: **0.9**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, ~20°s F
Location: MBR-001

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 0940 RP start (ft): 3.19

Finish time: 1010 RP end (ft): 3.19

Inst. read: NA

Temperature (°C): 0.4
Spec. Cond. (μmhos/cm @ 25°C): 123
Conductivity (μmhos): 62
pH (SU): 7.8
D.O. (ppm): 5

Remarks: Poor rating condition; water is flowing on top of ice. Estimate 0.25 cfs flow through snow on top of ice.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Ice Thickness (ft)	Effective Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.5	1.0	1.0	0.0	0.00	0.0	0.00
2.0	1.0	2.3	1.2	1.1	0.67	1.1	0.68
3.0	1.0	2.2	1.3	0.9	0.78	0.9	0.65
4.0	1.0	2.3	1.9	0.4	0.51	0.4	0.19
5.0	1.0	2.3	2.0	0.3	0.52	0.3	0.14
6.0	1.5	2.3	2.1	0.2	0.03	0.3	0.01
8.0	2.0	2.2	1.8	0.4	0.71	0.8	0.52
10.0	2.0	1.8	1.6	0.2	0.03	0.4	0.01
12.0	1.0	0.0	0.0	0.0	0.00	0.0	0.00

Flow: 2.2

Est. Additional Flow: 0.25

Total Flow: 2.4

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, breezy, ~30° s F
Location: MER-001

Date: 3/21/07
Gage Reader: RRE/KHS

Start time: 0930 RP start (ft): 5.50

Finish time: 1010 RP end (ft): 5.50

Inst. read: NA

Temperature (°C): 0.3
Spec. Cond. (µmhos/cm @ 25°C): 75
Conductivity (µmhos): 40
pH (SU): 6.0
D.O. (ppm): 7

Remarks: Thin ice sheet just u/s of measurement section. Ice effect taken into account by using roughness coefficient of 97%.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
11.0	1.0	0.0	0.00	0.0	0.00
13.0	1.5	0.5	0.47	0.8	0.34
14.0	1.0	0.6	0.61	0.6	0.36
15.0	1.0	0.7	0.73	0.7	0.50
16.0	1.0	0.8	1.04	0.8	0.81
17.0	1.0	0.9	0.99	0.9	0.86
18.0	1.0	0.9	1.08	0.9	0.94
19.0	1.0	0.9	1.06	0.9	0.93
20.0	1.0	0.9	1.06	0.9	0.93
21.0	1.0	0.9	1.12	0.9	0.98
22.0	1.0	0.9	1.09	0.9	0.95
23.0	1.0	0.8	1.18	0.8	0.92
24.0	1.0	0.8	1.10	0.8	0.85
25.0	1.0	0.8	1.10	0.8	0.85
26.0	1.0	0.7	1.12	0.7	0.76
27.0	1.0	0.7	1.06	0.7	0.72
28.0	1.0	0.7	1.03	0.7	0.70
29.0	1.0	0.6	1.07	0.6	0.62
30.0	1.0	0.6	1.16	0.6	0.68
31.0	1.0	0.5	1.03	0.5	0.50
32.0	1.0	0.3	0.85	0.3	0.25
33.0	1.0	0.2	0.64	0.2	0.12
34.0	1.0	0.2	0.67	0.2	0.13
35.0	1.0	0.4	0.54	0.4	0.21
36.0	0.5	0.0	0.00	0.0	0.00

Total Flow: 15

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, breezy, ~30° s F
Location: MER-002

Date: 3/21/07
Gage Reader: RRE/KHS

Start time: 1040 RP start (ft): 1.90
Finish time: 1111 RP end (ft): 1.90
Inst. read: NA

Temperature (°C): 0.4
Spec. Cond. (µmhos/cm @ 25°C): 104
Conductivity (µmhos): 55
pH (SU): 5.0
D.O. (ppm): 9

Remarks: Stream snow and ice free. Weir clear, no ice backwater. Good rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	1.0	0.0	0.00	0.0	0.00
4.0	2.0	0.7	0.03	1.4	0.04
6.0	2.0	1.0	0.07	2.0	0.14
8.0	2.0	1.0	0.19	2.0	0.38
10.0	2.0	1.0	0.74	2.0	1.48
12.0	2.0	1.0	0.71	2.0	1.42
14.0	2.0	0.9	0.71	1.8	1.28
16.0	2.0	1.0	0.67	2.0	1.34
18.0	2.0	1.1	0.58	2.2	1.28
20.0	2.0	1.2	0.58	2.4	1.39
22.0	2.0	1.2	0.29	2.4	0.70
24.0	2.0	1.3	0.11	2.6	0.29
26.0	2.0	1.3	0.06	2.6	0.16
28.0	2.0	1.3	0.11	2.6	0.29
30.0	2.0	1.3	0.16	2.6	0.42
32.0	2.0	1.2	0.15	2.4	0.36
34.0	2.0	1.2	0.24	2.4	0.58
36.0	2.0	1.2	0.33	2.4	0.79
38.0	2.0	1.2	0.39	2.4	0.94
40.0	2.0	1.1	0.55	2.2	1.21
42.0	2.0	1.1	0.57	2.2	1.25
44.0	2.0	1.0	0.16	2.0	0.32
46.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 16

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, breezy, ~30° s F
Location: MER-003

Date: 3/21/07
Gage Reader: RRE/KHS

Start time: 1144 RP start (ft): 3.58
Finish time: 1218 RP end (ft): 3.60
Inst. read: NA

Temperature (°C): 0.5
Spec. Cond. (µmhos/cm @ 25°C): 120
Conductivity (µmhos): 64
pH (SU): 6.0
D.O. (ppm): 7

Remarks: Stream is snow and ice free, however, possible backwater conditions exist due to relatively flat grade downstream.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Total Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
3.0	0.5	0.0	0.00	0.0	0.00
4.0	1.0	0.8	0.03	0.8	0.02
5.0	1.0	0.8	0.09	0.8	0.07
6.0	1.0	0.9	0.39	0.9	0.35
7.0	1.0	0.9	0.68	0.9	0.61
8.0	1.0	0.9	1.01	0.9	0.91
9.0	1.0	1.0	0.93	1.0	0.93
10.0	1.0	1.0	1.07	1.0	1.07
11.0	1.0	1.0	1.09	1.0	1.09
12.0	1.0	1.0	0.96	1.0	0.96
13.0	1.0	1.0	0.96	1.0	0.96
14.0	1.0	1.0	0.90	1.0	0.90
15.0	1.0	0.9	0.99	0.9	0.89
16.0	1.0	1.0	0.98	1.0	0.98
17.0	1.0	1.0	0.81	1.0	0.81
18.0	1.0	0.9	0.93	0.9	0.84
19.0	1.0	0.9	0.83	0.9	0.75
20.0	1.0	0.8	0.84	0.8	0.67
21.0	1.0	0.8	0.76	0.8	0.61
22.0	1.0	0.8	0.68	0.8	0.54
23.0	1.0	0.8	0.66	0.8	0.53
24.0	1.0	0.7	0.68	0.7	0.48
25.0	1.0	0.7	0.57	0.7	0.40
26.0	1.0	0.7	0.64	0.7	0.45
27.0	1.0	0.7	0.71	0.7	0.50
28.0	1.0	0.7	0.62	0.7	0.43
29.0	1.0	0.6	0.50	0.6	0.30
30.0	1.5	0.6	0.43	0.9	0.39
32.0	2.0	0.5	0.30	1.0	0.30
34.0	1.0	0.0	0.00	0.0	0.00

Total Flow: 18

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, ~20°s F
Location: HMP-002

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: NA RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): f
Spec. Cond. (µmhos/cm @ 25°C): f
Conductivity (µmhos): f
pH (SU): f
D.O. (ppm): f

Remarks: No flow, frozen solid.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, ~20°s F
Location: WLD-001NW

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1130 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No flow, dry.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Overcast, ~30°s F
Location: WLD-001SE

Date: 3/14/07
Gage Reader: RRE/KHS

Start time: 1545 RP start (ft): 0.94

Finish time: 1547 RP end (ft): 0.94

Inst. read: NA

Temperature (°C): 0.6
Spec. Cond. (μmhos/cm @ 25°C): 212
Conductivity (μmhos): 109
pH (SU): 6.6
D.O. (ppm): 4

Remarks: Water only in 0.4 ft wide section. Flow=0.4 ft x 0.2 ft x 0.02 ft/s = 0.002 cfs.

April 2007 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	4/2/07	8.3
WBR-001	4/2/07	3.3
WBR-002	4/2/07	4.7
WBR-003	4/2/07	7.6
MBR-001	4/2/07	20
MER-001	4/3/07	243
MER-002	4/3/07	251
MER-003	4/3/07	218
HMP-002	4/2/07	0.0
WLD-001NW	4/2/07	0.0
WLD-001SE	4/2/07	<0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Light snow, ~30°s F
Location: EBR-001

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 0945 RP start (ft): 2.25

Finish time: 1030 RP end (ft): 2.25

Inst. read: NA

Temperature (°C): 2.0
Spec. Cond. (μmhos/cm @ 25°C): 72
Conductivity (μmhos): 41
pH (SU): 7.1
D.O. (ppm): 9

Remarks: Channel control measuring conditions are poor. Muck bottom 4.4-11.4'. No muck 13-20'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
4.4	0.5	2.2	0.17	1.1	0.19
5.4	1.0	2.2	0.16	2.2	0.35
6.4	1.0	2.4	0.16	2.4	0.38
7.4	1.0	2.5	0.18	2.5	0.45
8.4	1.0	2.5	0.19	2.5	0.48
9.4	1.0	2.5	0.20	2.5	0.50
10.4	1.0	2.5	0.21	2.5	0.53
11.4	1.3	2.6	0.18	3.4	0.61
13.0	1.3	3.0	0.27	3.9	1.05
14.0	1.0	2.6	0.25	2.6	0.65
15.0	1.0	2.7	0.24	2.7	0.65
16.0	1.0	2.7	0.26	2.7	0.70
17.0	1.0	2.7	0.23	2.7	0.62
18.0	1.0	2.4	0.26	2.4	0.62
19.0	1.0	1.5	0.25	1.5	0.38
20.0	0.5	1.8	0.14	0.9	0.13

Total flow: 8.3

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, windy, ~30°s F
Location: WBR-001

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1313 RP start (ft): 0.34
Finish time: 1335 RP end (ft): 0.34
Inst. read: NA

Temperature (°C): 2.2
Spec. Cond. (μmhos/cm @ 25°C): 49
Conductivity (μmhos): 28
pH (SU): 5.1
D.O. (ppm): 6

Remarks: Rating channel control. No flow from 5' to 10' on main stream. One overflow measurement.

Meter units: ft/sec
Flow period: 40 sec

Main Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.5	0.0	0.00	0.0	0.00
1.0	0.7	1.0	0.36	0.7	0.25
1.4	0.4	1.2	0.56	0.5	0.27
1.8	0.4	1.4	0.48	0.6	0.27
2.2	0.4	1.4	0.59	0.6	0.33
2.6	0.4	1.5	0.67	0.6	0.40
3.0	0.4	1.6	0.72	0.6	0.46
3.4	0.4	1.6	0.70	0.6	0.45
3.8	0.4	1.5	0.87	0.6	0.52
4.2	0.4	1.3	0.60	0.5	0.31
4.6	0.4	1.3	0.03	0.5	0.02
5.0	0.2	0.5	0.00	0.1	0.00

Main Flow: 3.3
Overflow: 0.3

Total Flow: **3.6**

Overflow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
10.0	1.0	0.7	0.05	0.7	0.04
12.0	2.0	0.3	0.30	0.6	0.18
14.0	2.0	0.3	0.07	0.6	0.04
16.0	2.0	0.3	0.03	0.6	0.02
18.0	2.0	0.2	0.01	0.4	0.00
20.0	1.0	0.0	0.00	0.0	0.00

Overflow: 0.3

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, windy, ~30°s F
Location: WBR-002

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1220 RP start (ft): 2.20

Finish time: 1240 RP end (ft): 2.20

Inst. read: NA

Temperature (°C): 3.1
Spec. Cond. (μmhos/cm @ 25°C): 132
Conductivity (μmhos): 76
pH (SU): 6.7
D.O. (ppm): 6

Remarks: Control rating fair - brackish water with iron smell.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.4	0.0	0.00	0.0	0.00
1.8	0.6	0.5	0.12	0.3	0.04
2.2	0.4	0.6	0.70	0.2	0.17
2.6	0.4	1.0	1.19	0.4	0.48
3.0	0.4	1.1	1.34	0.4	0.59
3.4	0.4	1.1	1.44	0.4	0.63
3.8	0.4	1.3	1.36	0.5	0.71
4.2	0.4	1.3	1.18	0.5	0.61
4.6	0.4	1.3	1.14	0.5	0.59
5.0	0.4	1.4	1.04	0.6	0.58
5.4	0.4	1.4	0.34	0.6	0.19
5.8	0.4	0.8	0.20	0.3	0.06
6.2	0.7	0.5	0.03	0.4	0.01
7.2	0.5	0.0	0.00	0.0	0.00

Total Flow: 4.7

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30°s F
Location: WBR-003

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1045 RP start (ft): 1.01

Finish time: 1105 RP end (ft): 1.01

Inst. read: NA

Temperature (°C): 1.5
Spec. Cond. (μmhos/cm @ 25°C): 115
Conductivity (μmhos): 62
pH (SU): 6.2
D.O. (ppm): 5

Remarks: Channel control rating.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.5	0.3	0.0	0.00	0.0	0.00
1.0	0.5	1.2	-0.09	0.6	-0.05
1.5	0.5	1.6	-0.09	0.8	-0.07
2.0	0.5	1.6	0.01	0.8	0.01
2.5	0.5	1.7	0.23	0.9	0.20
3.0	0.5	1.7	0.86	0.9	0.73
3.5	0.5	1.8	0.94	0.9	0.85
4.0	0.5	1.8	1.08	0.9	0.97
4.5	0.5	1.8	0.85	0.9	0.77
5.0	0.5	1.8	0.59	0.9	0.53
5.5	0.5	1.7	0.65	0.9	0.55
6.0	0.5	1.6	0.94	0.8	0.75
6.5	0.5	1.5	1.09	0.8	0.82
7.0	0.5	1.5	1.00	0.8	0.75
7.5	0.5	1.5	0.72	0.8	0.54
8.0	0.5	1.4	0.32	0.7	0.22
8.5	0.8	1.2	0.04	0.9	0.04
9.5	1.0	0.7	-0.03	0.7	-0.02
10.5	1.0	0.6	0.00	0.6	0.00
11.5	0.5	0.0	0.00	0.0	0.00

Total flow: 7.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, light snow, ~30°s F
Location: MBR-001

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 0900 RP start (ft): 3.41

Finish time: 0930 RP end (ft): 3.41

Inst. read: NA

Temperature (°C): 1.9
Spec. Cond. (μmhos/cm @ 25°C): 88
Conductivity (μmhos): 47
pH (SU): 6.8
D.O. (ppm): 7

Remarks: Control in good rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
13.0	0.3	1.4	0.03	0.4	0.01
12.5	0.5	1.4	0.21	0.7	0.15
12.0	0.5	1.5	0.40	0.8	0.30
11.5	0.5	1.5	0.70	0.8	0.53
11.0	0.5	1.5	0.90	0.8	0.68
10.5	0.5	1.4	1.00	0.7	0.70
10.0	0.5	1.4	1.57	0.7	1.10
9.5	0.5	1.6	1.48	0.8	1.18
9.0	0.5	1.6	1.65	0.8	1.32
8.5	0.5	1.7	1.25	0.9	1.06
8.0	0.5	1.8	1.47	0.9	1.32
7.5	0.5	1.8	1.47	0.9	1.32
7.0	0.5	1.9	1.65	1.0	1.57
6.5	0.5	1.8	1.97	0.9	1.77
6.0	0.5	1.8	1.73	0.9	1.56
5.5	0.5	1.8	1.72	0.9	1.55
5.0	0.5	1.8	1.53	0.9	1.38
4.5	0.5	1.7	1.14	0.9	0.97
4.0	0.8	1.6	0.60	1.2	0.72
3.0	1.0	1.2	0.29	1.2	0.35
2.0	1.0	1.0	0.15	1.0	0.15
1.0	0.5	0.9	0.10	0.5	0.05

Total flow: 20

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Rain mixed with snow, ~30°s F
Location: MER-001

Date: 4/3/07
Gage Reader: RRE/KHS/AJM

Start time: 1230 RP start (ft): 2.58

Finish time: 1345 RP end (ft): 2.58

Inst. read: NA

Temperature (°C): 0.5
Spec. Cond. (μmhos/cm @ 25°C): 34
Conductivity (μmhos): 17
pH (SU): 6.1
D.O. (ppm): 8

Remarks: Coefficient (ranging from 0.97 to 0.99) was applied to measurements made at 14.5' and between 32.5'-56.5'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	2.5	0.0	0.00		0.0	0.00
7.0	3.5	1.7	-0.16		6.0	-0.95
9.0	2.3	2.1	0.01		4.7	0.05
11.5	2.8	2.6	0.29		7.2	2.07
14.5	3.0	4.4	0.11	0.75	13.2	5.51
17.5	3.0	4.0	0.17	0.40	12.0	3.42
20.5	3.0	4.3	0.24	0.89	12.9	7.29
23.5	3.0	5.4	0.02	0.39	16.2	3.32
26.5	3.0	6.6	0.66	1.17	19.8	18.12
29.5	3.0	7.0	1.40	1.81	21.0	33.71
32.5	3.5	6.3	1.50	2.42	22.1	42.79
36.5	3.5	6.4	1.16	0.74	22.4	21.07
39.5	3.0	6.3	1.08	0.87	18.9	18.06
42.5	3.0	6.0	1.63	1.38	18.0	26.28
45.5	2.5	5.4	1.39	1.38	13.5	18.32
47.5	2.5	5.9	1.20	1.56	14.8	19.74
50.5	3.0	5.3	0.07	0.53	15.9	4.63
53.5	3.0	5.6	0.58	0.69	16.8	10.35
56.5	3.0	4.8	0.79	0.30	14.4	7.61
59.5	4.0	1.5	0.20		6.0	1.20
64.5	5.0	2.2	0.00		11.0	0.00
69.5	2.5	0.0	0.00		0.0	0.00

Total Flow: 243

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30°s F
Location: MER-002

Date: 4/3/07
Gage Reader: RRE/KHS/AJM

Start time: 0930 RP start (ft): 4.26

Finish time: 1055 RP end (ft): 4.26

Inst. read: NA

Temperature (°C): 0.7
Spec. Cond. (μmhos/cm @ 25°C): 38
Conductivity (μmhos): 20
pH (SU): 5.5
D.O. (ppm): 9

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.0	2.2	1.00		2.2	2.20
2.0	2.0	2.4	1.60		4.8	7.68
4.0	2.0	2.7	1.50	1.64	5.4	8.48
6.0	2.0	2.9	1.31	1.95	5.8	9.45
8.0	2.0	3.3	2.26	2.06	6.6	14.26
10.0	2.0	3.7	2.16	2.46	7.4	17.09
11.0	1.5	4.0	2.34	2.32	6.0	13.98
12.0	1.5	4.0	2.41	2.52	6.0	14.79
13.0	1.0	4.1	2.47	2.70	4.1	10.60
14.0	1.0	4.1	2.80	3.09	4.1	12.07
15.0	1.0	4.1	2.53	2.95	4.1	11.23
16.0	1.0	3.8	2.72	2.62	3.8	10.15
17.0	1.0	3.9	2.38	2.84	3.9	10.18
18.0	1.0	3.8	2.68	3.11	3.8	11.00
19.0	1.0	3.8	3.19	3.08	3.8	11.91
20.0	1.0	3.6	3.13	2.94	3.6	10.93
21.0	1.0	3.6	2.95	2.93	3.6	10.58
22.0	1.0	3.8	2.23	2.84	3.8	9.63
23.0	1.0	3.6	2.64	2.68	3.6	9.58
24.0	1.0	3.7	2.57	2.33	3.7	9.07
25.0	1.0	3.7	1.99	2.19	3.7	7.73
26.0	1.5	3.5	2.21	1.81	5.3	10.55
28.0	2.0	2.8	1.44	1.48	5.6	8.18
30.0	2.0	2.4	1.31		4.8	6.29
32.0	2.5	2.0	0.57		5.0	2.85
35.0	3.0	1.4	0.03		4.2	0.13
38.0	1.5	1.5	0.00		2.3	0.00

Total Flow: 251

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30°s F
Location: MER-003

Date: 4/3/07
Gage Reader: RRE/KHS/AJM

Start time: 0830 RP start (ft): 1.05

Finish time: 0900 RP end (ft): 1.05

Inst. read: NA

Temperature (°C): 0.8
Spec. Cond. (μmhos/cm @ 25°C): 42
Conductivity (μmhos): 22
pH (SU): 6.2
D.O. (ppm): 7

Remarks: RP on bridge downstream = 3.67' + 1.25' = 4.92'.
Coefficients (ranging from .70 to .97) applied to measurements between 4' and 12'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
2.0	1.0	2.5	0.00		2.5	0.00
4.0	2.0	2.7	0.28	0.44	5.4	1.36
6.0	2.0	2.9	1.50	1.01	5.8	5.10
8.0	2.0	3.0	1.74	1.81	6.0	9.59
10.0	2.0	3.2	2.43	2.20	6.4	13.85
12.0	2.0	3.3	2.41	2.28	6.6	15.01
14.0	2.0	3.4	2.50	2.78	6.8	17.95
16.0	2.0	3.5	2.45	3.03	7.0	19.18
18.0	2.0	3.5	2.34	3.04	7.0	18.83
20.0	2.0	3.5	2.85	3.06	7.0	20.69
22.0	2.0	3.5	2.38	3.04	7.0	18.97
24.0	2.0	3.4	2.21	2.84	6.8	17.17
26.0	2.0	3.3	2.26	2.63	6.6	16.14
28.0	2.0	3.3	1.61	2.20	6.6	12.57
30.0	2.0	3.3	1.20	1.60	6.6	9.24
32.0	2.0	3.2	1.37	1.04	6.4	7.71
34.0	2.0	3.1	1.08	0.74	6.2	5.64
36.0	2.0	3.0	0.96	0.64	6.0	4.80
38.0	2.0	2.5	0.75		5.0	3.75
40.0	2.0	1.8	0.10		3.6	0.36
42.0	1.0	0.0	0.00		0.0	0.00

Total Flow: 218

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, windy, ~30°s F
Location: HMP-002

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1400 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No flow - dry.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, windy, ~30°s F
Location: WLD-001NW

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1135 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No flow, some ice meltwater pooling around culvert.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~30°s F
Location: WLD-001SE

Date: 4/2/07
Gage Reader: RRE/KHS/AJM

Start time: 1125 RP start (ft): 0.99

Finish time: 1130 RP end (ft): 0.99

Inst. read: NA

Temperature (°C): 1.0
Spec. Cond. (µmhos/cm @ 25°C): 478
Conductivity (µmhos): 255
pH (SU): 6.5
D.O. (ppm): 5

Remarks: Too slow to measure with meter. Flow area is 2.2' x 0.2' at mouth of culvert. Estimate: <0.1 cfs.

Spring 2007
Surface Water Quality

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 4/2/07, 4/3/07, 5/1/07, 5/2/07

Activities: Collected surface water samples from EBR-001, WBR-001, WBR-002, WBR-003, MBR-001, MER-001, MER-002, MER-003, WLD-001SE, WLD-002, WLD-003, LKL-001, LKL-002, HMP-001 and HTP-002.

WLD-001NW was dry and couldn't be sampled.

Collected masked duplicate and field blank samples.

Field Report Attachments

Field Analytical Data Summary	yes
Quality Control Summary	yes
Flow Measurement	separate report
Water Sampling Log	yes
Chain of Custody Numbers	023464, 023465, 023466, 023467

Laboratory Analysis

Pace - Metals, cations, anions, general chemistry, organics, gross alpha & beta, oil & grease

Sampler Name(s): Andy Maracini (AJM), Kamran Syed (KHS) and Richard Eagle (RRE)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Surface Water Sample ID	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	EBRS-001	4/2/07	2.0	71	7.1	9
WBR-001	WBRS-001	4/2/07	2.2	49	5.1	6
WBR-002	WBRS-002	4/2/07	3.1	132	6.7	6
WBR-003	WBRS-003	4/2/07	1.5	115	6.2	5
MBR-001	MBRS-001	4/2/07	1.9	88	6.8	7
MER-001	MERS-001	4/3/07	0.5	34	6.1	8
MER-002	MERS-002	4/3/07	0.7	38	5.5	9
MER-003	MERS-003	4/3/07	0.8	42	6.2	7
WLD-001NW	WLDS-001NW	No Sample	d	d	d	d
WLD-001SE	WLDS-001SE	4/3/07	1.0	478	6.5	5
WLD-002	WLDS-002	5/2/07	13	36	7.0	5
WLD-003	WLDS-003	5/2/07	14	45	7.6	7
LKL-001	LKLS-001E	5/1/07	9.9	64	7.2	9
LKL-002	LKLS-002E	5/1/07	11	64	7.1	9
HMP-001	HMPS-001E	5/2/07	4.9	481	7.5	6
HTP-001	HTPS-001E	5/1/07	14	68	7.8	9
HTP-002	HTPS-002E	5/1/07	14	96	7.1	9

d Dry

North Jackson Company
Quality Control Sampling Summary

Project Name: Humboldt Mill Site

Sample ID	Sampling Date	Description
DUPS-001	4/2/07	Masked duplicate (WBRS-003)
DUPS-002	4/3/07	Masked duplicate (MERS-002)
DUPS-003	5/1/07	Masked duplicate (HTPS-002)
DUPS-004	5/2/07	Masked duplicate (WLDS-003)
FBKS-001	4/2/07	Field blank
FBKS-002	4/3/07	Field blank
FBKS-003	5/1/07	Field blank
FBKS-004	5/2/07	Field blank
Trip Blank 1	4/2/07	Trip blank - from PACE
Trip Blank 2	4/3/07	Trip blank - from PACE
Trip Blank	5/1/07	Trip blank - from PACE

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light snow, ~30°s F
Location: EBR-001
Sample ID: EBRS-001

Date: 4/2/07
Sampler(s): AJM/RRE/KHS
Sampling time: 0950

Odor: None
Appearance: Sediment, tannin, organics

Temperature (°C): 2.0
Spec. Cond. (µmhos/cm @ 25°C): 71
Conductivity (µmhos): 41
pH (SU): 7.1
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~30°s F
Location: WBR-001
Sample ID: WBRS-001

Date: 4/2/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1308

Odor: None
Appearance: Yellowish, clear

Temperature (°C): 2.2
Spec. Cond. (µmhos/cm @ 25°C): 49
Conductivity (µmhos): 28
pH (SU): 5.1
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~30°s F
Location: WBR-002
Sample ID: WBRS-002

Date: 4/2/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1225

Odor: Iron
Appearance: Cloudy, high organic

Temperature (°C): 3.1
Spec. Cond. (μmhos/cm @ 25°C): 132
Conductivity (μmhos): 76
pH (SU): 6.7
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light snow, ~30°s F
Location: WBR-003
Sample ID: WBRS-003

Date: 4/2/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1052

Odor: None
Appearance: Slight tannin

Temperature (°C): 1.5
Spec. Cond. (µmhos/cm @ 25°C): 115
Conductivity (µmhos): 62
pH (SU): 6.2
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Collected masked duplicate (DUP001).

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light snow, ~30°s F
Location: MBR-001
Sample ID: MBRS-001

Date: 4/2/07
Sampler(s): AJM/RRE/KHS
Sampling time: 0905

Odor: None
Appearance: Slight tannin

Temperature (°C): 1.9
Spec. Cond. (μmhos/cm @ 25°C): 88
Conductivity (μmhos): 47
pH (SU): 6.8
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Snow, ~30°s F
Location: MER-001
Sample ID: MERS-001

Date: 4/3/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1230

Odor: None
Appearance: Clear, yellowish

Temperature (°C): 0.5
Spec. Cond. (μmhos/cm @ 25°C): 34
Conductivity (μmhos): 17
pH (SU): 6.1
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Snow, ~30°s F
Location: MER-002
Sample ID: MERS-002

Date: 4/3/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1025

Odor: None
Appearance: Clear, yellowish

Temperature (°C): 0.7
Spec. Cond. (µmhos/cm @ 25°C): 38
Conductivity (µmhos): 20
pH (SU): 5.5
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Masked duplicate (DUPS-002) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~30°s F
Location: MER-003
Sample ID: MERS-003

Date: 4/3/07
Sampler(s): AJM/RRE/KHS
Sampling time: 0845

Odor: None
Appearance: Clear, yellow tint

Temperature (°C): 0.8
Spec. Cond. (μmhos/cm @ 25°C): 42
Conductivity (μmhos): 22
pH (SU): 6.2
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~30°s F
Location: WLD-001NW
Sample ID: WLDS-001NW

Date: No Sample
Sampler(s): AJM/RRE/KHS
Sampling time: NA

Odor: NA
Appearance: NA

Temperature (°C): d
Spec. Cond. (µmhos/cm @ 25°C): d
Conductivity (µmhos): d
pH (SU): d
D.O. (ppm): d

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	0	500 ml plastic	HNO3	Metals, hardness
SW	0	250 ml plastic	H2SO4	Ammonia, COD
SW	0	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	0	250 ml plastic	None	Nitrite, nitrate
SW	0	250 ml plastic	ZnAc, NaOH	Sulfide
SW	0	1 L amber glass	HCl	Oil & grease
SW	0	40 ml glass	HCl	BTEX
SW	0	500 ml glass	None	LL Hg
SW	0	125 ml amber glass	H2SO4	TOC
SW	0	125 ml amber glass	H2SO4	DOC (Filtered)
SW	0	500 ml plastic	HNO3	Gross alpha & beta
SW	0	1 L plastic	None	TSS
SW	0	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Dry on 4/2/07- only snowmelt.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~30°s F
Location: WLD-001SE
Sample ID: WLDS-001SE

Date: 4/3/07
Sampler(s): AJM/RRE/KHS
Sampling time: 1135

Odor: None
Appearance: Clear

Temperature (°C): 1.0
Spec. Cond. (µmhos/cm @ 25°C): 478
Conductivity (µmhos): 255
pH (SU): 6.5
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Mostly cloudy, ~50°s F
Location: WLD-002
Sample ID: WLDS-002

Date: 5/2/07
Sampler(s): AJM/KHS
Sampling time: 1415

Odor: None
Appearance: Clear

Temperature (°C): 13
Spec. Cond. (µmhos/cm @ 25°C): 36
Conductivity (µmhos): 28
pH (SU): 7.0
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=25'. Sample depth=5'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Mostly cloudy, ~50° s F
Location: WLD-003
Sample ID: WLDS-003

Date: 5/2/07
Sampler(s): AJM/KHS
Sampling time: 1240

Odor: None
Appearance: Clear

Temperature (°C): 14
Spec. Cond. (μmhos/cm @ 25°C): 45
Conductivity (μmhos): 35
pH (SU): 7.6
D.O. (ppm): 7

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Collected masked duplicate (DUPS-004).

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Light rain, clouds, ~60°s F
Location: LKL-001
Sample ID: LKLS-001E

Date: 5/1/07
Sampler(s): AJM/RRE
Sampling time: 1300

Odor: None
Appearance: Clear

Temperature (°C): 9.9
Spec. Cond. (μmhos/cm @ 25°C): 64
Conductivity (μmhos): 45
pH (SU): 7.2
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=25'. Sample depth=5'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~60°s F
Location: LKL-002
Sample ID: LKLS-002E

Date: 5/1/07
Sampler(s): AJM/RRE
Sampling time: 1240

Odor: None
Appearance: Clear

Temperature (°C): 11
Spec. Cond. (µmhos/cm @ 25°C): 64
Conductivity (µmhos): 46
pH (SU): 7.1
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=30'. Sample depth=6'.

Depth (ft)	Temp (C)	pH (SU)	Cond (µmhos)	Other
6	10.5	7.1	46.0	
10	9.9	7.5	45.2	
15	10.0	7.4	NM	
20	8.9	7.0	NM	
25	9.1	6.9	NM	

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Overcast, ~40°s F
Location: HMP-001
Sample ID: HMPS-001E

Date: 5/2/07
Sampler(s): AJM/KHS
Sampling time: 1010

Odor: None
Appearance: Clear

Temperature (°C): 4.9
Spec. Cond. (µmhos/cm @ 25°C): 481
Conductivity (µmhos): 297
pH (SU): 7.5
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	2	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Total depth=190'. Sample depth=40'.
No thermocline present. Sampled at 20% total water column.

Depth (ft)	Temp (C)
10	7.4
20	7.2
30	6.6
40	6.0
60	5.3
80	5.1
100	4.8
120	4.8
140	4.8
160	4.8
180	4.8

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~60°s F
Location: HTP-001
Sample ID: HTPS-001E

Date: 5/1/07
Sampler(s): AJM/RRE
Sampling time: 1040

Odor: NA
Appearance: NA

Temperature (°C): 14
Spec. Cond. (μmhos/cm @ 25°C): 68
Conductivity (μmhos): 53
pH (SU): 7.8
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~60°s F
Location: HTP-002
Sample ID: HTPS-002E

Date: 5/1/07
Sampler(s): AJM/RRE
Sampling time: 0910

Odor: None
Appearance: Clear

Temperature (°C): 13.7
Spec. Cond. (μmhos/cm @ 25°C): 96
Conductivity (μmhos): 75
pH (SU): 7.1
D.O. (ppm): 9

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	250 ml plastic	H2SO4	Ammonia, COD
SW	1	500 ml plastic	None	Alk, Cl, Fl, sulfate TDS, turbidity
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	1 L amber glass	HCl	Oil & grease
SW	3	40 ml glass	HCl	BTEX
SW	1	500 ml glass	None	LL Hg
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	1 L plastic	None	TSS
SW	1	250 ml plastic	HNO3	Lithium

Photographs: None
Remarks: Collected masked duplicate (DUPS-003) here.

May 2007 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	5/3/07	0.0
WBR-001	5/2/07	0.4
WBR-002	5/2/07	0.6
WBR-003	5/2/07	1.1
MBR-001	5/2/07	4.2
MER-001	5/3/07	60
MER-002	5/3/07	62
MER-003	5/3/07	66
HMP-002	5/2/07	0.0
WLD-001NW	5/2/07	<0.1
WLD-001SE	5/2/07	0.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~40°s F
Location: EBR-001

Date: 5/3/07
Gage Reader: RRE/KHS

Start time: 0820 RP start (ft): 2.91

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 8.7
Spec. Cond. (μmhos/cm @ 25°C): 79
Conductivity (μmhos): 54
pH (SU): 7.3
D.O. (ppm): 4

Remarks: No flow.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~40°s F
Location: WBR-001

Date: 5/2/07
Gage Reader: RRE

Start time: 1245 RP start (ft): 1.45

Finish time: 1255 RP end (ft): 1.45

Inst. read: NA

Temperature (°C): 7.2
Spec. Cond. (μmhos/cm @ 25°C): 443
Conductivity (μmhos): 29
pH (SU): 5.6
D.O. (ppm): 9

Remarks: Downstream end of culvert. Good rating conditions.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.7	0.15	0.00	0.00	0.00	0.00
1.0	0.30	0.20	1.12	0.06	0.07
1.3	0.30	0.20	1.22	0.06	0.07
1.6	0.30	0.20	1.20	0.06	0.07
1.9	0.30	0.20	1.37	0.06	0.08
2.2	0.30	0.15	1.10	0.05	0.05
2.5	0.30	0.15	0.24	0.05	0.01
2.8	0.15	0.00	0.00	0.00	0.00

Total flow: **0.4**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~40°s F
Location: WBR-002

Date: 5/2/07
Gage Reader: RRE

Start time: 1215 RP start (ft): 2.86

Finish time: 1230 RP end (ft): 2.86

Inst. read: NA

Temperature (°C): 13
Spec. Cond. (μmhos/cm @ 25°C): 178
Conductivity (μmhos): 137
pH (SU): 7.0
D.O. (ppm): 7

Remarks: Rating condition. Grass just starting to grow.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
3.9	0.15	0.00	0.00	0.00	0.00
3.6	0.30	0.50	0.14	0.15	0.02
3.3	0.30	0.40	0.71	0.12	0.09
3.0	0.30	0.40	0.60	0.12	0.07
2.7	0.30	0.40	0.82	0.12	0.10
2.4	0.30	0.40	1.28	0.12	0.15
2.1	0.30	0.40	0.68	0.12	0.08
1.8	0.30	0.40	0.54	0.12	0.06
1.5	0.30	0.30	0.44	0.09	0.04
1.2	0.30	0.20	0.04	0.06	0.00
0.9	0.15	0.00	0.00	0.00	0.00

Total Flow: **0.6**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~40°s F
Location: WBR-003

Date: 5/2/07
Gage Reader: RRE

Start time: 1340 RP start (ft): 1.89
Finish time: 1355 RP end (ft): 1.89
Inst. read: NA

Temperature (°C): 11
Spec. Cond. (μmhos/cm @ 25°C): 139
Conductivity (μmhos): 102
pH (SU): 6.5
D.O. (ppm): 5

Remarks: Appears to be rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.20	0.00	0.00	0.00	0.00
1.0	0.40	0.70	0.03	0.28	0.01
1.4	0.40	0.60	0.29	0.24	0.07
1.8	0.40	0.70	0.86	0.28	0.24
2.2	0.40	0.80	0.79	0.32	0.25
2.6	0.40	0.80	0.67	0.32	0.21
3.0	0.40	0.80	0.74	0.32	0.24
3.4	0.40	0.80	0.14	0.32	0.04
3.8	0.40	0.70	0.08	0.28	0.02
4.2	0.40	0.70	0.03	0.28	0.01
4.6	0.40	0.80	0.03	0.32	0.01
5.0	0.60	0.80	-0.04	0.48	-0.02
5.8	0.80	0.70	0.00	0.56	0.00
6.6	0.70	0.60	0.00	0.42	0.00
7.2	0.30	0.00	0.00	0.00	0.00

Total flow: 1.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~40°s F
Location: MBR-001

Date: 5/2/07
Gage Reader: RRE

Start time: 1415 RP start (ft): 3.90
Finish time: 1440 RP end (ft): 3.90
Inst. read: NA

Temperature (°C): 12
Spec. Cond. (μmhos/cm @ 25°C): 107
Conductivity (μmhos): 80
pH (SU): 7.0
D.O. (ppm): 6

Remarks: Control in good rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
15.0	0.50	0.00	0.00	0.00	0.00
14.0	0.75	0.30	0.03	0.23	0.01
13.5	0.50	0.40	0.18	0.20	0.04
13.0	0.50	0.50	0.33	0.25	0.08
12.5	0.50	0.70	0.30	0.35	0.11
12.0	0.50	0.80	0.34	0.40	0.14
11.5	0.50	0.80	0.42	0.40	0.17
11.0	0.50	0.90	0.43	0.45	0.19
10.5	0.50	0.90	0.48	0.45	0.22
10.0	0.50	0.90	0.52	0.45	0.23
9.5	0.50	0.90	0.52	0.45	0.23
9.0	0.50	0.90	0.48	0.45	0.22
8.5	0.50	0.90	0.58	0.45	0.26
8.0	0.50	0.90	0.65	0.45	0.29
7.5	0.50	1.00	0.70	0.50	0.35
7.0	0.50	1.00	0.65	0.50	0.33
6.5	0.50	0.90	0.61	0.45	0.27
6.0	0.50	1.00	0.42	0.50	0.21
5.5	0.50	1.00	0.38	0.50	0.19
5.0	0.50	1.00	0.56	0.50	0.28
4.5	0.50	1.00	0.56	0.50	0.28
4.0	0.25	1.00	0.43	0.25	0.11

Total flow: **4.2**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~40°s F
Location: MER-001

Date: 5/3/07
Gage Reader: RRE/KHS

Start time: 0900 RP start (ft): 4.67

Finish time: 0930 RP end (ft): 4.67

Inst. read: NA

Temperature (°C): 7.6
Spec. Cond. (μmhos/cm @ 25°C): 48
Conductivity (μmhos): 32
pH (SU): 6.9
D.O. (ppm): 6

Remarks: Rating channel control. Small island downstream drowned out.
Coefficients (ranging from .70 to .95) applied to measurements between 1' and 9'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.75	0.60	1.04	1.05	0.76
4.5	2.50	1.00	1.42	2.50	2.84
6.0	1.50	1.20	1.64	1.80	2.51
7.5	1.50	1.30	1.66	1.95	2.91
9.0	1.50	1.50	1.70	2.25	3.63
10.5	1.50	1.50	1.75	2.25	3.94
12.0	1.50	1.60	1.75	2.40	4.20
13.5	1.50	1.50	1.90	2.25	4.28
15.0	1.50	1.50	1.90	2.25	4.28
16.5	1.50	1.50	1.90	2.25	4.28
18.0	1.50	1.50	1.97	2.25	4.43
19.5	1.50	1.40	2.11	2.10	4.43
21.0	1.50	1.30	1.97	1.95	3.84
22.5	1.50	1.30	1.98	1.95	3.86
24.0	1.50	1.20	1.95	1.80	3.51
25.5	1.50	1.20	1.61	1.80	2.90
27.0	1.50	1.20	1.56	1.80	2.81
28.5	1.50	1.10	0.54	1.65	0.89
30.0	1.50	1.00	0.08	1.50	0.12
31.5	0.75	0.00	0.00	0.00	0.00

Total Flow: 60

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~50°s F
Location: MER-002

Date: 5/3/07
Gage Reader: RRE/KHS

Start time: 1000 RP start (ft): 2.50
Finish time: 1030 RP end (ft): 2.50
Inst. read: NA

Temperature (°C): 7.9
Spec. Cond. (µmhos/cm @ 25°C): 57
Conductivity (µmhos): 39
pH (SU): 6.9
D.O. (ppm): 9

Remarks: V-notch weir is 100% freefall and rating.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.50	0.00	0.00	0.00	0.00
4.0	2.50	1.20	-0.14	3.00	-0.42
6.0	2.00	1.60	-0.13	3.20	-0.42
8.0	2.00	1.90	-0.11	3.80	-0.42
10.0	2.00	1.90	0.05	3.80	0.19
12.0	2.00	1.90	0.21	3.80	0.80
14.0	2.00	1.90	0.46	3.80	1.75
16.0	2.00	1.80	0.42	3.60	1.51
18.0	2.00	1.90	0.62	3.80	2.36
20.0	2.00	1.80	0.75	3.60	2.70
22.0	2.00	1.80	0.97	3.60	3.49
24.0	1.75	1.70	1.13	2.98	3.36
25.5	1.50	1.70	1.29	2.55	3.29
27.0	1.50	1.60	1.44	2.40	3.46
28.5	1.50	1.40	1.48	2.10	3.11
30.0	1.25	1.30	1.75	1.63	2.84
31.0	1.00	1.30	1.82	1.30	2.37
32.0	1.00	1.20	1.92	1.20	2.30
33.0	1.00	1.30	1.83	1.30	2.38
34.0	1.00	1.30	1.76	1.30	2.29
35.0	1.00	1.30	1.81	1.30	2.35
36.0	1.00	1.40	1.71	1.40	2.39
37.0	1.00	1.50	1.54	1.50	2.31
38.0	1.00	1.60	1.68	1.60	2.69
39.0	1.00	1.70	1.57	1.70	2.67
40.0	1.25	1.70	1.47	2.13	3.12
41.5	1.50	1.90	1.03	2.85	2.94
43.0	1.50	1.90	1.27	2.85	3.62
44.5	1.50	2.00	1.07	3.00	3.21
46.0	1.25	1.70	0.03	2.13	0.06
47.0	0.50	1.20	-0.16	0.60	-0.10

Total Flow: 62

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~50°s F
Location: MER-003

Date: 5/3/07
Gage Reader: RRE/KHS

Start time: 1040 RP start (ft): 2.89

Finish time: 1110 RP end (ft): 2.89

Inst. read: NA

Temperature (°C): 8.2
Spec. Cond. (μmhos/cm @ 25°C): 62
Conductivity (μmhos): 42
pH (SU): 6.8
D.O. (ppm): 6

Remarks: Control - channel rating. RP on bridge downstream = 7.06'.
Coefficients (ranging from .70 to .979 applied to measurements between 2' and 5'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.00	0.00	0.00	0.00	0.00
2.0	2.00	0.80	0.87	1.60	0.97
4.0	1.50	0.90	1.42	1.35	1.86
5.0	1.00	1.00	1.63	1.00	1.61
6.0	1.00	1.10	1.84	1.10	2.02
7.0	1.00	1.20	1.96	1.20	2.35
8.0	1.00	1.30	1.93	1.30	2.51
9.0	1.00	1.30	1.93	1.30	2.51
10.0	1.00	1.40	2.00	1.40	2.80
11.0	1.00	1.50	1.93	1.50	2.90
12.0	1.00	1.50	1.92	1.50	2.88
13.0	1.00	1.60	1.87	1.60	2.99
14.0	1.00	1.60	1.82	1.60	2.91
15.0	1.00	1.60	1.97	1.60	3.15
16.0	1.00	1.60	1.86	1.60	2.98
17.0	1.00	1.50	1.70	1.50	2.55
18.0	1.00	1.50	1.65	1.50	2.48
19.0	1.00	1.50	1.46	1.50	2.19
20.0	1.00	1.50	1.51	1.50	2.27
21.0	1.00	1.50	1.48	1.50	2.22
22.0	1.00	1.50	1.40	1.50	2.10
23.0	1.00	1.50	1.35	1.50	2.03
24.0	1.00	1.40	1.50	1.40	2.10
25.0	1.00	1.50	1.65	1.50	2.48
26.0	1.00	1.40	1.44	1.40	2.02
27.0	1.00	1.40	1.26	1.40	1.76
28.0	1.50	1.40	1.08	2.10	2.27
30.0	2.00	1.30	0.79	2.60	2.05
32.0	2.00	1.20	0.56	2.40	1.34
34.0	2.00	1.10	0.55	2.20	1.21
36.0	2.00	0.60	0.46	1.20	0.55
38.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 66

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~40°s F
Location: HMP-002

Date: 5/2/07
Gage Reader: RRE

Start time: 1030 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): 8.1
Spec. Cond. (μmhos/cm @ 25°C): 492
Conductivity (μmhos): 332
pH (SU): 8.0
D.O. (ppm): 12

Remarks: Flow upstream and downstream. Seiche in pit. No flow out that can be measured.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~40°s F
Location: WLD-001NW

Date: 5/2/07
Gage Reader: RRE

Start time: 1135 RP start (ft): NM
Finish time: NA RP end (ft): NM
Inst. read: NA

Temperature (°C): 9.7
Spec. Cond. (μmhos/cm @ 25°C): 367
Conductivity (μmhos): 255
pH (SU): 6.0
D.O. (ppm): 5

Remarks: Flow width 0.6' x depth 0.04'. Using flow of 0.04 ft/s gives estimate of ~<0.001

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~40°s F
Location: WLD-001SE

Date: 5/2/07
Gage Reader: RRE

Start time: 1327 RP start (ft): 1.93

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No measurable flow.

May 2007
HTDF Water Quality

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 5/30/07 & 5/31/07

Activities: Collected surface water samples from the pit at HPL-003 & HPL-004 (at depths of 3', 15', 60', 120' & 175'), collected surface water and sediment samples at HMP-004, HMP-005, HMP-006, HMP-007 and HMP-008.

Measured water levels at HMP-004 through HMP-009 staff gauges.

Flow measurements attempted at HMP-005 and HMP-009 on 5/31/07.

The staff guage at HMP-003 was not installed due to poor conditions.

Collected masked duplicate and field blank samples.

Field Report Attachments

Field Analytical Data Summary	Yes
Quality Control Summary	Yes
Flow Measurement	2
Water Sampling Log	15
Chain of Custody Numbers	022072

Laboratory Analysis

Pace - Metals, cations, anions, general chemistry, organics, gross alpha & beta, oil & grease

Sampler Name(s): Andy Maracini (AJM) and Richard Eagle (RRE)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
HPL-003 3'	5/30/07	17	515	8.1	8
HPL-003 15'	5/30/07	14	512	8.1	8
HPL-003 60'	5/30/07	5.2	533	7.4	8
HPL-003 120'	5/30/07	5.4	695	7.1	0.1
HPL-003 175'	5/30/07	5.6	757	7.3	0.1
HPL-004 3'	5/30/07	16	515	8.0	8
HPL-004 15'	5/30/07	14	515	7.9	8
HPL-004 60'	5/30/07	5.0	529	7.4	8
HPL-004 120'	5/30/07	5.6	694	7.2	0.1
HPL-004 175'	5/30/07	5.5	760	7.3	0.1
HMP-003	No Sample	NM	NM	NM	NM
HMP-004	5/31/07	18	149	6.5	1.5
HMP-005	5/31/07	12	338	6.5	5
HMP-006	5/31/07	17	51	5.6	6
HMP-007	5/31/07	18	218	6.4	6
HMP-009	5/31/07	16	466	7.3	6

NM Not measured

North Jackson Company
Quality Control Sampling Summary

Project Name: Humboldt Mill Site

Sample ID	Sampling Date	Description
DUP-001	5/30/07	Masked duplicate (HPL-003 60')
DUP-002	5/31/07	Masked duplicate (HMP-005)
DUPD-002	5/31/07	Masked duplicate (HMPD-005)
FBK-001	5/30/07	Field blank
FBK-002	5/31/07	Field blank

North Jackson Company
Water Level Summary

Project Name: Humboldt Mill

Location	Date	Flow (cfs)
HMP-005	5/31/07	0.0
HMP-009	5/31/07	NM

NM Not measured

North Jackson Company
Water Level Summary

Project Name: Humboldt Mill

Location	Description of Measuring Point	Date	Depth to Water (ft)
HMP-004	Staff Gauge	5/31/07	0.72
HMP-005	Staff Gauge	5/31/07	1.52
HMP-006	Well Point	5/31/07	4.17
HMP-007	Staff Gauge	5/31/07	0.96
HMP-008	Staff Gauge	5/31/07	1.97
HMP-009	Staff Gauge	5/31/07	1.67

Note: Monitoring well depths measured from top of PVC (at mark, if present). Staff gauges were read directly.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-003 3'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1250

Odor: None
Appearance: Clear

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 515
Conductivity (µmhos): 434
pH (SU): 8.1
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, breezy, ~70°s F
Sample ID: HPL-003 15'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1320

Odor: None
Appearance: Clear

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 512
Conductivity (µmhos): 406
pH (SU): 8.1
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-003 60'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1340

Odor: None
Appearance: Clear

Temperature (°C): 5.2
Spec. Cond. (µmhos/cm @ 25°C): 533
Conductivity (µmhos): 331
pH (SU): 7.4
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks: Masked duplicate (DUP-001) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, thunderheads, ~70°s F
Sample ID: HPL-003 120'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1410

Odor: None
Appearance: Clear

Temperature (°C): 5.4
Spec. Cond. (µmhos/cm @ 25°C): 695
Conductivity (µmhos): 435
pH (SU): 7.1
D.O. (ppm): 0.1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, breezy, ~70°s F
Sample ID: HPL-003 175'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1425

Odor: None
Appearance: Clear

Temperature (°C): 5.6
Spec. Cond. (µmhos/cm @ 25°C): 757
Conductivity (µmhos): 470
pH (SU): 7.3
D.O. (ppm): 0.1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-004 3'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 0950

Odor: None
Appearance: Clear

Temperature (°C): 16
Spec. Cond. (µmhos/cm @ 25°C): 515
Conductivity (µmhos): 431
pH (SU): 8.0
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-004 15'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1020

Odor: None
Appearance: Clear

Temperature (°C): 14
Spec. Cond. (µmhos/cm @ 25°C): 515
Conductivity (µmhos): 408
pH (SU): 7.9
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-004 60'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1045

Odor: None
Appearance: Clear

Temperature (°C): 5.0
Spec. Cond. (µmhos/cm @ 25°C): 529
Conductivity (µmhos): 327
pH (SU): 7.4
D.O. (ppm): 8

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-004 120'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1100

Odor: None
Appearance: Clear

Temperature (°C): 5.6
Spec. Cond. (µmhos/cm @ 25°C): 694
Conductivity (µmhos): 436
pH (SU): 7.2
D.O. (ppm): 0.1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HPL-004 175'

Date: 5/30/07
Sampler(s): AJM/RRE
Sampling time: 1115

Odor: None
Appearance: Clear

Temperature (°C): 5.5
Spec. Cond. (µmhos/cm @ 25°C): 760
Conductivity (µmhos): 477
pH (SU): 7.3
D.O. (ppm): 0.1

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD

Photographs: None
Remarks: Total depth = ~194'.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather:
Sample ID: HMP-003

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: No Sample

Odor: NM
Appearance: NM

Temperature (°C): NM
Spec. Cond. (µmhos/cm @ 25°C): NM
Conductivity (µmhos): NM
pH (SU): NM
D.O. (ppm): NM

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	0	500 ml plastic	HNO3	Metals, hardness
SW	0	500 ml plastic	HNO3	Gross alpha & beta
SW	0	250 ml plastic	HNO3	Lithium
SW	0	1 L plastic	None	TSS
SW	0	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	0	250 ml plastic	None	Nitrite, nitrate
SW	0	500 ml glass	None	LL Hg
SW	0	250 ml plastic	ZnAc, NaOH	Sulfide
SW	0	250 ml plastic	NaOH	Cyanide
SW	0	125 ml amber glass	H2SO4	TOC
SW	0	125 ml amber glass	H2SO4	DOC (Filtered)
SW	0	250 ml plastic	H2SO4	Ammonia, COD
Sediment	0	4 oz amber jar	None	Metals & sulfide
Sediment	0	4 oz amber jar	None	Lithium

Photographs: None
Remarks: Not installed - verbal from J. Lynott.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HMP-004

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: 1030

Odor: Decayed organics
Appearance: High organic/sediment, cloudy brown

Temperature (°C): 18
Spec. Cond. (µmhos/cm @ 25°C): 149
Conductivity (µmhos): 130
pH (SU): 6.5
D.O. (ppm): 1.5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD
Sediment	1	4 oz amber jar	None	Metals & sulfide
Sediment	1	4 oz amber jar	None	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~80°s F
Sample ID: HMP-005

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: 1510

Odor: None
Appearance: Oily sheen on surface, cloudy, brown, high organics

Temperature (°C): 12
Spec. Cond. (µmhos/cm @ 25°C): 338
Conductivity (µmhos): 251
pH (SU): 6.5
D.O. (ppm): 5

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD
Sediment	1	4 oz amber jar	None	Metals & sulfide
Sediment	1	4 oz amber jar	None	Lithium

Photographs: None
Remarks: Collected masked duplicates (DUP-002 and DUPD-002) here. No channelized flow, several trickles and groundwater seepage points observed downstream of beaver dam but unable to measure or estimate.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HMP-006

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: 1245

Odor: Hydrogen sulfide
Appearance: Brownish decaying organic matter

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 51
Conductivity (µmhos): 44
pH (SU): 5.6
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD
Sediment	1	4 oz amber jar	None	Metals & sulfide
Sediment	1	4 oz amber jar	None	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~80°s F
Sample ID: HMP-007

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: 1415

Odor: Hydrogen sulfide
Appearance: Yellowish high organic content

Temperature (°C): 18
Spec. Cond. (µmhos/cm @ 25°C): 218
Conductivity (µmhos): 190
pH (SU): 6.4
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & bete
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD
Sediment	1	4 oz amber jar	None	Metals & sulfide
Sediment	1	4 oz amber jar	None	Lithium

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~70°s F
Sample ID: HMP-009

Date: 5/31/07
Sampler(s): AJM/RRE
Sampling time: 1115

Odor: Slightly swampy
Appearance: Clear with sediment

Temperature (°C): 16
Spec. Cond. (µmhos/cm @ 25°C): 466
Conductivity (µmhos): 389
pH (SU): 7.3
D.O. (ppm): 6

Sampling method: Grab sample

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	HNO3	Metals, hardness
SW	1	500 ml plastic	HNO3	Gross alpha & beta
SW	1	250 ml plastic	HNO3	Lithium
SW	1	1 L plastic	None	TSS
SW	1	1 L plastic	None	Alk, Cl, Fl, TDS, SO4, turbidity, ferrous Fe
SW	1	250 ml plastic	None	Nitrite, nitrate
SW	1	500 ml glass	None	LL Hg
SW	1	250 ml plastic	ZnAc, NaOH	Sulfide
SW	1	250 ml plastic	NaOH	Cyanide
SW	1	125 ml amber glass	H2SO4	TOC
SW	1	125 ml amber glass	H2SO4	DOC (Filtered)
SW	1	250 ml plastic	H2SO4	Ammonia, COD
Sediment	1	4 oz amber jar	None	Metals & sulfide
Sediment	1	4 oz amber jar	None	Lithium

Photographs: None
Remarks: No flow observed (0.0 cfs).

May 2007

HTDF Profile Logs

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Clear, breezy,~60°s F
Location: HPL-001

Date: 5/22/07
Field Crew: PJS/RRE

Start time: 1057 **Finish time:** 1530
Remarks: Actual position ~130' south of HPL-001.

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
surface	7.9	11.0	377	514	7
3	7.9	11.6	383	515	7
6	7.9	11.5	382	515	8
9	8.0	11.3	380	516	7
12	7.9	11.1	377	514	7
15	7.9	11.1	378	515	7
18	7.9	11.0	377	515	7
21	7.9	10.8	375	515	7
24	7.7	8.9	358	516	8
27	7.6	7.8	348	517	8
30	7.5	7.4	344	518	8
33	7.5	6.9	340	519	8
36	7.4	6.3	335	521	8
39	7.4	6.0	333	524	8
42	7.4	5.5	331	527	8
45	7.3	5.4	331	528	7
48	7.3	5.3	330	530	8
51	7.3	5.2	331	531	8
54	7.3	5.0	330	533	8
57	7.3	5.0	330	533	8
60	7.2	4.9	330	535	8
63	7.3	4.8	330	536	7
66	7.3	4.9	331	537	7
69	7.3	4.9	331	538	7
72	7.2	4.9	333	540	7
75	7.2	4.9	334	541	7
78	7.2	5.0	337	545	7
81	7.2	4.9	337	547	7
84	7.2	4.9	342	555	6
87	7.1	4.9	345	559	6
90	7.2	4.9	349	565	5
93	7.1	5.0	354	573	5
96	7.1	5.0	360	584	5
99	7.1	5.1	386	624	2

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
102	7.1	5.2	398	638	2
105	7.1	5.2	405	652	2
108	7.1	5.2	412	662	1
111	7.1	5.2	416	668	1
114	7.1	5.2	414	665	1
117	7.1	5.2	421	675	0.8
120	7.1	5.3	423	678	0.8
123	7.1	5.3	434	690	0.5
126	7.1	5.3	443	711	0.2
129	7.2	5.3	441	706	0.4
132	7.2	5.3	443	711	0.3
135	7.2	5.3	448	718	0.3
138	7.2	5.3	449	721	0.2
141	7.2	5.3	457	731	NM
144	7.3	5.4	460	736	0.1
147	7.3	5.4	463	740	0.1
150	7.3	5.4	466	746	0.1
153	7.3	5.4	467	748	0.1
156	7.3	5.4	468	749	0.1
159	7.3	5.4	470	752	0.2
162	NM	NM	NM	NM	NM
165	NM	NM	NM	NM	NM
168	7.3	5.4	471	754	0.1
171	NM	NM	NM	NM	NM
174	*Tailings*				

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, ~60°s F
Location: HPL-002

Date: 5/25//07
Field Crew: KHS/AJM

Start time: 1415 **Finish time:** 1620
Remarks: Total depth=181'; actual position 30' SW of HPL-002.

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
surface	7.8	13.4	402	516	8
3	7.8	14.0	406	515	8
6	7.8	13.8	404	514	8
9	7.8	13.2	399	516	8
12	7.8	13.1	396	515	8
15	7.9	13.0	396	513	8
18	7.8	12.9	395	515	8
21	7.8	12.4	393	517	8
24	7.7	11.6	383	516	8
27	7.7	10.5	373	517	8
30	7.7	8.0	350	518	8
33	7.5	6.9	340	519	8
36	7.4	6.5	336	520	8
39	7.4	6.7	341	523	8
42	7.3	5.7	332	526	8
45					
48					
51	7.3	5.3	330	528	8
54					
57					
60	7.2	5.0	330	533	8
63					
66					
69	7.2	4.9	332	539	8
72					
75					
78	7.1	4.8	335	545	8
81					
84					
87	7.1	5.0	346	554	8
90					
93					
96	7.0	5.3	358	579	4
99					

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
102					
105	7.0	5.1	395	638	1
108					
111					
114	6.9	5.3	422	677	0.9
117					
120					
123	6.9	5.3	435	698	0.2
126					
129					
132	7.0	5.3	444	711	0.1
135					
138					
141	7.1	5.4	457	732	0.1
144					
147					
150	7.2	5.7	473	748	0.1
153					
156					
159	7.2	5.4	473	757	0.1
162					
165					
168	7.2	5.4	474	758	0.1
171					
174					
177					
181	*Total depth 181' by depth finder.*				

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Clear, breezy,~60°s F
Location: HPL-003

Date: 5/23/07
Field Crew: PJS/RRE

Start time: 1214 **Finish time:** 1417
Remarks: Total depth=191'; actual position ~60' west of HPL-003.

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
surface	8.1	11.9	386	515	8
3	8.0	12.6	393	515	8
6	8.1	12.7	393	515	8
9	8.1	12.5	391	515	8
12	8.0	12.3	390	515	8
15	8.0	12.3	390	515	8
18	8.0	12.3	390	515	8
21	7.9	11.8	385	515	8
24	7.8	9.0	357	516	8
27	7.6	7.8	347	517	8
30	7.6	7.5	345	518	8
33	7.6	6.7	339	520	8
36	7.5	6.3	332	518	7
39	7.5	5.7	329	521	7
42	7.4	5.4	327	523	7
45					
48					
51	7.4	5.1	327	527	7
54					
57					
60	7.4	5.0	327	529	7
63					
66					
69	7.4	4.9	328	532	7
72					
75					
78	7.4	4.9	332	539	7
81					
84					
87	7.3	4.9	342	556	6
90					
93					
96	7.2	5.0	366	592	4
99					

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
102					
105	7.2	5.1	403	648	2
108					
111					
114	7.2	5.3	423	678	1
117					
120					
123	7.2	5.3	433	694	0.5
126					
129					
132	7.2	5.3	443	711	0.3
135					
138					
141	7.3	5.3	459	735	0.3
144					
147					
150	7.3	5.4	472	752	0.2
153					
156					
159	7.4	5.4	472	755	0.2
162					
165					
168	7.4	5.4	475	759	0.2
171					
174					
177	7.4	5.4	475	760	0.2
180					
183					
186	*Tailings*				
189					
191	*Pit bottom by depth finder 60' W*				

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, windy, ~60°s F
Location: HPL-004

Date: 5/24/07
Field Crew: RRE/AJM

Start time: 1250 **Finish time:** 1510
Remarks: Total depth=194'; actual position 20' SE of HPL-004.

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
surface	8.1	12.8	395	515	8
3	8.4	13.5	401	514	8
6	8.1	13.5	403	517	8
9	8.1	13.3	398	513	8
12	8.1	13.2	398	513	7
15	8.1	13.3	400	513	7
18	8.1	13.2	398	514	7
21	8.1	12.9	395	514	7
24	8.0	11.0	376	514	7
27	7.8	9.6	364	515	7
30	7.7	8.1	348	516	7
33	7.5	7.0	342	521	7
36	7.6	6.6	338	521	7
39	7.5	5.9	337	530	7
42	7.5	5.6	333	528	7
45					
48					
51	7.5	5.2	331	533	7
54					
57					
60	7.4	5.0	331	535	7
63					
66					
69	7.5	5.1	334	539	7
72					
75					
78	7.4	5.0	336	545	7
81					
84					
87	7.4	5.0	348	562	7
90					
93					
96	7.2	5.1	369	594	3
99					

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
102					
105	7.2	5.2	399	639	1
108					
111					
114	7.2	5.4	426	679	0.4
117					
120					
123	7.2	5.5	433	692	0.2
126					
129					
132	7.2	5.3	441	705	0.1
135					
138					
141	7.2	5.7	461	729	0.1
144					
147					
150	7.3	5.4	458	731	0.1
153					
156					
159	7.4	5.4	467	745	0.2
162					
165					
168	7.40	5.5	468	747	0.1
171					
174					
177	7.43	5.4	468	750	0.1
180					
183					
186	7.43	5.4	469	749	0.1

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Clear, breezy,~60°s F
Location: HPL-005

Date: 5/23/07
Field Crew: PJS/RRE

Start time: 0914 **Finish time:** 1417
Remarks: Actual position ~125' to 200' W-SW of HPL-005.

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
surface	7.9	11.7	384	514	7
3	7.9	12.4	389	514	7
6	7.9	12.3	390	515	8
9	8.0	12.3	389	513	8
12	7.9	12.3	389	514	8
15	8.0	12.3	382	515	8
18	7.9	12.2	388	516	8
21	7.9	12.2	388	516	8
24	7.9	12.2	389	513	8
27	7.7	10.4	371	510	8
30	7.6	8.0	349	518	8
33	7.5	6.5	339	524	7
36	7.4	6.4	334	524	7
39	7.4	5.7	332	527	7
42	7.3	5.5	331	525	7
45	7.3	5.3	327	528	7
48					
51					
54	7.3	5.0	330	535	7
57					
60					
63	7.3	4.8	340	535	7
66					
69					
72	7.3	4.9	332	540	7
75					
78					
81	7.2	4.9	338	546	7
84					
87					
90	7.2	4.9	345	560	6
93					
96					
99	7.1	5.0	370	597	4

Depth (feet)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
102					
105					
108	7.1	5.2	411	661	1
111					
114					
117	7.1	5.2	429	687	0.4
120					
123					
126	7.2	5.3	439	703	0.2
129					
132					
135	7.2	5.3	448	716	0.2
138					
141					
144	7.2	5.4	463	740	0.2
147					
150					
153	7.3	5.4	469	747	0.2
156					
159					
162	*Tailings*				
165					
168					
171					
174					
177					
180	*Pit bottom by depth finder 200' SW*				
183					
186					
188	*Pit bottom by depth finder 125' W*				

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Sunny, windy, ~60°s F
Location: HPL-006

Date: 5/24/07
Field Crew: RRE/AJM

Start time: 0915 **Finish time:** 1200
Remarks: Total depth=194'; actual position 57' NW of HPL-004.

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
surface	8.0	12.6	393	514	8
3	8.0	13.1	396	504	8
6	7.9	13.2	406	520	8
9	7.9	13.1	400	522	8
12	7.9	13.0	399	517	8
15	7.9	13.0	400	519	8
18	7.9	13.0	393	512	8
21	7.8	11.4	387	522	8
24	7.7	10.4	370	513	8
27	7.5	8.9	354	512	8
30	7.5	7.4	343	516	8
33	7.5	7.0	346	526	7
36	7.4	6.6	337	520	7
39	7.5	6.3	335	521	7
42	7.5	5.8	332	523	7
45					
48					
51	7.3	5.1	328	529	7
54					
57					
60	7.3	5.0	333	532	7
63					
66					
69	7.3	4.8	328	534	7
72					
75					
78	7.3	4.7	339	541	7
81					
84					
87	7.2	4.8	343	560	7
90					
93					
96	7.2	5.0	358	580	6
99					

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
102					
105	7.1	5.2	398	642	1
108					
111					
114	7.1	5.2	408	674	0.4
117					
120					
123	7.2	5.3	440	699	0.2
126					
129					
132	7.2	5.3	446	715	0.1
135					
138					
141	7.2	5.4	459	728	0.1
144					
147					
150	7.3	5.4	470	751	0.1
153					
156					
159	7.3	5.4	472	754	0.1
162					
165					
168	7.35	5.4	473	760	0.1
171					
174					
177	7.36	5.4	469	771	0.1
180					
183					
186	7.36	5.3	471	753	0.1

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: Clear, breezy, ~60°s F
Location: HPL-007

Date: 5/23/07
Field Crew: PJS/RRE

Start time: 1443 **Finish time:** 1620
Remarks: Total depth=169'; actual position 95' north of HPL-007.

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
surface	8.0	12.0	387	514	7
3	8.1	12.7	394	514	7
6	8.1	12.6	394	516	7
9	8.0	12.6	393	515	7
12	8.0	12.6	393	515	7
15	8.0	12.5	392	515	7
18	8.0	12.5	393	515	7
21	8.0	12.1	390	515	7
24	7.8	9.4	362	517	7
27	7.8	7.9	348	517	7
30	7.7	7.6	346	517	7
33	7.6	6.7	338	520	7
36	7.6	6.0	333	523	7
39	7.5	5.8	332	526	7
42	7.5	5.4	329	527	7
45					
48					
51	7.5	5.1	329	530	7
54					
57					
60	7.4	5.0	330	534	7
63					
66					
69	7.4	4.9	331	538	7
72					
75					
78	7.4	4.9	334	542	7
81					
84					
87	7.3	4.9	340	552	6
90					
93					
96	7.3	4.9	360	583	4
99					

Depth (feet)	pH (SU)	Temp (°C)	Cond (μmhos)	Sp Cond (μmhos/cm @ 25°C	DO (ppm)
102					
105	7.2	5.1	405	651	1
108					
111					
114	7.2	5.3	427	684	0.2
117					
120					
123	7.2	5.4	434	695	0.2
126					
129					
132	7.3	5.3	445	712	0.2
135					
138					
141	7.3	5.5	461	733	0.2
144					
147					
150	7.3	5.4	469	749	0.1
153					
156					
159	7.4	5.4	474	757	0.1
162					
165					
169	*Pit bottom by depth finder 95' N*				

June 2007 Flow

North Jackson Company
Flow Measurement Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)
EBR-001	6/1/07	<0.1
WBR-001	6/1/07	0.1
WBR-002	6/1/07	0.3
WBR-003	6/1/07	0.6
MBR-001	6/1/07	2.1
MER-001	6/1/07	25
MER-002	6/1/07	25
MER-003	6/1/07	27
WLD-001NW	6/1/07	<0.1
WLD-001SE	6/1/07	0.0

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: EBR-001

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1313 RP start (ft): 1.59

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 18
Spec. Cond. (μmhos/cm @ 25°C): 108
Conductivity (μmhos): 94
pH (SU): 6.5
D.O. (ppm): 3

Remarks: Suspect beaver backwater. Surface flow influenced/caused by wind. Undectable velocity/flow. Estimated at <0.1 cfs.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WBR-001

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1155 RP start (ft): 1.53

Finish time: 1203 RP end (ft): NM

Inst. read: NA

Temperature (°C): 17
Spec. Cond. (μmhos/cm @ 25°C): 34
Conductivity (μmhos): 28
pH (SU): 5.9
D.O. (ppm): 6

Remarks: Algae on rocks - control has gravel on downstream end.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.2	0.20	0.00	0.00	0.00	0.00
0.6	0.30	0.20	0.03	0.06	0.00
0.8	0.20	0.20	0.18	0.04	0.01
1.0	0.20	0.20	0.96	0.04	0.04
1.2	0.20	0.20	1.10	0.04	0.04
1.4	0.20	0.20	0.41	0.04	0.02
1.6	0.20	0.20	0.48	0.04	0.02
1.8	0.10	0.20	0.13	0.02	0.00

Total flow: 0.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~80°s F
Location: WBR-002

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1407 RP start (ft): 2.91

Finish time: 1412 RP end (ft): 2.91

Inst. read: NA

Temperature (°C): 26
Spec. Cond. (μmhos/cm @ 25°C): 170
Conductivity (μmhos): 174
pH (SU): 7.0
D.O. (ppm): 6

Remarks:

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.4	0.15	0.00	0.00	0.00	0.00
0.7	0.30	0.40	0.76	0.12	0.09
1.0	0.30	0.40	0.59	0.12	0.07
1.3	0.30	0.40	0.60	0.12	0.07
1.6	0.30	0.30	0.45	0.09	0.04
1.9	0.30	0.30	0.32	0.09	0.03
2.2	0.15	0.30	0.09	0.05	0.00

Total Flow: 0.3

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WBR-003

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1330 RP start (ft): 2.18
Finish time: 1345 RP end (ft): 2.18
Inst. read: NA

Temperature (°C): 22
Spec. Cond. (μmhos/cm @ 25°C): 170
Conductivity (μmhos): 161
pH (SU): 6.5
D.O. (ppm): 5

Remarks: Appears to be rating condition.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
6.8	0.40	0.40	0.00	0.16	0.00
6.0	0.60	0.40	0.18	0.24	0.04
5.6	0.40	0.50	0.45	0.20	0.09
5.2	0.40	0.50	0.66	0.20	0.13
4.8	0.40	0.50	0.52	0.20	0.10
4.4	0.40	0.50	0.07	0.20	0.01
4.0	0.40	0.50	-0.03	0.20	-0.01
3.6	0.40	0.50	0.20	0.20	0.04
3.2	0.40	0.50	0.31	0.20	0.06
2.8	0.40	0.50	0.22	0.20	0.04
2.4	0.40	0.50	0.11	0.20	0.02
2.0	0.40	0.50	0.16	0.20	0.03
1.6	0.40	0.40	0.10	0.16	0.02
1.2	0.20	0.40	0.00	0.08	0.00

Total flow: **0.6**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MBR-001

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1238 RP start (ft): 4.04

Finish time: 1300 RP end (ft): 4.04

Inst. read: NA

Temperature (°C): 20
Spec. Cond. (μmhos/cm @ 25°C): 123
Conductivity (μmhos): 112
pH (SU): 7.1
D.O. (ppm): 6

Remarks: Contol consists of large boulders. No backwater conditions observed. Grass starting to grow on channel bottom.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.50	0.00	0.00	0.00	0.00
2.0	0.70	0.30	0.21	0.21	0.04
2.4	0.40	0.60	0.23	0.24	0.06
2.8	0.40	0.70	0.21	0.28	0.06
3.2	0.40	0.70	0.22	0.28	0.06
3.6	0.40	0.70	0.22	0.28	0.06
4.0	0.40	0.70	0.21	0.28	0.06
4.4	0.40	0.80	0.25	0.32	0.08
4.8	0.40	0.70	0.28	0.28	0.08
5.2	0.40	0.70	0.28	0.28	0.08
5.6	0.40	0.70	0.27	0.28	0.08
6.0	0.40	0.70	0.30	0.28	0.08
6.4	0.40	0.70	0.34	0.28	0.10
6.8	0.40	0.80	0.37	0.32	0.12
7.2	0.40	0.80	0.48	0.32	0.15
7.6	0.40	0.80	0.53	0.32	0.17
8.0	0.40	0.80	0.49	0.32	0.16
8.4	0.40	0.80	0.40	0.32	0.13
8.8	0.40	0.90	0.23	0.36	0.08
9.2	0.40	0.90	0.33	0.36	0.12
9.6	0.40	0.90	0.39	0.36	0.14
10.0	0.40	1.00	0.23	0.40	0.09
10.4	0.30	0.90	0.33	0.27	0.09
10.6	0.10	0.90	0.38	0.09	0.03

Total flow: 2.1

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-001

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1105 RP start (ft): 5.37

Finish time: 1125 RP end (ft): 5.36

Inst. read: NA

Temperature (°C): 18
Spec. Cond. (μmhos/cm @ 25°C): 80
Conductivity (μmhos): 69
pH (SU): 7.0
D.O. (ppm): 6

Remarks: Rating conditions. Gravel island control water breaking over grass in stream. No backwater observed.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.00	0.00	0.00	0.00	0.00
3.0	1.75	0.30	0.03	0.53	0.02
4.5	1.50	0.50	0.48	0.75	0.36
6.0	1.50	0.80	1.16	1.20	1.39
7.5	1.50	0.90	1.17	1.35	1.58
9.0	1.50	1.00	1.28	1.50	1.92
10.5	1.50	1.00	1.36	1.50	2.04
12.0	1.50	0.90	1.44	1.35	1.94
13.5	1.50	0.90	1.49	1.35	2.01
15.0	1.50	0.90	1.57	1.35	2.12
16.5	1.50	0.90	1.62	1.35	2.19
18.0	1.50	0.80	1.64	1.20	1.97
19.5	1.50	0.70	1.67	1.05	1.75
21.0	1.50	0.70	1.65	1.05	1.73
22.5	1.50	0.50	1.80	0.75	1.35
24.0	1.50	0.50	1.14	0.75	0.86
25.5	1.50	0.50	0.86	0.75	0.65
27.0	1.50	0.40	1.09	0.60	0.65
28.5	1.50	0.40	1.09	0.60	0.65
30.0	0.75	0.00	0.00	0.00	0.00

Total Flow: 25

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-002

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1112 RP start (ft): 2.06

Finish time: 1040 RP end (ft): 2.06

Inst. read: NA

Temperature (°C): 17
Spec. Cond. (μmhos/cm @ 25°C): 95
Conductivity (μmhos): 80
pH (SU): 6.8
D.O. (ppm): 6

Remarks: V-notch weir is 100% freefall and rating.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.00	0.00	0.00	0.00	0.00
3.0	2.00	0.50	0.26	1.00	0.26
5.0	1.75	1.00	0.37	1.75	0.65
6.5	1.50	1.20	0.60	1.80	1.08
8.0	1.50	1.20	0.55	1.80	0.99
9.5	1.50	1.20	0.51	1.80	0.92
11.0	1.75	1.10	0.62	1.93	1.19
13.0	1.75	1.10	0.73	1.93	1.41
14.5	1.50	1.20	0.73	1.80	1.31
16.0	1.50	1.20	0.72	1.80	1.30
17.5	1.50	1.20	0.74	1.80	1.33
19.0	1.50	1.20	0.71	1.80	1.28
20.5	1.50	1.10	0.67	1.65	1.11
22.0	1.75	1.00	0.70	1.75	1.23
24.0	2.00	0.90	0.65	1.80	1.17
26.0	2.00	0.70	0.68	1.40	0.95
28.0	2.00	0.60	0.75	1.20	0.90
30.0	2.00	0.50	0.84	1.00	0.84
32.0	2.00	0.50	0.78	1.00	0.78
34.0	2.00	0.60	0.75	1.20	0.90
36.0	2.00	0.70	0.69	1.40	0.97
38.0	2.00	0.80	0.72	1.60	1.15
40.0	2.00	1.00	0.58	2.00	1.16
42.0	2.00	1.20	0.52	2.40	1.25
44.0	2.00	1.30	0.22	2.60	0.57
46.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 25

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-003

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 0943 RP start (ft): 3.43

Finish time: 1005 RP end (ft): 3.43

Inst. read: NA

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 101
Conductivity (µmhos): 85
pH (SU): 6.3
D.O. (ppm): 6

Remarks: Control restriction outside RP. Grass starting to grow but not causing backwater rating condition.
RR bridge RP = 6.62.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.00	0.00	0.00	0.00	0.00
2.0	2.00	0.40	0.67	0.80	0.38
4.0	1.75	0.50	1.33	0.88	1.13
5.5	1.50	0.60	1.23	0.90	1.10
7.0	1.50	0.70	1.30	1.05	1.37
8.5	1.50	0.80	1.44	1.20	1.73
10.0	1.50	0.90	1.08	1.35	1.46
11.5	1.50	0.90	1.31	1.35	1.77
13.0	1.50	1.00	1.40	1.50	2.10
14.5	1.50	1.00	1.37	1.50	2.06
16.0	1.50	1.00	1.38	1.50	2.07
17.5	1.50	1.00	1.17	1.50	1.76
19.0	1.50	1.00	1.09	1.50	1.64
20.5	1.50	0.90	1.08	1.35	1.46
22.0	1.50	1.00	0.91	1.50	1.37
23.5	1.50	0.90	0.67	1.35	0.90
25.0	1.50	0.90	0.70	1.35	0.95
26.5	1.50	0.90	0.65	1.35	0.88
28.0	1.50	0.80	0.89	1.20	1.07
29.5	1.50	0.70	0.80	1.05	0.84
31.0	1.75	0.60	0.58	1.05	0.61
33.0	2.00	0.50	0.37	1.00	0.37
35.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 27

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~80°s F
Location: WLD-001NW

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1355 RP start (ft): 1.69

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: Flow width 0.6' x depth 0.05'. Flow not measurable. Using flow of 0.04 ft/s gives estimate of ~<0.002

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WLD-001SE

Date: 6/1/07
Gage Reader: AJM/RRE

Start time: 1350 RP start (ft): 1.04

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: Upstream culvert plugged with mud. No observable flow (0.0 cfs).

July 2007 Flow

North Jackson Company

Flow Measurement and Field Parameter Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)	Temp (°C)	Spec Cond (mmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	7/5/07	0.0	19	180	6.9	4
WBR-001	7/5/07	0.06	16	107	5.8	6
WBR-002	7/5/07	0.005	21	207	6.8	4
WBR-003	7/5/07	0.04	17	186	6.9	5
MBR-001	7/5/07	0.2	17	189	7.0	7
MER-001	7/5/07	6.2	19	121	7.3	7
MER-002	7/5/07	7.7	19	153	7.2	7
MER-003	7/5/07	7.9	20	163	7.3	8
HMP-002	7/5/07	0.0	NM	NM	NM	NM
WLD-001NW	7/5/07	0.0	d	d	d	d
WLD-001SE	7/5/07	0.0	19	207	7.1	3

d Dry
NM Not measured

North Jackson Company
Water Level Summary

Project Name: Humboldt Mill

Location	Description of Measuring Point	Measurement Date	Depth to Water (ft)
HMP-004	Staff Gauge	7/5/07	Dry
HMP-005	Staff Gauge	7/5/07	1.59
HMP-006	Monitoring Well	7/5/07	6.0
HMP-007	Staff Gauge	7/5/07	Dry
HMP-008	Staff Gauge	7/5/07	1.82
HMP-009	Staff Gauge	7/5/07	1.57
HMS-001	Staff Gauge	7/5/07	1.18
HMS-002	Staff Gauge	7/5/07	Dry
HMS-003	Staff Gauge	7/5/07	1.22
HMS-004	Staff Gauge	7/5/07	1.26
HMS-005	Staff Gauge	7/5/07	0.99
HMS-006	Staff Gauge	7/5/07	0.86
HMS-007	Staff Gauge	7/5/07	3.18

Note: Monitoring well depth was measured from top of PVC (at mark, if present). Staff gauges were read directly.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~60°s F
Location: EBR-001

Date: 7/5/07
Gage Reader: RRE

Start time: 0949 RP start (ft): 1.59

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 19
Spec. Cond. (μmhos/cm @ 25°C): 180
Conductivity (μmhos): 158
pH (SU): 6.9
D.O. (ppm): 4

Remarks: No flow detected.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: WBR-001

Date: 7/5/07
Gage Reader: AJM/RRE

Start time: 1128 RP start (ft): 1.57

Finish time: 1135 RP end (ft): 1.57

Inst. read: NA

Temperature (°C): 16
Spec. Cond. (μmhos/cm @ 25°C): 107
Conductivity (μmhos): 90
pH (SU): 5.8
D.O. (ppm): 6

Remarks: Stones in culvert but not causing backwater conditions.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.4	0.15	0.20	0.03	0.03	0.00
0.7	0.30	0.15	0.38	0.05	0.02
1.0	0.30	0.15	0.79	0.05	0.04
1.3	0.30	0.15	0.13	0.05	0.01
1.6	0.15	0.00	-0.03	0.00	0.00

Total flow: 0.06

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: WBR-002

Date: 7/5/07
Gage Reader: RRE

Start time: 1100 RP start (ft): 3.09

Finish time: 1110 RP end (ft): 3.09

Inst. read: NA

Temperature (°C): 21
Spec. Cond. (μmhos/cm @ 25°C): 207
Conductivity (μmhos): 191
pH (SU): 6.8
D.O. (ppm): 4

Remarks: Control is good and no evidence of backwater conditions.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.8	0.15	0.00	0.00	0.00	0.000
1.1	0.30	0.15	0.03	0.05	0.001
1.4	0.30	0.15	0.06	0.05	0.003
1.7	0.30	0.15	0.03	0.05	0.001
2.0	0.15	0.00	0.00	0.00	0.000

Total Flow: **0.005**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~60°s F
Location: WBR-003

Date: 7/5/07
Gage Reader: RRE

Start time: 1010 RP start (ft): 2.45

Finish time: 1015 RP end (ft): 2.45

Inst. read: NA

Temperature (°C): 17
Spec. Cond. (μmhos/cm @ 25°C): 186
Conductivity (μmhos): 158
pH (SU): 6.9
D.O. (ppm): 5

Remarks: Appears to be rating condition. Free fall out end of culvert, no backwater condtions observed.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.15	0.00	0.00	0.00	0.00
0.9	0.30	0.15	0.36	0.05	0.02
1.2	0.30	0.15	0.29	0.05	0.01
1.5	0.30	0.15	0.18	0.05	0.01
1.8	0.25	0.15	0.03	0.04	0.00
2.0	0.10	0.00	0.00	0.00	0.00

Total flow: **0.04**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Cloudy, ~60°s F
Location: MBR-001

Date: 7/5/07
Gage Reader: RRE

Start time: 0918 RP start (ft): 4.02

Finish time: 0926 RP end (ft): 4.02

Inst. read: NA

Temperature (°C): 17
Spec. Cond. (µmhos/cm @ 25°C): 189
Conductivity (µmhos): 159
pH (SU): 7.0
D.O. (ppm): 7

Remarks: Control consists of stone and boulder ~10' downstream of bridge. Grass growing on streambed estimated to be causing <2% backwater conditions (stage may be measuring ~0.08' higher than it would be without grass).

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.15	0.00	0.00	0.00	0.00
1.3	0.30	0.15	0.03	0.05	0.00
1.6	0.30	0.50	0.02	0.15	0.00
1.9	0.30	0.40	0.15	0.12	0.02
2.2	0.30	0.30	0.25	0.09	0.02
2.5	0.30	0.30	0.70	0.09	0.06
2.8	0.30	0.30	0.50	0.09	0.05
3.1	0.30	0.15	0.32	0.05	0.01
3.4	0.15	0.00	0.00	0.00	0.00

Total flow: 0.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: MER-001

Date: 7/5/07
Gage Reader: AJM/RRE

Start time: 1230 RP start (ft): 5.70

Finish time: 1255 RP end (ft): 5.70

Inst. read: NA

Temperature (°C): 19
Spec. Cond. (μmhos/cm @ 25°C): 121
Conductivity (μmhos): 108
pH (SU): 7.3
D.O. (ppm): 7

Remarks: Grass is present but it is not affecting the control.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
8.0	0.50	0.00	0.00	0.00	0.00
9.0	1.00	0.20	0.11	0.20	0.02
10.0	1.00	0.30	0.33	0.30	0.10
11.0	1.00	0.50	0.54	0.50	0.27
12.0	1.00	0.60	0.46	0.60	0.28
13.0	1.00	0.60	0.63	0.60	0.38
14.0	1.00	0.70	0.35	0.70	0.25
15.0	1.00	0.70	0.67	0.70	0.47
16.0	1.00	0.70	0.62	0.70	0.43
17.0	1.00	0.70	0.62	0.70	0.43
18.0	1.00	0.70	0.57	0.70	0.40
19.0	1.00	0.70	0.60	0.70	0.42
20.0	1.00	0.70	0.58	0.70	0.41
21.0	1.00	0.70	0.70	0.70	0.49
22.0	1.00	0.60	0.60	0.60	0.36
23.0	1.00	0.50	0.57	0.50	0.29
24.0	1.00	0.50	0.54	0.50	0.27
25.0	1.00	0.50	0.56	0.50	0.28
26.0	1.00	0.50	0.57	0.50	0.29
27.0	1.00	0.40	0.48	0.40	0.19
28.0	1.50	0.30	0.46	0.45	0.21
30.0	2.00	0.20	0.03	0.40	0.01
32.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 6.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: MER-002

Date: 7/5/07
Gage Reader: AJM/RRE

Start time: 1315 RP start (ft): 1.69

Finish time: 1355 RP end (ft): 1.69

Inst. read: NA

Temperature (°C): 19
Spec. Cond. (μmhos/cm @ 25°C): 153
Conductivity (μmhos): 137
pH (SU): 7.2
D.O. (ppm): 7

Remarks: Tag alders on weir causing backwater conditions. Removed after measurement. Moderate grass growing on channel bottom but it does not appear to be contributing to backwater conditions.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Angle Coefficient	Area (ft^2)	Flow (cfs)
2.0	1.00	0.00	0.00		0.00	0.00
4.0	2.00	0.60	0.40		1.20	0.48
6.0	2.00	0.70	0.38		1.40	0.53
8.0	2.00	0.60	0.25	0.99	1.20	0.30
10.0	2.00	0.60	0.15	0.98	1.20	0.18
12.0	2.00	0.70	0.46	0.98	1.40	0.63
14.0	2.00	0.60	0.57	0.98	1.20	0.67
16.0	2.00	0.60	0.61	0.97	1.20	0.71
18.0	2.00	0.50	0.57	0.98	1.00	0.56
20.0	2.00	0.50	0.45		1.00	0.45
22.0	2.00	0.40	0.35		0.80	0.28
24.0	2.00	0.30	0.26	0.94	0.60	0.15
26.0	2.00	0.30	0.30	0.90	0.60	0.16
28.0	2.00	0.30	0.25	0.90	0.60	0.14
30.0	2.00	0.30	0.33	0.85	0.60	0.17
32.0	2.00	0.30	0.38	0.85	0.60	0.19
34.0	2.00	0.40	0.42	0.80	0.80	0.27
36.0	2.00	0.50	0.57	0.80	1.00	0.46
38.0	2.00	0.60	0.37	0.90	1.20	0.40
40.0	2.00	0.90	0.39	0.97	1.80	0.68
42.0	2.00	0.90	0.18		1.80	0.32
44.0	1.50	0.60	0.02		0.90	0.02
45.0	0.50	0.00	0.00		0.00	0.00

Total Flow: 7.7

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: MER-003

Date: 7/5/07
Gage Reader: AJM/RRE

Start time: 1415 RP start (ft): 3.83

Finish time: 1440 RP end (ft): 3.84

Inst. read: NA

Temperature (°C): 20
Spec. Cond. (μmhos/cm @ 25°C): 163
Conductivity (μmhos): 148
pH (SU): 7.3
D.O. (ppm): 8

Remarks: Grass growing on control is causing backwater conditions.
RR bridge RP = 8.99'.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	1.00	0.00	0.00	0.00	0.00
3.0	2.00	0.60	0.00	1.20	0.00
5.0	2.00	0.70	0.00	1.40	0.00
7.0	1.50	0.80	0.34	1.20	0.40
8.0	1.00	0.80	0.39	0.80	0.31
9.0	1.00	0.80	0.43	0.80	0.34
10.0	1.00	0.80	0.68	0.80	0.54
11.0	1.00	0.80	0.81	0.80	0.65
12.0	1.00	0.80	0.86	0.80	0.69
13.0	1.00	0.70	0.60	0.70	0.42
14.0	1.00	0.80	0.84	0.80	0.67
15.0	1.00	0.70	0.88	0.70	0.62
16.0	1.00	0.70	0.77	0.70	0.54
17.0	1.00	0.70	0.73	0.70	0.51
18.0	1.00	0.70	0.65	0.70	0.46
19.0	1.00	0.60	0.69	0.60	0.41
20.0	1.00	0.60	0.24	0.60	0.14
21.0	1.00	0.60	0.03	0.60	0.02
22.0	1.00	0.60	0.73	0.60	0.44
23.0	1.00	0.60	0.32	0.60	0.19
24.0	1.00	0.50	0.52	0.50	0.26
25.0	1.50	0.50	0.10	0.75	0.08
27.0	2.00	0.50	0.22	1.00	0.22
29.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 7.9

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~60°s F
Location: HMP-002

Date: 7/5/07
Gage Reader: AJM

Start time: NA RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): NM
Spec. Cond. (μmhos/cm @ 25°C): NM
Conductivity (μmhos): NM
pH (SU): NM
D.O. (ppm): NM

Remarks: No flow detected in standing water.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: WLD-001NW

Date: 7/5/07
Gage Reader: AJM/RRE

Start time: NA RP start (ft): NA

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No water present.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Partly cloudy, ~70°s F
Location: WLD-001SE

Date: 7/5/07
Gage Reader: RRE

Start time: 1025 RP start (ft): 0.90

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 19
Spec. Cond. (µmhos/cm @ 25°C): 207
Conductivity (µmhos): 183
pH (SU): 7.1
D.O. (ppm): 3

Remarks: No flow detected. Upstream end of culvert plugged and water is ponded behind it. Field parameters were measured in ponded water.

July 2007

HTDF Profile Logs

North Jackson Company
Field Sampling Report

Project Name: Humboldt Mill Site

Contact: North Jackson Company
1004 Harbor Hills Drive, Suite 102
Marquette, Michigan 49855
Phone (906) 225-6787

Summary of Sampling Activities

Sampling Date(s): 7/12/07

Activities:

Collected surface water samples from the pit at HPL-003 at depths of 50', 140' and 175'.

Collected masked duplicate and field blank samples.

Completed full pit profile of ORP, pH, conductivity, specific conductivity and DO at HPL-003.

Completed diurnal DO profile (0-51') at HPL-003 (0500 and 1600).

Completed ferrous iron and total iron profile at HPL-003 at depths of 0', 3', 15', 60', 80', 120', 150' and 175'.

Field Report Attachments

Field Analytical Data Summary	Yes
Quality Control Summary	Yes
Flow Measurement	No
Water Sampling Log	3
Chain of Custody Numbers	015116, 015117

Laboratory Analysis
Pace - Nitrite/nitrate

Sampler Name(s): Andy Maracini (AJM) and Richard Eagle (RRE)

North Jackson Company
Surface Water Field Data Summary

Project Name: Humboldt Mill Site

Location	Sampling Date	Temp (°C)	Spec Cond (µmhos/cm @ 25°C)	pH (SU)	DO (ppm)
HPL-003 50'	7/12/07	6.1	526	7.5	9.7
HPL-003 140'	7/12/07	5.8	732	7.4	0.1
HPL-003 175'	7/12/07	5.7	758	7.5	0.1

North Jackson Company
Quality Control Sampling Summary

Project Name: Humboldt Mill Site

Sample ID	Sampling Date	Description
DUP-001	7/12/07	Masked duplicate (HPL-003 140')
FBK-001	7/12/07	Field blank

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~50°s F
Sample ID: HPL-003 50'

Date: 7/12/07
Sampler(s): AJM/RRE
Sampling time: 1358

Odor: None
Appearance: Clear

Temperature (°C): 6.1
Spec. Cond. (µmhos/cm @ 25°C): 526
Conductivity (µmhos): 336
pH (SU): 7.5
D.O. (ppm): 9.7

Sampling method: Submersible pump

Type	#Collected	Bottle	Preservative	Parameters
SW	2	5 gallon plastic	None	

Photographs: None
Remarks:

North Jackson Company
Surface Water Sampling Log

Proj. Name:	Humboldt Mill Site	**Date:**	7/12/07
Weather:	Cloudy, ~50°s F	**Sampler(s):**	AJM/RRE
Sample ID:	HPL-003 140'	**Sampling time:**	1344

		Temperature (°C):	5.8
Odor:	None	Spec. Cond. (μmhos/cm @ 25°C):	732
Appearance:	Clear	Conductivity (μmhos):	463
		pH (SU):	7.4
		D.O. (ppm):	0.1

Sampling method: Submersible pump

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	None	Nitrite, nitrate

Photographs: None

Remarks: Masked duplicate (DUP-001) collected here.

North Jackson Company
Surface Water Sampling Log

Proj. Name: Humboldt Mill Site
Weather: Cloudy, ~50°s F
Sample ID: HPL-003 175'

Date: 7/12/07
Sampler(s): AJM/RRE
Sampling time: 1338

Odor: None
Appearance: Clear

Temperature (°C): 5.7
Spec. Cond. (μmhos/cm @ 25°C): 758
Conductivity (μmhos): 479
pH (SU): 7.5
D.O. (ppm): 0.1

Sampling method: Submersible pump

Type	#Collected	Bottle	Preservative	Parameters
SW	1	500 ml plastic	None	Nitrite, nitrate

Photographs: None
Remarks:

North Jackson Company
Ferrous & Ferric Iron Profile Log

Proj. Name: Humboldt Mill Site
Date: 7/12/07
Weather: Cloudy, ~50°s F
Field Crew: AJM/RRE
Location: HPL-003

Start time: 0735
Finish time: 1255
Remarks:

Depth (feet)	Total Iron (ppm)	Ferous Iron (ppm)	Calculated Ferric Iron (ppm)
surface	0.2	<0.1	0.2
3	0.2	<0.1	0.2
15	0.2	<0.1	0.2
60	0.2	<0.1	0.2
80	0.2	<0.1	0.2
120	<0.1	<0.1	<0.1
150	<0.1	<0.1	<0.1
175	<0.1	<0.1	<0.1

North Jackson Company
Lake/Pit DO Profile Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, ~60°s F
Location: HPL-003

Date: 7/12/07
Field Crew: AJM/RRE

Start time: 1600 **Finish time:** 1625
Remarks: 25' north of point.

Depth (feet)	DO (ppm)
surface	8.5
3	8.6
6	8.8
9	8.8
12	8.7
15	9.2
18	10.1
21	10.2
24	10.5
27	10.6
30	10.3
33	10.2
36	10.3
39	10.2
42	10.0
45	9.9
48	9.8
51	9.6

North Jackson Company
Lake/Pit DO Profile Log

Proj. Name: Humboldt Mill Site
Weather: Partly cloudy, SW wind, ~50°s F
Location: HPL-003

Date: 7/12/07
Field Crew: AJM/RRE

Start time: 0500 **Finish time:** 0533

Remarks: 85' west of mark. Total depth 190'.

Depth (feet)	DO (ppm)
surface	8.4
3	8.5
6	8.7
9	8.7
12	8.7
15	9.5
18	10.1
21	10.1
24	10.3
27	10.3
30	10.3
33	10.4
36	10.4
39	10.2
42	10.1
45	10.0
48	9.8
51	9.7

North Jackson Company
Lake/Pit Profile Log

Proj. Name: Humboldt Mill Site
Weather: SW wind, cloudy, ~50°s F
Location: HPL-003

Date: 7/12/07
Field Crew: AJM/RRE

Start time: 0735 **Finish time:** 1255
Remarks: Total depth 185'. Actual position 50' west of HPL-003.

Depth (feet)	ORP (mV)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
surface	214	8.3	21.1	443	480	8.4
3	220	8.3	21.1	446	482	8.7
6	156	8.3	21.2	432	466	8.7
9	161	8.3	21.2	464	500	8.7
12	157	8.3	21.1	417	450	8.8
15	164	8.1	19.5	465	520	9.4
18	171	8.0	16.6	433	516	10.0
21	137	7.9	13.9	388	492	10.1
24	157	7.7	11.5	382	516	10.5
27	167	7.7	10.3	370	516	10.5
30	172	7.9	8.9	335	484	10.6
33	175	7.6	7.8	328	489	10.4
36	180	7.6	6.9	323	494	10.5
39	179	7.5	6.4	319	495	10.5
42	180	7.5	6.1	328	513	10.2
45	142	7.5	5.7	327	518	10.3
48	160	7.5	5.4	324	518	10.5
51	163	7.5	5.4	326	522	9.7
54	165	7.5	5.2	326	523	9.8
57	167	7.5	5.1	326	526	9.5
60	170	7.4	5.1	328	529	9.7
63	171	7.4	5.1	330	532	9.3
66	172	7.4	5.1	332	535	9.2
69	174	7.4	5.1	333	539	8.9
72	174	7.4	5.1	337	543	8.9
75	174	7.4	5.1	338	545	8.2
78	174	7.3	5.1	339	548	7.8
81	166	7.3	5.2	343	553	7.0
84	169	7.3	5.1	346	558	6.5
87	170	7.3	5.2	351	565	5.4
90	171	7.2	5.2	355	571	4.6
93	173	7.2	5.2	358	576	3.9
96	172	7.2	5.3	365	587	3.3
99	172	7.2	5.3	376	603	2.3

Depth (feet)	ORP (mV)	pH (SU)	Temp (°C)	Cond (µmhos)	Sp Cond (µmhos/cm @ 25°C	DO (ppm)
102	172	7.2	5.4	392	627	0.8
105	170	7.2	5.4	404	645	0.2
108	169	7.2	5.5	410	654	0.2
111	167	7.2	5.5	417	663	0.15
114	164	7.2	5.6	425	675	0.25
117	162	7.2	5.6	430	682	<0.05
120	160	7.3	5.5	431	687	NM
123	152	7.3	5.6	437	694	<0.05
126	152	7.3	5.5	439	699	NM
129	151	7.3	5.6	444	705	0.05
132	149	7.3	5.6	448	712	NM
135	149	7.3	5.6	451	716	0.2
138	148	7.4	5.6	457	725	NM
141	146	7.4	5.6	459	730	0.1
144	150	7.4	5.6	463	736	NM
147	150	7.4	5.6	467	742	0.1
150	149	7.4	5.7	470	745	NM
153	145	7.4	5.7	472	748	0.1
156	141	7.5	5.6	473	751	NM
159	137	7.5	5.6	475	754	0.05
162	136	7.5	5.6	476	755	NM
165	135	7.5	5.7	475	753	0.1
168	133	7.5	5.7	477	756	NM
171	131	7.5	5.6	477	757	0.1
174	133	7.5	5.7	478	758	NM
177	132	7.5	5.6	478	759	0.1
180	124	7.5	5.6	478	759	0.1
183	124	7.5	5.6	478	760	0.1

NM Not measured

August 2007 Flow

North Jackson Company

Flow Measurement and Field Parameter Summary

Project Name: Humboldt Mill

Location	Measurement Date	Flow (cfs)	Temp (°C)	Spec Cond (mmhos/cm @ 25°C)	pH (SU)	DO (ppm)
EBR-001	8/2/07	0.0	21	202	6.8	6.0
WBR-001	8/2/07	0.01	18	77	6.4	3.4
WBR-002	8/2/07	0.001	22	276	6.6	NM
WBR-003	8/2/07	0.006	21	213	6.7	NM
MBR-001	8/2/07	0.2	19	180	7.3	6.5
MER-001	8/2/07	4.2	21	124	7.6	7.8
MER-002	8/2/07	4.6	23	162	7.5	7.7
MER-003	8/2/07	5.7	23	178	7.5	8.3
HMP-002	8/2/07	0.0	28	531	7.9	7.1
WLD-001NW	8/2/07	0.0	d	d	d	d
WLD-001SE	8/2/07	0.0	20	283	6.9	1.1

d Dry
NM Not measured

North Jackson Company
Water Level Summary

Project Name: Humboldt Mill

Location	Description of Measuring Point	Date	Depth to Water (ft)
TDP001	Driven Point	8/2/07	Dry
TDP002	Driven Point	8/2/07	6.46
MW-5	Monitoring Well	8/2/07	8.71
MW-6	Monitoring Well	8/2/07	Dry
MW-7	Monitoring Well	8/2/07	25.93
MW-9	Monitoring Well	8/2/07	Dry
MW-11	Monitoring Well	8/2/07	7.96
MW-12	Monitoring Well	8/2/07	5.63
MW-101	Monitoring Well	8/2/07	7.52
MW-102	Monitoring Well	8/2/07	8.01
MW-103	Monitoring Well	8/2/07	9.53
MW-104	Monitoring Well	8/2/07	9.44
MW-601	Monitoring Well	8/2/07	7.64
MW-602	Monitoring Well	8/2/07	18.48
MW-603	Monitoring Well	8/2/07	17.94
MW-604	Monitoring Well	8/2/07	7.09
MW-605	Monitoring Well	8/2/07	7.76
MW-606	Monitoring Well	8/2/07	13.52
P-602	Monitoring Well	8/2/07	18.39
P-604	Monitoring Well	8/2/07	7.72
P-605	Monitoring Well	8/2/07	7.66
PW-1	Monitoring Well	8/2/07	12.91
PW-2	Monitoring Well	8/2/07	38.59
PW-4	Monitoring Well	8/2/07	10.74

North Jackson Company
Water Level Summary

Project Name: Humboldt Mill

Location	Description of Measuring Point	Date	Depth to Water (ft)
KMW-1	Monitoring Well	8/2/07	8.39
KMW-2	Monitoring Well	8/2/07	7.61
KMW-3	Monitoring Well	8/2/07	16.42
KMW-4	Monitoring Well	8/2/07	29.08
KMW-5	Monitoring Well	8/2/07	42.69
KMW-6A	Monitoring Well	8/2/07	42.61
KMW-7	Monitoring Well	8/2/07	26.11
KMW-9	Monitoring Well	8/2/07	25.88
KMW-9P	Monitoring Well	8/2/07	25.74
KMW-10	Monitoring Well	8/2/07	8.37
HMS-001	Staff Gauge	8/2/07	0.23
HMS-002	Staff Gauge	8/2/07	Dry
HMS-003	Staff Gauge	8/2/07	0.78
HMS-004	Staff Gauge	8/2/07	0.92
HMS-005	Staff Gauge	8/2/07	0.73
HMS-006	Staff Gauge	8/2/07	0.67
HMS-007	Staff Gauge	8/2/07	2.10
HMP-004	Staff Gauge	8/2/07	Dry
HMP-005	Staff Gauge	8/2/07	1.24
HMP-006	Well Point	8/2/07	5.89
HMP-007	Staff Gauge	8/2/07	0.42
HMP-008	Staff Gauge	8/2/07	1.78
HMP-009	Staff Gauge	8/2/07	1.46
HYG-1	Existing Pit	8/2/07	8.33
HW-1	Existing Pit	8/2/07	6.38
HW-1a	Existing Pit	8/2/07	6.16
HW-2	Existing Pit	8/2/07	8.71
HW-3	Existing Pit	8/2/07	35.88
HW-4	Existing Pit	8/2/07	29.56
HW-5	Existing Pit	8/2/07	6.62
HW-5a	Existing Pit	8/2/07	6.54
HW-6	Existing Pit	8/2/07	4.47
HW-6a	Existing Pit	8/2/07	3.89

Note: All monitoring well depths measured from top of PVC (at mark, if present). Staff gauges were read directly.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: EBR-001

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 0915 RP start (ft): 1.52

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 21
Spec. Cond. (µmhos/cm @ 25°C): 202
Conductivity (µmhos): 187
pH (SU): 6.8
D.O. (ppm): 6.0

Remarks: No flow detected.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WBR-001

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1035 RP start (ft): 1.60

Finish time: 1045 RP end (ft): 1.60

Inst. read: NA

Temperature (°C): 18
Spec. Cond. (μmhos/cm @ 25°C): 77
Conductivity (μmhos): 68
pH (SU): 6.4
D.O. (ppm): 3.4

Remarks: Control is gravel/stone at downstream end of culvert. Good rating conditions. Physically made a measurement section to facilitate extremely low flow measurement.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.15	0.10	0.35	0.02	0.005
0.3	0.30	0.15	0.13	0.05	0.006
0.6	0.30	0.15	0.03	0.05	0.001
0.9	0.30	0.15	0.02	0.05	0.001
1.2	0.30	0.15	0.00	0.05	0.000
1.5	0.15	0.00	0.00	0.00	0.000

Total flow: **0.01**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WBR-002

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1010 RP start (ft): 3.10

Finish time: NM RP end (ft): NM

Inst. read: NA

Temperature (°C): 22
Spec. Cond. (µmhos/cm @ 25°C): 276
Conductivity (µmhos): 259
pH (SU): 6.6
D.O. (ppm): NM

Remarks: Flow was concentrated into small section by physically shaping channel. Measurement made after flow stabilized in the new section.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	0.20	0.00	0.00	0.00	0.000
0.4	0.40	0.15	0.00	0.06	0.000
0.8	0.25	0.15	0.00	0.04	0.000
0.9	0.25	0.15	0.02	0.04	0.001
1.3	0.40	0.10	0.00	0.04	0.000
1.7	0.20	0.00	0.00	0.00	0.000

Total Flow: **0.001**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WBR-003

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 0930 RP start (ft): 2.46

Finish time: 0935 RP end (ft): 2.46

Inst. read: NA

Temperature (°C): 21
Spec. Cond. (µmhos/cm @ 25°C): 213
Conductivity (µmhos): 195
pH (SU): 6.7
D.O. (ppm): NM

Remarks: Culvert upstream end plugged, probably by beaver activity. Downstream end has small trickle with free fall.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.3	0.20	0.00	0.00	0.00	0.000
0.7	0.40	0.20	0.00	0.08	0.000
1.1	0.35	0.20	0.02	0.07	0.001
1.4	0.30	0.20	0.06	0.06	0.004
1.7	0.30	0.20	0.02	0.06	0.001
2.0	0.30	0.20	0.00	0.06	0.000
2.3	0.15	0.00	0.00	0.00	0.000

Total flow: **0.006**

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MBR-001

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 0900 RP start (ft): 4.40
Finish time: 0910 RP end (ft): 4.40
Inst. read: NA

Temperature (°C): 19
Spec. Cond. (µmhos/cm @ 25°C): 180
Conductivity (µmhos): 160
pH (SU): 7.3
D.O. (ppm): 6.5

Remarks: Very little grass on control. Good rating conditions.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.6	0.20	0.00	0.00	0.00	0.00
1.0	0.35	0.30	0.11	0.11	0.01
1.3	0.30	0.30	0.12	0.09	0.01
1.6	0.30	0.30	0.31	0.09	0.03
1.9	0.30	0.25	0.56	0.08	0.04
2.2	0.30	0.25	0.34	0.08	0.03
2.5	0.30	0.25	0.28	0.08	0.02
2.8	0.30	0.15	0.26	0.05	0.01
3.1	0.15	0.00	0.00	0.00	0.00

Total flow: 0.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-001

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1115 RP start (ft): 5.75

Finish time: 1145 RP end (ft): 5.75

Inst. read: NA

Temperature (°C): 21
Spec. Cond. (µmhos/cm @ 25°C): 124
Conductivity (µmhos): 114
pH (SU): 7.6
D.O. (ppm): 7.8

Remarks: Weed growth in bottom of stream. Control is grass causing some backwater.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
5.0	0.50	0.00	0.00	0.00	0.00
6.0	1.00	0.30	0.20	0.30	0.06
7.0	1.00	0.40	0.48	0.40	0.19
8.0	1.00	0.60	0.22	0.60	0.13
9.0	1.00	0.60	0.24	0.60	0.14
10.0	1.00	0.70	0.16	0.70	0.11
11.0	1.00	0.70	0.46	0.70	0.32
12.0	1.00	0.70	0.45	0.70	0.32
13.0	1.00	0.70	0.59	0.70	0.41
14.0	1.00	0.70	0.54	0.70	0.38
15.0	1.00	0.70	0.59	0.70	0.41
16.0	1.00	0.60	0.30	0.60	0.18
17.0	1.00	0.60	0.54	0.60	0.32
18.0	1.00	0.50	0.41	0.50	0.21
19.0	1.00	0.50	0.53	0.50	0.27
20.0	1.00	0.50	0.56	0.50	0.28
21.0	1.00	0.40	0.41	0.40	0.16
22.0	1.00	0.40	0.26	0.40	0.10
23.0	1.00	0.30	0.36	0.30	0.11
24.0	1.50	0.20	0.24	0.30	0.07
26.0	2.00	0.20	0.06	0.40	0.02
28.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 4.2

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-002

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1300 RP start (ft): 1.62

Finish time: 1335 RP end (ft): 1.62

Inst. read: NA

Temperature (°C): 23
Spec. Cond. (µmhos/cm @ 25°C): 162
Conductivity (µmhos): 155
pH (SU): 7.5
D.O. (ppm): 7.7

Remarks: Measurement made under bridge.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
1.0	0.50	0.00	0.00	0.00	0.00
2.0	1.00	0.50	0.02	0.50	0.01
3.0	1.00	0.60	0.08	0.60	0.05
4.0	1.00	1.00	0.05	1.00	0.05
5.0	1.00	1.20	0.06	1.20	0.07
6.0	1.00	1.30	0.23	1.30	0.30
7.0	1.00	1.40	0.16	1.40	0.22
8.0	1.00	1.40	0.24	1.40	0.34
9.0	1.00	1.60	0.16	1.60	0.26
10.0	1.00	1.50	0.24	1.50	0.36
11.0	1.00	1.50	0.16	1.50	0.24
12.0	1.00	1.50	0.16	1.50	0.24
13.0	1.00	1.70	0.16	1.70	0.27
14.0	1.00	1.70	0.18	1.70	0.31
15.0	1.00	1.80	0.27	1.80	0.49
16.0	1.00	1.70	0.27	1.70	0.46
17.0	1.00	1.70	0.12	1.70	0.20
18.0	1.00	1.60	0.18	1.60	0.29
19.0	1.00	1.10	0.13	1.10	0.14
20.0	1.00	1.00	0.10	1.00	0.10
21.0	1.00	0.70	0.16	0.70	0.11
22.0	1.50	0.50	0.08	0.75	0.06
24.0	2.00	0.20	0.00	0.40	0.00
26.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 4.6

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: MER-003

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1355 RP start (ft): 3.89

Finish time: 1425 RP end (ft): 3.89

Inst. read: NA

Temperature (°C): 23
Spec. Cond. (μmhos/cm @ 25°C): 178
Conductivity (μmhos): 172
pH (SU): 7.5
D.O. (ppm): 8.3

Remarks: Lots of weeds growing into streambed.

Meter units: ft/sec
Flow period: 40 sec

Flow Measurement

Distance from Initial Point (ft)	Width (ft)	Stream Depth (ft)	Velocity at Point (ft/s)	Area (ft^2)	Flow (cfs)
0.0	1.00	0.00	0.00	0.00	0.00
2.0	2.00	0.50	0.00	1.00	0.00
4.0	2.00	0.60	0.02	1.20	0.02
6.0	1.50	0.70	0.11	1.05	0.11
7.0	1.00	0.80	0.36	0.80	0.29
8.0	1.00	0.70	0.40	0.70	0.28
9.0	1.00	0.70	0.75	0.70	0.53
10.0	1.00	0.80	0.35	0.80	0.28
11.0	1.00	0.70	0.74	0.70	0.52
12.0	1.00	0.70	0.58	0.70	0.41
13.0	1.00	0.70	0.65	0.70	0.46
14.0	1.00	0.70	0.86	0.70	0.60
15.0	1.00	0.60	0.97	0.60	0.58
16.0	1.00	0.60	0.46	0.60	0.28
17.0	1.00	0.60	0.86	0.60	0.52
18.0	1.00	0.60	0.30	0.60	0.18
19.0	1.00	0.50	0.08	0.50	0.04
20.0	1.00	0.50	0.08	0.50	0.04
21.0	1.00	0.50	0.42	0.50	0.21
22.0	1.00	0.50	0.21	0.50	0.11
23.0	1.00	0.50	0.27	0.50	0.14
24.0	1.50	0.50	0.09	0.75	0.07
26.0	2.00	0.40	0.07	0.80	0.06
28.0	2.00	0.20	0.02	0.40	0.01
30.0	1.00	0.00	0.00	0.00	0.00

Total Flow: 5.7

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: HMP-002

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 1250 RP start (ft): NM

Finish time: NA RP end (ft): NM

Inst. read: NA

Temperature (°C): 28
Spec. Cond. (μmhos/cm @ 25°C): 531
Conductivity (μmhos): 564
pH (SU): 7.9
D.O. (ppm): 7.1

Remarks: No flow detected in standing water.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WLD-001NW

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 0955 RP start (ft): NA

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): d
Spec. Cond. (μmhos/cm @ 25°C): d
Conductivity (μmhos): d
pH (SU): d
D.O. (ppm): d

Remarks: No water present.

North Jackson Company
Flow Measurement Log

Proj. Name: Humboldt Mill
Weather: Sunny, ~70°s F
Location: WLD-001SE

Date: 8/2/07
Gage Reader: RRE/KHS

Start time: 0945 RP start (ft): 1.18

Finish time: NA RP end (ft): NA

Inst. read: NA

Temperature (°C): 20
Spec. Cond. (µmhos/cm @ 25°C): 283
Conductivity (µmhos): 258
pH (SU): 6.9
D.O. (ppm): 1.1

Remarks: No flow detected. County seems to have cleared the upstream end of culvert but beaver activity has resulted in mud being stuck here again.

F-2

Surface Water Analytical Results Summary

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Aluminum		350	10	20	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Antimony	U	<0.050	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Arsenic		8.6	0.1	0.2	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Barium		150	0.15	0.3	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Beryllium		2.4	0.1	0.2	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Boron		38	1	2	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Cadmium	U	<0.05	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Calcium		22000	500	1000	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Chromium		3.2	0.25	0.5	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Cobalt		0.58	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Copper		1	0.1	0.2	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Cyanide, total	U	<0.0037	0.0037	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Iron		120000	1200	2500	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Lead		2.3	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Lithium		0.36	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Magnesium		7700	12	25	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Manganese		26	5	10	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Mercury	U	<0.072	0.072	0.2	ug/L	1		SW846 7470A	SW846 7470A	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Molybdenum		0.45	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Nickel		1	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Potassium		1800	10	20	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Selenium	B	0.36	0.25	0.5	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Silver	U	<10	10	0.2	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Sodium		1400	25	50	ug/L	1		EPA 3020	EPA 6020	Metal	SW
3/29/2006	3/30/2006	SW-4	BELOW BEAVER POND	1	Tier 1	870383-021	Zinc		9.3	2.5	5	ug/L	1		EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Aluminum, total		21.8	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Arsenic, total		1	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Barium, total		11.5	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Bicarbonate Alkalinity		120	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Boron, total		22.5	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Calcium, total		26700	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Chloride	B	3.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Chromium, total	J	0.12	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Cobalt, total		0.11	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	COD		100	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Copper, total		0.24	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBR-001	1	Tier 1	EBRS-001	Dissolved Oxygen		2			mg/L					Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBR-001	1	Tier 1	EBR-001	Flow		<0.3			cfs					Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Gross Alpha		0.626			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Gross Beta		2.69			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Iron, total		1120	21		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Lead, total	J	0.049	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Lithium, total		1.6	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Magnesium, total		10700	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Manganese, total		161	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Mercury - low level		1.00	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Molybdenum, total		2.6	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Nickel, total		1	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Nitrogen, Ammonia		0.39	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Nitrogen, Nitrate	B	0.12	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBR-001	1	Tier 1	EBRS-001	pH		7.8			S.U.					Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Potassium, total		1530	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Selenium, total	J	0.12	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Sodium, total		2160	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBR-001	1	Tier 1	EBRS-001	Specific Conductance		236			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Sulfate		4.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBR-001	1	Tier 1	EBRS-001	Temperature		18			Celcius					Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	TOC as NPOC		9.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	TOC as NPOC - Dissolved		9.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Total Alkalinity		120	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Total Dissolved Solids		150	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Total Hardness		111000	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Total Suspended Solids	B	1.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Turbidity		3.8	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750-009	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	EBR-001	EBRS-001	1	Tier 1	874750009	Zinc, total		2.6	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Aluminum, total		2.8	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Aluminum, total		2.8	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Arsenic, total		<0.12	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Arsenic, total		<0.12	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Barium, total	J	0.089	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Barium, total	J	0.048	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Bicarbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Bicarbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Boron, total		188	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Boron, total		186	5.7		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Calcium, total		18.6	6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Calcium, total		8.6	6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Carbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Chloride	B	3.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Chloride	B	3.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Chromium, total	J	0.17	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Chromium, total	J	0.093	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Cobalt, total		<0.029	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Cobalt, total		<0.029	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Copper, total		1.7	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Copper, total		2.2	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Gross Alpha		0.390			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Gross Alpha		-0.036			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Gross Beta		-0.425			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Gross Beta		1.17			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Iron, total		22.8	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Iron, total	J	12.7	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Lead, total		0.26	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Lead, total		0.21	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Lithium, total		0.052	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Lithium, total	J	0.046	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Magnesium, total		2.3	1.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Magnesium, total	J	0.95	1.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Manganese, total		<0.16	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Manganese, total		0.18	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Mercury - low level	B	0.213	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Mercury - low level	U	<0.169	0.169	0.169	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Molybdenum, total		<0.11	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Molybdenum, total		<0.11	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Nickel, total		0.18	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Nickel, total	J	0.11	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Nitrogen, Ammonia	U	<0.20	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Nitrogen, Ammonia	B	0.37	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Potassium, total		<30	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Potassium, total		<30	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Sodium, total		1110	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Sodium, total		1980	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Sulfate	U	<0.77	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Sulfate	U	<0.77	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	TOC as NPOC - Dissolved	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	TOC as NPOC - Dissolved	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Total Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Total Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Total Dissolved Solids		20	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Total Hardness		<118	118		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Total Hardness	J	55.7	118		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Total Suspended Solids	U	<0.30	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Total Suspended Solids	U	<0.24	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Turbidity	B	0.59	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433-009	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/3/2006	Field Blank	FBKS-001	1	Tier 1	874750-017	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/23/2006	Field Blank	FBKS--001	1	Tier 1	875433009	Zinc, total		3.5	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Field Blank	FBKS	1	Tier 1	874750017	Zinc, total		5	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Aluminum		22.3	0.49	1.6	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Aluminum		23.5	0.49	1.6	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Antimony		8	0.039	0.13	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Antimony		29.2	0.039	0.13	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Arsenic		0.9	0.035	0.12	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Arsenic		0.37	0.035	0.12	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Barium		6.9	0.033	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Barium		9	0.033	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Beryllium	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Beryllium	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Bicarbonate Alkalinity		110	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Bicarbonate Alkalinity		130	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Boron		79.8	0.17	0.57	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Boron		132	0.17	0.57	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Cadmium	J	0.018	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Cadmium		0.088	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Calcium		48500	90	300	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Calcium		52800	90	300	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Chloride	B	25	4.1	25	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Chloride	B	20	4.1	25	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Chromium	J	0.098	0.091	0.3	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Chromium	J	0.12	0.091	0.3	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Cobalt		2.8	0.0087	0.029	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Cobalt		15.5	0.0087	0.029	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Copper		3	0.026	0.087	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Copper		1.4	0.026	0.087	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001E	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001H	Dissolved Oxygen		0.2			mg/L					Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Fluoride	U	<0.48	0.48	2.5	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Fluoride	U	<0.48	0.48	2.5	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Gross Alpha		3.05		2.29	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Gross Alpha		3.22		2.96	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Gross Beta		13.4		1.13	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Gross Beta		7.54		1.22	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Iron		68.3	6.3	21	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Iron		192	6.3	21	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Lead		0.27	0.03	0.1	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Lead	J	0.095	0.03	0.1	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Lithium		3.9	0.014	0.047	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Lithium		3.4	0.014	0.047	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Magnesium		25200	19	65	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Magnesium		31000	19	65	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Manganese		51.9	0.047	0.16	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Manganese		1120	2.4	8	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Mercury - low level		0.521	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Mercury - low level		0.557	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Molybdenum		42.2	0.034	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Molybdenum		11.4	0.034	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Nickel		187	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Nickel		7.2	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Nitrogen, Ammonia		2.0	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Nitrogen, Nitrate		3.2	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Nitrogen, Nitrate		1.9	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001E	pH		8.5			S.U.					Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Potassium		16400	455	1500	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Potassium		7360	45.5	150	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Selenium	J	0.38	0.12	0.4	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Selenium	J	0.36	0.12	0.4	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Silver	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Silver	J	0.056	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Sodium		26700	170	550	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Sodium		11900	17	55	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001E	Specific Conductance		457			umhos/cm @25 degrees C					Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Sulfate		120	3.9	20	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Sulfate		150	3.9	20	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001E	Temperature		17			Celcius					Field	SW
8/3/2006	9/13/2006	HMP-001	HMP-001	1	Tier 1	HMPS-001H	Temperature		5.3			Celcius					Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	TOC as NPOC		2.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	TOC as NPOC		2.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	TOC as NPOC - Dissolved	B	1.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	TOC as NPOC - Dissolved		2.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Total Alkalinity		130	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Total Alkalinity		110	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Total Dissolved Solids		380	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Total Dissolved Solids		270	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Total Hardness		225000	1780	5900	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Total Hardness		260000	1780	5900	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Total Petroleum Hydrocarbons	J	2.7	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Total Suspended Solids	B	0.50	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Total Suspended Solids		1.0	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Turbidity		1.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Turbidity	B	0.96	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001H	1	Tier 1	876048003	Zinc		3.9	0.3	1	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	HMP-001	HMPS-001E	1	Tier 1	876048001	Zinc		2.7	0.3	1	ug/L				EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Aluminum, total		7.2	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Antimony, total		0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Arsenic, total		1.7	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Barium, total		5.1	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Bicarbonate Alkalinity		77	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Boron, total		41.1	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Calcium, total		13700	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Carbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Chloride	B	3.1	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Chromium, total		0.37	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Cobalt, total		0.18	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	COD		34	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Copper, total		0.73	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTP-001	1	Tier 1	HTPS-001E	Dissolved Oxygen		5			mg/L					Field	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Fluoride	B	0.38	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Gross Alpha		1.92			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Gross Beta		2.53			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Iron, total		1100	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Lead, total		0.11	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Lithium, total		7.6	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Magnesium, total		12000	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Manganese, total		16.6	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	9/13/2006	HTP-001	HTPS-001E	1	Tier 1	876048-005	Mercury - low level		1.56	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Molybdenum, total		3.7	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Nickel, total		1.2	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Nitrogen, Ammonia	B	0.29	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTP-001	1	Tier 1	HTPS-001E	pH		8.5			S.U.					Field	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Potassium, total		2730	150		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Selenium, total	J	0.33	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Sodium, total		357	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTP-001	1	Tier 1	HTPS-001E	Specific Conductance		147			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Sulfate		8.5	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTP-001	1	Tier 1	HTPS-001E	Temperature		20			Celcius					Field	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	TOC as NPOC		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	TOC as NPOC - Dissolved		13	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Total Alkalinity		77	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Total Hardness		83800	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Total Suspended Solids		1.9	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Turbidity		3.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-001	HTPS-001E	1	Tier 1	875433001	Zinc, total		2	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Aluminum, total		10.9	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Arsenic, total		2.4	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Barium, total		9.1	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Bicarbonate Alkalinity		49	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Boron, total		23.9	2.8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Calcium, total		11900	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Carbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Chloride	B	3.1	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Chromium, total	J	0.27	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Cobalt, total		0.15	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	COD		54	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Copper, total		0.15	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTP-002	1	Tier 1	HTPS-002E	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Fluoride	B	0.30	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Gross Alpha		0.124			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Gross Beta		1.77			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Iron, total		2720	105		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Lead, total		0.14	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Lithium, total		2.6	0.24		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Magnesium, total		5230	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Manganese, total		236	0.8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Mercury - low level		1.06	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Molybdenum, total		0.73	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Nickel, total		1.1	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Nitrogen, Ammonia	B	0.28	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTP-002	1	Tier 1	HTPS-002E	pH		7.8			S.U.					Field	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Potassium, total		1520	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Silver, total		0.15	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Sodium, total		1210	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTP-002	1	Tier 1	HTPS-002E	Specific Conductance		97			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Sulfate	B	2.8	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTP-002	1	Tier 1	HTPS-002E	Temperature		20			Celcius					Field	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	TOC as NPOC		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	TOC as NPOC - Dissolved		9.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Total Alkalinity		49	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Total Dissolved Solids		88	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Total Hardness		51100	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Total Suspended Solids		20	0.79	3.3	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Turbidity		31	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	HTP-002	HTPS-002E	1	Tier 1	875433003	Zinc, total		1.7	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Aluminum, total		28.5	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Aluminum, total		14.3	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Antimony, total	J	0.071	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Antimony, total	J	0.044	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Arsenic, total		1.4	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Arsenic, total		0.61	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Barium, total		2.5	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Barium, total		14.6	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Bicarbonate Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Bicarbonate Alkalinity		30	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Boron, total		12.7	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Boron, total		11.7	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Calcium, total		8860	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Calcium, total		7440	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Chloride	B	2.9	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Chloride	B	2.9	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Chromium, total	J	0.21	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Chromium, total		1.1	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Cobalt, total		0.4	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Cobalt, total		0.11	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Copper, total		0.43	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Copper, total		0.39	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001E	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001H	Dissolved Oxygen		<1			mg/L					Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Gross Alpha		0.800			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Gross Alpha		-0.129			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Gross Beta		0.788			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Gross Beta		1.44			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Iron, total		2170	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Iron, total		377	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Lead, total		0.22	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Lead, total		<0.1	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Lithium, total		1	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Lithium, total		1.2	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Magnesium, total		3250	2.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Magnesium, total		3100	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Manganese, total		2140	8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Manganese, total		23.3	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Mercury - low level		1.85	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Mercury - low level		0.689	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Molybdenum, total		1.3	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Molybdenum, total		0.75	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Nickel, total		1.6	0.28		ug/L				EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Nickel, total		2.9	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Nitrogen, Ammonia	B	0.36	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001E	pH		7.9			S.U.					Field	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001H	pH		7.1			S.U.					Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Potassium, total		1240	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Potassium, total		1070	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Sodium, total		893	11		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Sodium, total		1030	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001E	Specific Conductance		64			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001H	Specific Conductance		77			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Sulfate	B	4.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Sulfate		4.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001E	Temperature		22			Celcius					Field	SW
8/3/2006	8/16/2006	LKL-001	LKL-001	1	Tier 1	LKLS-001H	Temperature		13			Celcius					Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	TOC as NPOC		7.5	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	TOC as NPOC		7.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	TOC as NPOC - Dissolved		6.4	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	TOC as NPOC - Dissolved		6.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Total Alkalinity		30	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Total Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Total Dissolved Solids		68	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Total Dissolved Solids		40	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Total Hardness		34900	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Total Hardness		32000	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Total Petroleum Hydrocarbons		<5.2	5.2		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Total Suspended Solids	B	1.0	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Total Suspended Solids		5.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Turbidity		1.8	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Turbidity		16	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183-002	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183-001	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001H	1	Tier 1	875183002	Zinc, total		2.5	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-001	LKLS-001E	1	Tier 1	875183001	Zinc, total		2.6	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Aluminum, total		37.4	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Aluminum, total		7.1	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Antimony, total	J	0.039	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Antimony, total	J	0.045	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Arsenic, total		3.8	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Arsenic, total		0.62	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Barium, total		2.4	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Barium, total		22	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Bicarbonate Alkalinity		41	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Bicarbonate Alkalinity		41	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Boron, total		11.5	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Boron, total		12.3	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Calcium, total		9880	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Calcium, total		7940	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Chloride	B	2.9	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Chromium, total	J	0.19	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Chromium, total		0.3	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Cobalt, total		0.47	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Cobalt, total		0.059	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	COD		44	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Copper, total		0.51	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Copper, total		0.39	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002E	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002H	Dissolved Oxygen		<1			mg/L					Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Gross Alpha		0.134			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Gross Alpha		0.918			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Gross Beta		1.04			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Gross Beta		0.427			pCi/L					Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Iron, total		6650	105		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Iron, total		360	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Lead, total		0.24	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Lead, total		0.12	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Lithium, total		1	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Lithium, total		1.2	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Magnesium, total		3250	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Magnesium, total		3260	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Manganese, total		2400	8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Manganese, total		21.2	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Mercury - low level		2.21	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Mercury - low level		0.775	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Molybdenum, total		0.74	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Molybdenum, total		2	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Nickel, total		1.1	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Nickel, total		2.7	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Nitrogen, Ammonia		0.65	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002E	pH		8.0			S.U.					Field	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002H	pH		7.6			S.U.					Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Potassium, total		1090	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Potassium, total		1300	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Selenium, total	J	0.17	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Selenium, total	J	0.21	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Silver, total	J	0.048	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Sodium, total		1010	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Sodium, total		904	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002E	Specific Conductance		65			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002H	Specific Conductance		70			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Sulfate		4.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Sulfate	B	2.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002E	Temperature		22			Celcius					Field	SW
8/3/2006	8/16/2006	LKL-002	LKL-002	1	Tier 1	LKLS-002H	Temperature		12			Celcius					Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	TOC as NPOC		7.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	TOC as NPOC		9.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	TOC as NPOC - Dissolved		9.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	TOC as NPOC - Dissolved		6.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Total Alkalinity		41	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Total Alkalinity		47	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Total Dissolved Solids		80	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Total Dissolved Solids		58	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Total Hardness		38100	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Total Hardness		33200	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Total Petroleum Hydrocarbons		7.3	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Total Petroleum Hydrocarbons		<5.2	5.2		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Total Suspended Solids		11	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Total Suspended Solids	B	1.0	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Turbidity		1.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Turbidity		11	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183-004	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183-005	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002E	1	Tier 1	875183004	Zinc, total		2	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/16/2006	LKL-002	LKLS-002H	1	Tier 1	875183005	Zinc, total		4.6	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Aluminum, total		11.6	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Arsenic, total		0.83	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Barium, total		6.8	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Bicarbonate Alkalinity		60	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Boron, total		17.9	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Calcium, total		14500	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Chloride		13	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Chromium, total	J	0.13	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Cobalt, total		0.12	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	COD		54	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Copper, total		0.19	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBR-001	1	Tier 1	MBRS-001	Dissolved Oxygen		6			mg/L					Field	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/8/2006	MBR-001	MBR-001	1	Tier 1	MBR-001	Flow		0.15			cfs					Field	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Fluoride	B	0.30	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Gross Alpha		0.362			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Gross Beta		0.641			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Iron, total		1600	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Lead, total	J	0.046	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Lithium, total		1.5	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Magnesium, total		6330	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Manganese, total		128	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Mercury - low level		1.32	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Molybdenum, total		1.1	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Nickel, total		0.58	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Nitrogen, Ammonia		0.22	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Nitrogen, Nitrate	B	0.12	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBR-001	1	Tier 1	MBRS-001	pH		7.7			S.U.					Field	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Potassium, total		877	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Sodium, total		6600	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBR-001	1	Tier 1	MBRS-001	Specific Conductance		173			umhos/cm @25 degrees C					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Sulfate		6.1	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBR-001	1	Tier 1	MBRS-001	Temperature		17			Celcius					Field	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	TOC as NPOC		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	TOC as NPOC - Dissolved		8.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Total Alkalinity		60	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Total Hardness		62300	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Total Suspended Solids	B	1.8	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Turbidity		6.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750-007	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MBR-001	MBRS-001	1	Tier 1	874750007	Zinc, total		2.7	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Aluminum, total		20.3	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Arsenic, total		1.4	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Barium, total		8.3	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Bicarbonate Alkalinity		43	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Boron, total		8.2	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Calcium, total		13200	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Chloride		8.2	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Chromium, total		0.34	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Cobalt, total		0.061	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	COD		21	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Copper, total		0.46	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MER-001	1	Tier 1	MERS-001	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-001	MER-001	1	Tier 1	MER-001	Flow		5.2			cfs					Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Gross Alpha		0.262			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Gross Beta		1.18			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Iron, total		1230	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Lead, total	J	0.075	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Lithium, total		0.92	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Magnesium, total		4250	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Manganese, total		32.8	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Mercury - low level		1.55	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Molybdenum, total		0.37	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Nickel, total		0.44	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Nitrogen, Nitrate	B	0.14	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MER-001	1	Tier 1	MERS-001	pH		7.7			S.U.					Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Potassium, total		855	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Selenium, total	J	0.14	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Sodium, total		4520	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MER-001	1	Tier 1	MERS-001	Specific Conductance		115			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Sulfate		6.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MER-001	1	Tier 1	MERS-001	Temperature		16			Celcius					Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	TOC as NPOC		5.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	TOC as NPOC - Dissolved		5.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Total Alkalinity		43	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Total Hardness		50400	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Total Suspended Solids	B	1.8	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Turbidity		4.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246-002	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-001	MERS-001	1	Tier 1	875246002	Zinc, total		2.5	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Aluminum, total		41.7	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Aluminum, total		41.5	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Arsenic, total		2	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Arsenic, total		2	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Barium, total		9.2	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Barium, total		9.2	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Bicarbonate Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Bicarbonate Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Boron, total		9.3	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Boron, total		9.3	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Calcium, total		11100	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Calcium, total		11400	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Chloride		9.9	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Chloride		9.9	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Chromium, total	J	0.28	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Chromium, total		0.45	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Cobalt, total		0.23	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Cobalt, total		0.22	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	COD		140	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	COD		89	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Copper, total		0.41	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Copper, total		0.46	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MER-002	1	Tier 1	MERS-002	Dissolved Oxygen		7			mg/L					Field	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-002	MER-002	1	Tier 1	MER-002	Flow		7.1			cfs					Field	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Gross Alpha		-0.014			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Gross Alpha		0.800			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Gross Beta		0.615			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Gross Beta		0.043			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Iron, total		2360	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Iron, total		2370	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Lead, total		0.14	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Lead, total		0.17	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Lithium, total		0.76	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Lithium, total		0.76	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Magnesium, total		3180	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Magnesium, total		3030	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Manganese, total		65.4	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Manganese, total		73.9	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Mercury - low level		3.00	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Mercury - low level		3.16	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Molybdenum, total		0.33	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Molybdenum, total		0.35	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Nickel, total		0.67	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Nickel, total		0.71	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Nitrogen, Ammonia		0.27	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Nitrogen, Ammonia		0.35	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Nitrogen, Nitrate	B	0.13	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Nitrogen, Nitrate	B	0.13	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MER-002	1	Tier 1	MERS-002	pH		7.0			S.U.					Field	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Potassium, total		656	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Potassium, total		664	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Selenium, total	J	0.18	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Selenium, total	J	0.14	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Silver, total	J	0.048	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Sodium, total		6430	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Sodium, total		5060	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MER-002	1	Tier 1	MERS-002	Specific Conductance		125			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Sulfate		7.5	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Sulfate		7.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MER-002	1	Tier 1	MERS-002	Temperature		19			Celcius					Field	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	TOC as NPOC		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	TOC as NPOC		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	TOC as NPOC - Dissolved		7.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	TOC as NPOC - Dissolved		7.4	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Total Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Total Alkalinity		36	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Total Dissolved Solids		92	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Total Dissolved Solids		100	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Total Hardness		40200	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Total Hardness		41500	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Total Suspended Solids	B	1.8	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Total Suspended Solids		2.0	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Turbidity		5.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Turbidity		6.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750-015	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750-013	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	MER-002	DUPS--001	2	Tier 1	874750013	Zinc, total		4.2	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	MER-002	MERS-002	1	Tier 1	874750015	Zinc, total		6.2	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Aluminum, total		19.1	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Antimony, total	J	0.089	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Arsenic, total		1.9	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Barium, total		11.9	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Bicarbonate Alkalinity		49	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Boron, total		13.8	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Calcium, total		16500	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Chloride		13	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Chromium, total		0.38	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Cobalt, total		0.22	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Copper, total		0.33	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MER-003	1	Tier 1	MERS-003	Dissolved Oxygen		5			mg/L					Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-003	MER-003	1	Tier 1	MER-003	Flow		8.3			cfs					Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Gross Alpha		-0.325			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Gross Beta		1.24			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Iron, total		1570	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Lead, total	J	0.054	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Lithium, total		1.1	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Magnesium, total		5280	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Manganese, total		49	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Mercury - low level		1.51	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Molybdenum, total		0.53	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Nickel, total		0.83	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MER-003	1	Tier 1	MERS-003	pH		7.5			S.U.					Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Potassium, total		1240	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Selenium, total	J	0.19	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Sodium, total		7690	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MER-003	1	Tier 1	MERS-003	Specific Conductance		148			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Sulfate		13	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MER-003	1	Tier 1	MERS-003	Temperature		17			Celcius					Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	TOC as NPOC		4.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	TOC as NPOC - Dissolved		4.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Total Alkalinity		49	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Total Hardness		62900	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Total Suspended Solids	B	1.3	0.4	1.7	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Turbidity		5.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246-001	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	MER-003	MERS-003	1	Tier 1	875246001	Zinc, total		2.8	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	Trip Blank	TBKS-001	1	Tier 1	874750-018	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	Trip Blank	TBKS-001	1	Tier 1	874750-018	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	Trip Blank	TBKS-001	1	Tier 1	874750-018	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	Trip Blank	TBKS-001	1	Tier 1	874750-018	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	Trip Blank	TBKS-001	1	Tier 1	874750-018	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Aluminum, total		300	8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Antimony, total	J	0.064	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Arsenic, total		1.8	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Barium, total		11.8	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Beryllium, total	J	0.022	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Bicarbonate Alkalinity		11	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Boron, total		7.6	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Calcium, total		4850	30		ug/L			EPA 3020	EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Chloride		8.2	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Chromium, total		0.86	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Cobalt, total		0.42	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	COD		140	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Copper, total		0.98	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBR-001	1	Tier 1	WBRS-001	Dissolved Oxygen		4.5			mg/L					Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/7/2006	WBR-001	WBR-001	1	Tier 1	WBR-001	Flow		0.03			cfs					Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Gross Alpha		1.28			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Gross Beta		2.58			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Iron, total		2370	105		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Lead, total		0.89	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Lithium, total		0.7	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Magnesium, total		1900	1.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Manganese, total		113	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Mercury - low level		11.7	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Molybdenum, total		0.11	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Nickel, total		1.2	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Nitrogen, Ammonia		0.85	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Nitrogen, Nitrate	B	0.12	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBR-001	1	Tier 1	WBRS-001	pH		6.4			S.U.					Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Potassium, total		288	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Selenium, total	J	0.17	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Sodium, total		3970	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBR-001	1	Tier 1	WBRS-001	Specific Conductance		65			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Sulfate		5.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBR-001	1	Tier 1	WBRS-001	Temperature		16			Celcius					Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	TOC as NPOC		34	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	TOC as NPOC - Dissolved		21	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Total Alkalinity		11	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Total Dissolved Solids		280	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Total Hardness		19900	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Total Suspended Solids		4.4	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Turbidity		4.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750-001	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-001	WBRS-001	1	Tier 1	874750001	Zinc, total		9	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Aluminum, total		34.3	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Arsenic, total		5.6	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Barium, total		10.8	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Beryllium, total	J	0.022	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Bicarbonate Alkalinity		30	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Boron, total		17.6	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Calcium, total		7930	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Chloride		31	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Chromium, total	J	0.27	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Cobalt, total		0.5	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	COD		83	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Copper, total		0.55	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBR-002	1	Tier 1	WBRS-002	Dissolved Oxygen		3			mg/L					Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/8/2006	WBR-002	WBR-002	1	Tier 1	WBR-002	Flow		<0.1			cfs					Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Fluoride	B	0.21	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Gross Alpha		3.76			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Gross Beta		3.64			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Iron, total		5160	105		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Lead, total		0.12	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Lithium, total		1.4	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Magnesium, total		4100	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Manganese, total		429	0.8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Mercury - low level		3.43	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Molybdenum, total		0.41	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Nickel, total		1.4	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Nitrogen, Ammonia		0.36	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBR-002	1	Tier 1	WBRS-002	pH		6.7			S.U.					Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Potassium, total		1380	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Sodium, total		16600	550		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBR-002	1	Tier 1	WBRS-002	Specific Conductance		197			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Sulfate	B	3.6	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBR-002	1	Tier 1	WBRS-002	Temperature		21			Celcius					Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	TOC as NPOC		15	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	TOC as NPOC - Dissolved		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Total Alkalinity		30	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Total Hardness		36700	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Total Suspended Solids		120	2.4	10	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Turbidity		110	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750-003	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-002	WBRS-002	1	Tier 1	874750003	Zinc, total		3.8	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Aluminum, total		25.5	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Arsenic, total		3.1	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Barium, total		15.3	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Beryllium, total	J	0.02	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Bicarbonate Alkalinity		60	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Boron, total		24.7	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Calcium, total		14700	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Chloride		14	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Chromium, total	J	0.28	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Cobalt, total		0.6	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	COD		92	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Copper, total		0.23	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBR-003	1	Tier 1	WBRS-003	Dissolved Oxygen		5			mg/L					Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/8/2006	WBR-003	WBR-003	1	Tier 1	WBR-003	Flow		0.1			cfs					Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Fluoride	B	0.26	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Gross Alpha		1.18			pCi/L					Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Gross Beta		1.96			pCi/L					Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Iron, total		10800	105		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Lead, total	J	0.064	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Lithium, total		1.9	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Magnesium, total		6170	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Manganese, total		1100	8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Mercury - low level		2.23	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Molybdenum, total		0.2	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Nickel, total		1	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Nitrogen, Ammonia		0.32	0.2	0.2	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Nitrogen, NO3 + NO2	U	<0.11	0.11	0.25	mg/L	1		EPA 353.2	EPA 353.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBR-003	1	Tier 1	WBRS-003	pH		6.8			S.U.					Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Potassium, total		632	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Selenium, total	J	0.13	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Sodium, total		8240	55		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBR-003	1	Tier 1	WBRS-003	Specific Conductance		187			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Sulfate		6.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBR-003	1	Tier 1	WBRS-003	Temperature		18			Celcius					Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	TOC as NPOC		15	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	TOC as NPOC - Dissolved		14	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Total Alkalinity		60	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Total Dissolved Solids		260	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Total Hardness		62100	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Total Petroleum Hydrocarbons		<5	5		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Total Suspended Solids		15	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Turbidity		59	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750-005	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/3/2006	WBR-003	WBRS-003	1	Tier 1	874750005	Zinc, total		5.4	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Aluminum, total		15.8	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Arsenic, total		0.85	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Barium, total		9.4	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Benzene	U	<0.41	0.41	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Bicarbonate Alkalinity		98	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Boron, total		59.3	0.57		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Calcium, total		21900	300		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Chromium, total	J	0.2	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Cobalt, total		0.14	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Copper, total		0.25	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLD-001	1	Tier 1	WLDS-001	Dissolved Oxygen		5			mg/L					Field	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Ethylbenzene	U	<0.54	0.54	1	ug/l	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Fluoride	B	0.47	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Gross Alpha		0.463			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Gross Beta		2.12			pCi/L					Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Iron, total		2190	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Lead, total		0.15	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Lithium, total		2.8	0.047		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Magnesium, total		10800	6.5		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Manganese, total		314	0.8		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Mercury - low level		0.738	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Molybdenum, total		0.68	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Nickel, total		0.3	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Nitrogen, Ammonia	B	0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLD-001	1	Tier 1	WLDS-001	pH		7.4			S.U.					Field	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Potassium, total		1490	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Sodium, total		1790	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLD-001	1	Tier 1	WLDS-001	Specific Conductance		178			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Sulfate	B	3.3	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLD-001	1	Tier 1	WLDS-001	Temperature		20			Celcius					Field	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	TOC as NPOC		6.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	TOC as NPOC - Dissolved		6.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Toluene	U	<0.67	0.67	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Total Alkalinity		98	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Total Hardness		99200	5900		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Total Suspended Solids		7.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Turbidity		10	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	Xylenes, m + p	U	<1.8	1.8	2	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246-003	xylenes, o	U	<0.83	0.83	1	ug/L	1		SW846 5030B	SW846 8260B	VOC	SW
8/3/2006	8/17/2006	WLD-001	WLDS-001	1	Tier 1	875246003	Zinc, total		4.5	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Aluminum		9.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Antimony	J	0.053	0.039	0.13	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Arsenic		0.17	0.035	0.12	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Barium		9.8	0.033	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Beryllium	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Bicarbonate Alkalinity		22	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Boron		13	0.17	0.57	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Cadmium	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Calcium		6090	9	30	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Carbonate Alkalinity	U	<3.7	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Chloride	B	2.4	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Chromium	J	0.16	0.091	0.3	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Cobalt		0.096	0.0087	0.029	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	COD	B	12	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Copper		0.18	0.026	0.087	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLD-002	1	Tier 1	WLDS-002E	Dissolved Oxygen		6			mg/L					Field	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Gross Alpha		-0.063		1.39	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Gross Beta		0.816		1.71	pCi/L				EPA 900.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Iron		2370	31.5	105	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Lead	J	0.063	0.03	0.1	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Lithium		0.27	0.014	0.047	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Magnesium		1260	0.38	1.3	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Manganese		19.4	0.047	0.16	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Mercury - low level		0.690	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Molybdenum	J	0.072	0.034	0.11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Nickel		0.14	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLD-002	1	Tier 1	WLDS-002E	pH		6.8			S.U.					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Potassium		243	9.1	30	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Selenium	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Silver	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Sodium		410	3.4	11	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLD-002	1	Tier 1	WLDS-002E	Specific Conductance		40			umhos/cm @25 degrees C					Field	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Sulfate	B	1.3	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLD-002	1	Tier 1	WLDS-002E	Temperature		13			Celcius					Field	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	TOC as NPOC		9.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	TOC as NPOC - Dissolved		7.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Total Alkalinity		22	3.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Total Dissolved Solids		36	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Total Hardness		20400	178	590	ug/L				EPA 6020	Metal	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.1	mg/L				EPA 1664 TPH	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Total Suspended Solids	B	3.6	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Turbidity		5.2	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	9/13/2006	WLD-002	WLDS-002E	1	Tier 1	876048004	Zinc		2.8	0.3	1	ug/L				EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Aluminum, total		6.9	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Aluminum, total		7.1	1.6		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Antimony, total		<0.13	0.13		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Arsenic, total		0.38	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Arsenic, total		0.38	0.12		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Barium, total		8.5	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Barium, total		8.3	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Beryllium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Bicarbonate Alkalinity		21	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Bicarbonate Alkalinity		24	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Boron, total		10.3	1.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Boron, total		10.8	1.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Cadmium, total		<0.057	0.057		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Calcium, total		6720	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Calcium, total		6370	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Carbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Carbonate Alkalinity	U	<3.7	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Chloride	B	3.0	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Chloride	B	3.0	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Chromium, total	J	0.22	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Chromium, total		0.35	0.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Cobalt, total		0.039	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Cobalt, total		0.043	0.029		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	COD		31	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	COD		28	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Copper, total		0.12	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Copper, total		0.12	0.087		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLD-003	1	Tier 1	WLDS-003E	Dissolved Oxygen		8			mg/L					Field	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Fluoride	B	0.22	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Fluoride	B	0.22	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Gross Alpha		0.039			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Gross Alpha		-0.114			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Gross Beta		1.45			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Gross Beta		1.33			pCi/L					Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Iron, total		846	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Iron, total		887	21		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Lead, total	J	0.046	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Lead, total		<0.1	0.1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Lithium, total		0.26	0.094		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Lithium, total		0.25	0.094		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Magnesium, total		1630	1.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Magnesium, total		1660	1.3		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Manganese, total		40.4	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Manganese, total		40.2	0.16		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Mercury - low level		0.741	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Mercury - low level		0.543	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Molybdenum, total		<0.11	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Molybdenum, total		<0.11	0.11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Nickel, total		0.15	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Nickel, total		0.2	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Nitrogen, Ammonia	B	0.24	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Nitrogen, Ammonia	B	0.25	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLD-003	1	Tier 1	WLDS-003E	pH		7.6			S.U.					Field	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Potassium, total		414	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Potassium, total		411	30		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Selenium, total	J	0.12	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Selenium, total		<0.4	0.4		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Silver, total		<0.14	0.14		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Sodium, total		709	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Sodium, total		725	11		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLD-003	1	Tier 1	WLDS-003E	Specific Conductance		47			umhos/cm @25 degrees C					Field	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Sulfate	B	2.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Sulfate	B	2.8	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLD-003	1	Tier 1	WLDS-003E	Temperature		22			Celcius					Field	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	TOC as NPOC		8.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	TOC as NPOC		8.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	TOC as NPOC - Dissolved		8.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	TOC as NPOC - Dissolved		9.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Total Alkalinity		24	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Total Alkalinity		21	3.7	5	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Total Dissolved Solids		50	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Total Dissolved Solids		46	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Total Hardness		23500	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Total Hardness		22700	590		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Total Petroleum Hydrocarbons	J	3.7	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Total Petroleum Hydrocarbons		<5.1	5.1		mg/L			EPA 1664 TPH	EPA 1664 TPH	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Total Suspended Solids		2.6	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Total Suspended Solids		2.3	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Turbidity		5.7	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Turbidity		3.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Zinc, total		1.9	1		ug/L				EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	DUPS001	2	Tier 1	875433005	Zinc, total		1.9	1		ug/L			EPA 3020	EPA 6020	Metal	SW
8/3/2006	8/23/2006	WLD-003	WLDS-003E	1	Tier 1	875433007	Zinc, total		1.7	1		ug/L			EPA 3020	EPA 6020	Metal	SW
9/12/2006	9/12/2006	EBR-001		1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
9/12/2006	9/12/2006	EBR-001		1	Tier 1		Flow		<2.0			cfs					Field	SW
9/12/2006	9/12/2006	EBR-001		1	Tier 1		pH		7.7			S.U.					Field	SW
9/12/2006	9/12/2006	EBR-001		1	Tier 1		Specific Conductance		244			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	EBR-001		1	Tier 1		Temperature		13			Celcius					Field	SW
9/12/2006	9/12/2006	MBR-001		1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
9/12/2006	9/12/2006	MBR-001		1	Tier 1		Flow		0.1			cfs					Field	SW
9/12/2006	9/12/2006	MBR-001		1	Tier 1		pH		7.9			S.U.					Field	SW
9/12/2006	9/12/2006	MBR-001		1	Tier 1		Specific Conductance		134			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	MBR-001		1	Tier 1		Temperature		10			Celcius					Field	SW
9/12/2006	9/12/2006	MER-001		1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
9/12/2006	9/12/2006	MER-001		1	Tier 1		Flow		6.6			cfs					Field	SW
9/12/2006	9/12/2006	MER-001		1	Tier 1		pH		7.8			S.U.					Field	SW
9/12/2006	9/12/2006	MER-001		1	Tier 1		Specific Conductance		113			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	MER-001		1	Tier 1		Temperature		13			Celcius					Field	SW
9/12/2006	9/12/2006	MER-002		1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
9/12/2006	9/12/2006	MER-002		1	Tier 1		Flow		7.0			cfs					Field	SW
9/12/2006	9/12/2006	MER-002		1	Tier 1		pH		7.6			S.U.					Field	SW
9/12/2006	9/12/2006	MER-002		1	Tier 1		Specific Conductance		68			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	MER-002		1	Tier 1		Temperature		14			Celcius					Field	SW
9/12/2006	9/12/2006	MER-003		1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
9/12/2006	9/12/2006	MER-003		1	Tier 1		Flow		9.1			cfs					Field	SW
9/12/2006	9/12/2006	MER-003		1	Tier 1		pH		7.7			S.U.					Field	SW
9/12/2006	9/12/2006	MER-003		1	Tier 1		Specific Conductance		159			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	MER-003		1	Tier 1		Temperature		14			Celcius					Field	SW
9/12/2006	9/12/2006	WBR-001		1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
9/12/2006	9/12/2006	WBR-001		1	Tier 1		Flow		0.04			cfs					Field	SW
9/12/2006	9/12/2006	WBR-001		1	Tier 1		pH		7.0			S.U.					Field	SW
9/12/2006	9/12/2006	WBR-001		1	Tier 1		Specific Conductance		66			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	WBR-001		1	Tier 1		Temperature		10			Celcius					Field	SW
9/12/2006	9/12/2006	WBR-002		1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
9/12/2006	9/12/2006	WBR-002		1	Tier 1		Flow		0.1			cfs					Field	SW
9/12/2006	9/12/2006	WBR-002		1	Tier 1		pH		7.4			S.U.					Field	SW
9/12/2006	9/12/2006	WBR-002		1	Tier 1		Specific Conductance		150			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	WBR-002		1	Tier 1		Temperature		15			Celcius					Field	SW
9/12/2006	9/12/2006	WBR-003		1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
9/12/2006	9/12/2006	WBR-003		1	Tier 1		Flow		0.04			cfs					Field	SW
9/12/2006	9/12/2006	WBR-003		1	Tier 1		pH		7.4			S.U.					Field	SW
9/12/2006	9/12/2006	WBR-003		1	Tier 1		Specific Conductance		77			umhos/cm @25 degrees C					Field	SW
9/12/2006	9/12/2006	WBR-003		1	Tier 1		Temperature		12			Celcius					Field	SW
9/12/2006	9/12/2006	WLD-001NW	WLD-001	1	Tier 1		Flow		0.0			cfs					Field	SW
9/12/2006	9/12/2006	WLD-001SE	WLD-001	1	Tier 1		Flow		0.0			cfs					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Aluminum, total		24.3	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Antimony, total	J	0.053	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Arsenic, total		0.61	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Barium, total		10.5	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Bicarbonate Alkalinity		120	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Boron, total		20.4	0.85	2.8	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Calcium, total		27800	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

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EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Chloride	B	3.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Chromium, total	J	0.18	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Cobalt, total		0.12	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	COD		24	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Copper, total		0.32	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	EBR-001	EBR-001	1	Tier 1		Flow	J	<3.0			cfs					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Fluoride	B	0.37	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Gross Alpha		0.701			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Gross Beta		2.88			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Iron, total		477	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Lead, total	J	0.048	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Lithium, total		1.2	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Magnesium, total		12300	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Manganese, total		87.8	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Mercury - low level		1.23	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Molybdenum, total		1.9	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Nickel, total		1.1	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	EBR-001	EBR-001	1	Tier 1		pH		7.4			S.U.					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1		pH		7.2			S.U.					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Potassium, total		2320	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Sodium, total		2390	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	EBR-001	EBR-001	1	Tier 1		Specific Conductance		222			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1		Specific Conductance		245			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Sulfate		8.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	EBR-001	EBR-001	1	Tier 1		Temperature		10			Celcius					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1		Temperature		12			Celcius					Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	TOC as NPOC		8.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	TOC as NPOC - Dissolved		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Total Alkalinity		120	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Total Dissolved Solids		160	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Total Hardness		120000	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Total Suspended Solids		1.0	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Turbidity		1.7	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Vanadium, total		0.5	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	EBR-001	EBRS-001	1	Tier 1	876839005	Zinc, total		2.5	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	EQB-001	EQBS-001	1	Tier 1	876839-016	TOC as NPOC - Dissolved	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Aluminum, total		11.4	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Arsenic, total	U	<0.035	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Barium, total	J	0.052	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Bicarbonate Alkalinity	B	4.4	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Boron, total		190	0.17	0.57	ug/L				EPA 6020	Metal	SW

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10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Calcium, total		24.1	1.8	6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Chloride	B	2.7	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Chromium, total	J	0.14	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Cobalt, total	J	0.0089	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Copper, total		2	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Gross Alpha		0.503			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Gross Beta		-0.002			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Iron, total	J	16.5	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Lead, total		0.2	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Lithium, total	U	<0.014	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Magnesium, total		1.4	0.38	1.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Manganese, total	J	0.055	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Mercury - low level	U	<0.169	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Molybdenum, total	U	<0.034	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Nickel, total		0.24	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Potassium, total	U	<9.1	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Sodium, total		1310	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Sulfate	B	2.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-015	TOC as NPOC - Dissolved	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Total Alkalinity	B	4.4	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Total Hardness	J	66	35.5	118	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Total Petroleum Hydrocarbons	J	2.5	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Total Suspended Solids	U	<0.24	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Vanadium, total		0.46	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839-011	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Field Blank	FBKS-001	1	Tier 1	876839011	Zinc, total		3.3	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Aluminum, total		11.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Aluminum, total		12.4	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Antimony, total		32.5	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Antimony, total		7.9	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Arsenic, total		0.83	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Arsenic, total		0.33	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Barium, total		8.9	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Barium, total		7.1	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Bicarbonate Alkalinity		94	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Bicarbonate Alkalinity		140	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Boron, total		139	0.17	0.57	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Boron, total		83.5	0.17	0.57	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Cadmium, total		0.091	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Cadmium, total	J	0.021	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Calcium, total		49800	45	150	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Calcium, total		46900	45	150	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Chloride		20	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Chloride		11	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Chromium, total		0.39	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Chromium, total	J	0.16	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Cobalt, total		3.1	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Cobalt, total		17.4	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Copper, total		1.7	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Copper, total		3	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1		Dissolved Oxygen		<1			mg/L					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Fluoride	B	0.32	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Gross Alpha		4.39			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Gross Alpha		5.63			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Gross Beta		13			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Gross Beta		5.84			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Iron, total		189	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Iron, total		53.8	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Lead, total		0.11	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Lead, total	J	0.07	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Lithium, total		3.5	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Lithium, total		3.8	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Magnesium, total		23600	9.5	32.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Magnesium, total		28300	9.5	32.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Manganese, total		1240	1.2	4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Manganese, total		69.7	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Mercury - low level	B	0.296	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Mercury - low level	B	0.290	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Molybdenum, total		45.5	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Molybdenum, total		11.4	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Nickel, total		8.4	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Nickel, total		214	1.1	3.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Nitrogen, Ammonia		2.5	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Nitrogen, Nitrate		1.8	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Nitrogen, Nitrate		2.7	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Nitrogen, Nitrite		0.13	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1		pH		8.3			S.U.					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1		pH		7.4			S.U.					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Potassium, total		8620	228	750	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Potassium, total		18100	228	750	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Selenium, total	J	0.29	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Selenium, total	J	0.26	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Silver, total	J	0.069	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Sodium, total		13900	85	275	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Sodium, total		27800	85	275	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1		Specific Conductance		508			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1		Specific Conductance		680			umhos/cm @25 degrees C					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Sulfate		130	1.5	8	mg/L	2		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Sulfate		160	3.9	20	mg/L	5		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1		Temperature		13			Celcius					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1		Temperature		5.5			Celcius					Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	TOC as NPOC		2.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	TOC as NPOC		2.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	TOC as NPOC - Dissolved		2.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	TOC as NPOC - Dissolved		2.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Total Alkalinity		140	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Total Alkalinity		94	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Total Dissolved Solids		420	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Total Dissolved Solids		300	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Total Hardness		241000	888	2950	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Total Hardness		214000	888	2950	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Total Petroleum Hydrocarbons	J	2.9	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Total Suspended Solids	U	<0.24	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Total Suspended Solids	B	0.41	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Turbidity	B	0.81	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Turbidity		1.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Vanadium, total		0.45	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Vanadium, total		0.37	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001E	1	Tier 1	876896005	Zinc, total		3.7	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	HMP-001	HMPS-001H	1	Tier 1	876896006	Zinc, total		5.1	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	HMP-002	HMP-002	1	Tier 1		Flow		0.0			cfs					Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Aluminum, total	B	33	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Antimony, total	U	<0.24	0.24	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Arsenic, total		1.6	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Barium, total		5.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Beryllium, total	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Bicarbonate Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Boron, total		90	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Cadmium, total	U	<0.14	0.14	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Calcium, total		22000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Chloride	B	3.7	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Chromium, total	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Cobalt, total	B	0.14	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	COD		21	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Copper, total	B	0.89	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Fluoride	B	0.45	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Iron, total		1400	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Lead, total	B	0.17	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Lithium, total		7.8	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Magnesium, total		14000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Manganese, total		24	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Mercury - low level		1.42	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Molybdenum, total	B	4.3	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Nickel, total		1.5	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1		pH		7.9			S.U.					Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Potassium, total		4000	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Selenium, total	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Silver, total	B	0.04	0.034	5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Sodium, total		960	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1		Specific Conductance		214			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Sulfate		15	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1		Temperature		13			Celcius					Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Thallium, total	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	TOC as NPOC		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	TOC as NPOC - Dissolved		9.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Total Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Total Hardness		110000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Total Suspended Solids		6.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Turbidity		7.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Vanadium, total	B	0.57	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	HTP-001	HTPS-001E	1	Tier 1	876970-001	Zinc, total	B	2.1	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Aluminum, total		15.6	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Arsenic, total		1	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Barium, total		6.2	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Bicarbonate Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Boron, total		29.1	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Calcium, total		11600	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Chloride	B	2.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Chromium, total	J	0.25	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Cobalt, total		0.11	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	COD		24	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Copper, total		0.14	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Fluoride	B	0.28	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Gross Alpha		0.155			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Gross Beta		1.39			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Iron, total		436	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Lead, total	J	0.053	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Lithium, total		2.4	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Magnesium, total		5450	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Manganese, total		34.1	0.047	0.16	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Mercury - low level		0.812	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Molybdenum, total		0.76	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Nickel, total		1.5	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1		pH		9.2			S.U.					Field	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Potassium, total		1380	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Sodium, total		1250	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1		Specific Conductance		93			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Sulfate	B	3.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1		Temperature		14			Celcius					Field	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	TOC as NPOC		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	TOC as NPOC - Dissolved		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Total Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Total Dissolved Solids		60	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Total Hardness		51500	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Total Suspended Solids		5.2	0.59	2.5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Turbidity		5.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Vanadium, total		0.49	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839-014	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	HTP-002	HTPS-002E	1	Tier 1	876839014	Zinc, total		1.5	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Aluminum, total		20.5	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Aluminum, total		19.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Antimony, total	J	0.079	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Antimony, total	J	0.089	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Arsenic, total		0.76	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Arsenic, total		0.71	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Barium, total		3	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Barium, total		2.9	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Beryllium, total	J	0.018	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Bicarbonate Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Bicarbonate Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Boron, total		11	0.17	0.57	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Boron, total		10.7	0.17	0.57	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Calcium, total		7760	45	150	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Calcium, total		7520	45	150	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Chloride	B	3.0	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Chloride	B	2.5	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Chromium, total	J	0.19	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Chromium, total	J	0.18	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Cobalt, total		0.049	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Cobalt, total		0.05	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	COD		24	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Copper, total		0.46	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Copper, total		0.47	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Gross Alpha		0.421			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Gross Alpha		0.433			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Gross Beta		1.15			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Gross Beta		1.53			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Iron, total		426	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Iron, total		426	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Lead, total		0.11	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Lead, total		0.13	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Lithium, total		1.1	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Lithium, total		1.1	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Magnesium, total		3510	9.5	32.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Magnesium, total		3550	9.5	32.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Manganese, total		126	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Manganese, total		128	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Mercury - low level		0.700	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Mercury - low level		0.681	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Molybdenum, total		0.88	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Molybdenum, total		0.87	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Nickel, total		1.2	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Nickel, total		1.2	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1		pH		7.5			S.U.					Field	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Potassium, total		1120	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Potassium, total		1130	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Selenium, total	J	0.16	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Silver, total	J	0.062	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Sodium, total		946	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Sodium, total		955	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1		Specific Conductance		72			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Sulfate		4.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Sulfate		4.1	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1		Temperature		14			Celcius					Field	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	TOC as NPOC		7.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	TOC as NPOC		8.4	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	TOC as NPOC - Dissolved		7.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	TOC as NPOC - Dissolved		8.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Total Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Total Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Total Dissolved Solids		40	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Total Dissolved Solids		38	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Total Hardness		33400	888	2950	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Total Hardness		33800	888	2950	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Total Suspended Solids		1.4	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Total Suspended Solids		1.4	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Turbidity		3.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Turbidity		2.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Vanadium, total		0.48	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Vanadium, total		0.48	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-001	LKLS-001E	1	Tier 1	876896004	Zinc, total		2.7	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-001	DUPS--002	2	Tier 1	876896002	Zinc, total		3.4	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Aluminum, total		20.5	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Antimony, total	J	0.071	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Arsenic, total		0.76	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Barium, total		3	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Bicarbonate Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Boron, total		10.9	0.17	0.57	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Calcium, total		7680	45	150	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Chloride	B	2.5	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Chromium, total	J	0.16	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Cobalt, total		0.053	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	COD	B	15	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Copper, total		0.45	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Gross Alpha		0.372			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Gross Beta		0.309			pCi/L					Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Iron, total		440	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Lead, total		0.1	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Lithium, total		1.1	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Magnesium, total		3470	9.5	32.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Manganese, total		139	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Mercury - low level		0.633	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Molybdenum, total		0.87	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Nickel, total		1.3	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1		pH		7.5			S.U.					Field	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Potassium, total		1120	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Sodium, total		981	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1		Specific Conductance		72			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Sulfate		4.1	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1		Temperature		13			Celcius					Field	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	TOC as NPOC		5.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	TOC as NPOC - Dissolved		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Total Alkalinity		33	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Total Dissolved Solids		36	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Total Hardness		33500	888	2950	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Total Suspended Solids		1.6	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Turbidity		3.2	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Vanadium, total		0.49	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	LKL-002	LKLS-002E	1	Tier 1	876896003	Zinc, total		3.6	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Aluminum, total		16.1	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Aluminum, total		15.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Antimony, total	J	0.045	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Arsenic, total		0.52	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Arsenic, total		0.54	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Barium, total		7.4	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Barium, total		7.6	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Bicarbonate Alkalinity		39	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Bicarbonate Alkalinity		39	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Boron, total		15.6	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Boron, total		15.6	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Calcium, total		12000	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Calcium, total		12200	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Chloride		24	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Chloride		22	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Chromium, total	J	0.15	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Chromium, total	J	0.17	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Cobalt, total		0.074	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Cobalt, total		0.071	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	COD	B	12	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Copper, total		0.31	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Copper, total		0.19	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	MBR-001	MBR-001	1	Tier 1		Flow		0.2			cfs					Field	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Fluoride	B	0.27	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Gross Alpha		0.588			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Gross Alpha		0.743			pCi/L					Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Gross Beta		2.13			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Gross Beta		1.98			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Iron, total		808	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Iron, total		841	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Lead, total	J	0.041	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Lead, total	J	0.038	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Lithium, total		1.3	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Lithium, total		1.3	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Magnesium, total		5710	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Magnesium, total		5940	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Manganese, total		33.8	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Manganese, total		39.8	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Mercury - low level		0.807	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Mercury - low level		0.724	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Molybdenum, total		0.42	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Molybdenum, total		0.43	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Nickel, total		0.69	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Nickel, total		0.55	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	MBR-001	MBR-001	1	Tier 1		pH		7.5			S.U.					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1		pH		7.3			S.U.					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Potassium, total		1150	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Potassium, total		1170	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Selenium, total	J	0.15	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Selenium, total	J	0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Silver, total	J	0.11	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Sodium, total		11100	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Sodium, total		11800	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MBR-001	MBR-001	1	Tier 1		Specific Conductance		159			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1		Specific Conductance		173			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Sulfate		6.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Sulfate		6.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	MBR-001	MBR-001	1	Tier 1		Temperature		8			Celcius					Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1		Temperature		9.7			Celcius					Field	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	TOC as NPOC		8.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	TOC as NPOC		8.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	TOC as NPOC - Dissolved		6.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	TOC as NPOC - Dissolved		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Total Alkalinity		39	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Total Alkalinity		39	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Total Hardness		55000	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Total Hardness		53600	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Total Petroleum Hydrocarbons		9.1	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Total Suspended Solids	B	0.70	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Total Suspended Solids	B	0.50	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Turbidity		4.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Turbidity		4.2	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Vanadium, total		0.47	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Vanadium, total		0.5	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MBR-001	DUPS-001	2	Tier 1	876839007	Zinc, total		1.9	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MBR-001	MBRS-001	1	Tier 1	876839001	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Aluminum, total		24.1	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Arsenic, total		1.3	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Barium, total		8.7	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Bicarbonate Alkalinity		44	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Boron, total		9.6	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Calcium, total		13400	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Chloride		11	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Chromium, total	J	0.22	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Cobalt, total		0.088	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Copper, total		0.23	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	MER-001	MER-001	1	Tier 1		Flow		6.7			cfs					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Gross Alpha		0.4			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Gross Beta		-0.01			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Iron, total		1030	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Lead, total	J	0.049	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Lithium, total		0.86	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Magnesium, total		4220	0.76	2.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Manganese, total		54.7	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Mercury - low level		1.04	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Molybdenum, total		0.31	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Nickel, total		0.47	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	MER-001	MER-001	1	Tier 1		pH		7.6			S.U.					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1		pH		7.3			S.U.					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Potassium, total		893	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Sodium, total		5860	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-001	MER-001	1	Tier 1		Specific Conductance		125			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1		Specific Conductance		136			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Sulfate		6.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	MER-001	MER-001	1	Tier 1		Temperature		11			Celcius					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1		Temperature		11			Celcius					Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	TOC as NPOC		4.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	TOC as NPOC - Dissolved		4.4	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Total Alkalinity		44	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Total Dissolved Solids		76	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Total Hardness		50800	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Total Suspended Solids		1.5	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Turbidity		4.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Vanadium, total		0.82	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839-008	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-001	MERS-001	1	Tier 1	876839008	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Aluminum, total		25.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Arsenic, total		1.8	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Barium, total		12.4	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Bicarbonate Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Boron, total		12.3	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Calcium, total		16100	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Chloride		13	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Chromium, total	J	0.17	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Cobalt, total		0.4	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Copper, total		0.26	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	MER-002	MER-002	1	Tier 1		Flow		8.5			cfs					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Gross Alpha		0.384			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Gross Beta		1.42			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Iron, total		1560	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Lead, total	J	0.045	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Lithium, total		0.95	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Magnesium, total		4720	0.76	2.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Manganese, total		157	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Mercury - low level		1.15	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Molybdenum, total		0.4	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Nickel, total		0.71	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	MER-002	MER-002	1	Tier 1		pH		7.1			S.U.					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1		pH		7.1			S.U.					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Potassium, total		1100	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Selenium, total	J	0.13	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Sodium, total		7610	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-002	MER-002	1	Tier 1		Specific Conductance		143			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1		Specific Conductance		153			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Sulfate		11	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	MER-002	MER-002	1	Tier 1		Temperature		12			Celcius					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1		Temperature		12			Celcius					Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	TOC as NPOC		4.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	TOC as NPOC - Dissolved		6.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Total Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Total Hardness		59800	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Total Suspended Solids		1.8	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Turbidity		5.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Vanadium, total		0.93	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839-009	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-002	MERS-002	1	Tier 1	876839009	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Aluminum, total		26.2	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Antimony, total	J	0.088	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Arsenic, total		1.8	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Barium, total		13	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Bicarbonate Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Boron, total		13.4	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Calcium, total		17300	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Chloride		15	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Chromium, total	J	0.19	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Cobalt, total		0.42	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	COD	U	<10	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Copper, total		0.34	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		10			mg/L					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	MER-003	MER-003	1	Tier 1		Flow		8.6			cfs					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Gross Alpha		0.523			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Gross Beta		0.843			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Iron, total		1550	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Lead, total	J	0.049	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Lithium, total		1	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Magnesium, total		5100	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Manganese, total		163	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Mercury - low level		1.27	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Molybdenum, total		0.47	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Nickel, total		0.9	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	MER-003	MER-003	1	Tier 1		pH		7.4			S.U.					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1		pH		7.2			S.U.					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Potassium, total		1250	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Selenium, total	J	0.14	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Sodium, total		14400	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	MER-003	MER-003	1	Tier 1		Specific Conductance		154			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1		Specific Conductance		176			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Sulfate		12	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	MER-003	MER-003	1	Tier 1		Temperature		12			Celcius					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1		Temperature		12			Celcius					Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	TOC as NPOC		5.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	TOC as NPOC - Dissolved		4.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Total Alkalinity		50	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Total Hardness		64100	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Total Suspended Solids		2.8	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Turbidity		7.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Vanadium, total		0.99	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839-010	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	MER-003	MERS-003	1	Tier 1	876839010	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	Trip Blank-1	TBKS-001	1	Tier 1	876839-012	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Trip Blank-1	TBKS-001	1	Tier 1	876839-012	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Trip Blank-1	TBKS-001	1	Tier 1	876839-012	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Trip Blank-1	TBKS-001	1	Tier 1	876839-012	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	Trip Blank-1	TBKS-001	1	Tier 1	876839-012	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	Trip Blank-2	TBKS-002	1	Tier 1	876896-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	Trip Blank-2	TBKS-002	1	Tier 1	876896-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	Trip Blank-2	TBKS-002	1	Tier 1	876896-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	Trip Blank-2	TBKS-002	1	Tier 1	876896-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/4/2006	Trip Blank-2	TBKS-002	1	Tier 1	876896-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Aluminum, total		135	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Antimony, total	J	0.049	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Arsenic, total		1.2	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Barium, total		9.8	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Bicarbonate Alkalinity		13	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Boron, total		9.4	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Calcium, total		6050	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Chloride		7.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Chromium, total		0.57	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Cobalt, total		0.21	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	COD		44	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Copper, total		0.56	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	WBR-001	WBR-001	1	Tier 1		Flow		0.02			cfs					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Gross Alpha		1.41			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Gross Beta		0.84			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Iron, total		1210	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Lead, total		0.32	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Lithium, total		0.81	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Magnesium, total		2470	0.38	1.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Manganese, total		46	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Mercury - low level		3.80	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Molybdenum, total	J	0.064	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Nickel, total		0.95	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	WBR-001	WBR-001	1	Tier 1		pH		5.9			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1		pH		5.9			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Potassium, total		592	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Sodium, total		4430	6.8	22	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-001	WBR-001	1	Tier 1		Specific Conductance		74			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1		Specific Conductance		74			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Sulfate		8.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	WBR-001	WBR-001	1	Tier 1		Temperature		7			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1		Temperature		8.4			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	TOC as NPOC		24	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	TOC as NPOC - Dissolved		20	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Total Alkalinity		13	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Total Hardness		25300	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Total Suspended Solids		19	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Turbidity		2.2	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Vanadium, total		0.8	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-001	WBRS-001	1	Tier 1	876839002	Zinc, total		81	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Aluminum, total		47.2	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Arsenic, total		3	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Barium, total		10.5	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Beryllium, total	J	0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Bicarbonate Alkalinity		26	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Boron, total		25.1	0.85	2.8	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Calcium, total		9110	9	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Chloride		33	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Chromium, total	J	0.29	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Cobalt, total		0.29	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	COD		24	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Copper, total		0.42	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	WBR-002	WBR-002	1	Tier 1		Flow		0.01			cfs					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Fluoride	B	0.25	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Gross Alpha		0.507			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Gross Beta		2.4			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Iron, total		3930	31.5	105	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Lead, total	J	0.09	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Lithium, total		1.6	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Magnesium, total		5170	1.9	6.5	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Manganese, total		355	0.24	0.8	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Mercury - low level		0.947	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Molybdenum, total		0.23	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Nickel, total		1.1	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	WBR-002	WBR-002	1	Tier 1		pH		6.8			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1		pH		6.5			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Potassium, total		1880	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Sodium, total		19600	170	550	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-002	WBR-002	1	Tier 1		Specific Conductance		173			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1		Specific Conductance		189			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Sulfate		5.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	WBR-002	WBR-002	1	Tier 1		Temperature		10			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1		Temperature		12			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	TOC as NPOC		13	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	TOC as NPOC - Dissolved		13	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Total Alkalinity		26	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Total Hardness		44000	178	590	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Total Petroleum Hydrocarbons	J	4	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Total Suspended Solids		6.4	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Turbidity		21	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Vanadium, total		0.75	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-002	WBRS-002	1	Tier 1	876839003	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Aluminum, total		34.7	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Antimony, total	J	0.044	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Arsenic, total		1.2	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Barium, total		8.1	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Bicarbonate Alkalinity		54	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Boron, total		25	0.85	2.8	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Calcium, total		14700	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Chloride		14	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Chromium, total	J	0.14	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Cobalt, total		0.2	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	COD	B	15	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Copper, total		0.19	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/2/2006	WBR-003	WBR-003	1	Tier 1		Flow		0.08			cfs					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Fluoride	B	0.29	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Gross Alpha		0.257			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Gross Beta		1.2			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Iron, total		3060	31.5	105	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Lead, total	J	0.054	0.03	0.1	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Lithium, total		2	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Magnesium, total		7360	1.9	6.5	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Manganese, total		159	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Mercury - low level		0.747	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Molybdenum, total		0.16	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Nickel, total		0.66	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/2/2006	WBR-003	WBR-003	1	Tier 1		pH		6.9			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1		pH		6.9			S.U.					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Potassium, total		1060	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Silver, total	J	0.055	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Sodium, total		8740	17	55	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WBR-003	WBR-003	1	Tier 1		Specific Conductance		161			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1		Specific Conductance		176			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Sulfate		8.8	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/2/2006	WBR-003	WBR-003	1	Tier 1		Temperature		8			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1		Temperature		10			Celcius					Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	TOC as NPOC		7.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	TOC as NPOC - Dissolved		7.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Total Alkalinity		54	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Total Hardness		66900	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Total Suspended Solids		4.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Turbidity		15	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Vanadium, total		0.66	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WBR-003	WBRS-003	1	Tier 1	876839004	Zinc, total		5.2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Aluminum, total		11.9	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Arsenic, total		0.81	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Barium, total		9.1	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Bicarbonate Alkalinity		100	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Boron, total		52.9	0.17	0.57	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Calcium, total		21500	90	300	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Chromium, total	J	0.11	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Cobalt, total		0.17	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Copper, total		0.12	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Fluoride	B	0.49	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Gross Alpha		1.76			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Gross Beta		2.51			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Iron, total		2130	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Lead, total	J	0.039	0.03	0.1	ug/L				EPA 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Lithium, total		2.6	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Magnesium, total		10700	19	65	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Manganese, total		835	2.4	8	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Mercury - low level	B	0.338	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Molybdenum, total		0.78	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Nickel, total		0.31	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1		pH		7			S.U.					Field	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Potassium, total		2130	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Sodium, total		1630	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1		Specific Conductance		201			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Sulfate		4.5	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1		Temperature		13			Celcius					Field	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	TOC as NPOC		4.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	TOC as NPOC - Dissolved		6.0	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Total Alkalinity		100	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Total Hardness		97700	1780	5900	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Total Petroleum Hydrocarbons	U	<2.4	2.4	5.2	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Total Suspended Solids		5.4	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Turbidity		19	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Vanadium, total		0.45	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-001	WLDS-001	1	Tier 1	876839006	Zinc, total		2	0.3	1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/2/2006	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0.0			cfs					Field	SW
10/2/2006	10/2/2006	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0.0			cfs					Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Aluminum, total	B	21	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Antimony, total	U	<0.24	0.24	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Arsenic, total	B	0.27	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Barium, total		8.6	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Beryllium, total	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Bicarbonate Alkalinity		20	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Boron, total		25	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Cadmium, total	U	<0.14	0.14	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Calcium, total		5900	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Chloride	B	3.4	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Chromium, total	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Cobalt, total	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	COD	B	15	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Copper, total	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Fluoride	B	0.25	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Iron, total		1600	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Lead, total	B	0.07	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Lithium, total		0.25	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Magnesium, total		1400	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Manganese, total		11	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Mercury - low level		0.989	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Molybdenum, total	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Nickel, total	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Prepared by: ECB/SVF
Checked by: JSL

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1		pH		6.6			S.U.					Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Potassium, total	B	340	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Selenium, total	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Silver, total	U	<0.034	0.034	5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Sodium, total		530	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1		Specific Conductance		38			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Sulfate	B	1.8	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1		Temperature		11			Celcius					Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Thallium, total	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	TOC as NPOC		7.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	TOC as NPOC - Dissolved		6.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Total Alkalinity		20	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Total Dissolved Solids		48	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Total Hardness		20000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Total Suspended Solids		2.6	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Turbidity		3.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Vanadium, total	B	0.57	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/5/2006	WLD-002	WLDS-002E	1	Tier 1	876970-002	Zinc, total	B	4.2	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Aluminum, total		14.4	0.49	1.6	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Antimony, total	U	<0.039	0.039	0.13	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Arsenic, total		0.2	0.035	0.12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Barium, total		7	0.033	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Beryllium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Bicarbonate Alkalinity		22	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Boron, total		10.7	0.34	1.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Cadmium, total	U	<0.017	0.017	0.057	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Calcium, total		4630	3.6	12	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Chloride	B	2.3	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Chromium, total		0.41	0.091	0.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Cobalt, total		0.043	0.0087	0.029	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	COD	B	15	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Copper, total		0.19	0.026	0.087	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Fluoride	B	0.18	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Gross Alpha		0.335			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Gross Beta		0.852			pCi/L					Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Iron, total		490	6.3	21	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Lead, total	J	0.03	0.03	0.1	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Lithium, total		0.19	0.014	0.047	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Magnesium, total		1560	0.38	1.3	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Manganese, total		35.2	0.047	0.16	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Mercury - low level		0.638	0.169	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Molybdenum, total	U	<0.034	0.034	0.11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Nickel, total		0.28	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Nitrogen, Ammonia	U	<0.20	0.2	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Nitrogen, Nitrate	U	<0.20	0.2	0.7	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Nitrogen, Nitrite	U	<0.10	0.1	0.3	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1		pH		7.6			S.U.					Field	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Potassium, total		565	9.1	30	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Selenium, total	U	<0.12	0.12	0.4	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Silver, total	U	<0.043	0.043	0.14	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Sodium, total		720	3.4	11	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1		Specific Conductance		44			umhos/cm @25 degrees C					Field	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Sulfate	B	3.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1		Temperature		13			Celcius					Field	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Thallium, total	U	<0.02	0.02	0.067	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	TOC as NPOC		9.0	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	TOC as NPOC - Dissolved		8.4	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Total Alkalinity		22	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Total Dissolved Solids		30	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Total Hardness		18000	71	236	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Total Petroleum Hydrocarbons	U	<2.3	2.3	5.1	mg/L				EPA 1664 TPH	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Total Suspended Solids		1.5	0.24	1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Turbidity		1.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Vanadium, total		0.47	0.025	0.083	ug/L				EPA 6020	Metal	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839-013	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 M8021B	VOC	SW
10/2/2006	10/3/2006	WLD-003	WLDS-003E	1	Tier 1	876839013	Zinc, total		1.7	0.3	1	ug/L				EPA 6020	Metal	SW
11/1/2006	11/1/2006	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
11/1/2006	11/1/2006	EBR-001	EBR-001	1	Tier 1		Flow		NM			cfs					Field	SW
11/1/2006	11/1/2006	EBR-001	EBR-001	1	Tier 1		pH		7.4			S.U.					Field	SW
11/1/2006	11/1/2006	EBR-001	EBR-001	1	Tier 1		Specific Conductance		192			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	EBR-001	EBR-001	1	Tier 1		Temperature		0.8			Celcius					Field	SW
11/1/2006	11/1/2006	HMP-002	HMP-002	1	Tier 1		Flow		NM			cfs					Field	SW
11/1/2006	11/1/2006	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
11/1/2006	11/1/2006	MBR-001	MBR-001	1	Tier 1		Flow		0.4			cfs					Field	SW
11/1/2006	11/1/2006	MBR-001	MBR-001	1	Tier 1		pH		7.4			S.U.					Field	SW
11/1/2006	11/1/2006	MBR-001	MBR-001	1	Tier 1		Specific Conductance		186			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	MBR-001	MBR-001	1	Tier 1		Temperature		0.5			Celcius					Field	SW
11/1/2006	11/1/2006	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
11/1/2006	11/1/2006	MER-001	MER-001	1	Tier 1		Flow		10			cfs					Field	SW
11/1/2006	11/1/2006	MER-001	MER-001	1	Tier 1		pH		7.4			S.U.					Field	SW
11/1/2006	11/1/2006	MER-001	MER-001	1	Tier 1		Specific Conductance		92			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	MER-001	MER-001	1	Tier 1		Temperature		1.4			Celcius					Field	SW
11/1/2006	11/1/2006	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
11/1/2006	11/1/2006	MER-002	MER-002	1	Tier 1		Flow		11			cfs					Field	SW
11/1/2006	11/1/2006	MER-002	MER-002	1	Tier 1		pH		7.3			S.U.					Field	SW
11/1/2006	11/1/2006	MER-002	MER-002	1	Tier 1		Specific Conductance		124			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	MER-002	MER-002	1	Tier 1		Temperature		1.5			Celcius					Field	SW
11/1/2006	11/1/2006	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
11/1/2006	11/1/2006	MER-003	MER-003	1	Tier 1		Flow		13			cfs					Field	SW
11/1/2006	11/1/2006	MER-003	MER-003	1	Tier 1		pH		7.2			S.U.					Field	SW
11/1/2006	11/1/2006	MER-003	MER-003	1	Tier 1		Specific Conductance		146			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	MER-003	MER-003	1	Tier 1		Temperature		1.5			Celcius					Field	SW
11/1/2006	11/1/2006	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
11/1/2006	11/1/2006	WBR-001	WBR-001	1	Tier 1		Flow		0.1			cfs					Field	SW
11/1/2006	11/1/2006	WBR-001	WBR-001	1	Tier 1		pH		5.7			S.U.					Field	SW
11/1/2006	11/1/2006	WBR-001	WBR-001	1	Tier 1		Specific Conductance		53			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	WBR-001	WBR-001	1	Tier 1		Temperature		0.3			Celcius					Field	SW
11/1/2006	11/1/2006	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
11/1/2006	11/1/2006	WBR-002	WBR-002	1	Tier 1		Flow		0.02			cfs					Field	SW
11/1/2006	11/1/2006	WBR-002	WBR-002	1	Tier 1		pH		7.1			S.U.					Field	SW
11/1/2006	11/1/2006	WBR-002	WBR-002	1	Tier 1		Specific Conductance		238			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	WBR-002	WBR-002	1	Tier 1		Temperature		1			Celcius					Field	SW
11/1/2006	11/1/2006	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
11/1/2006	11/1/2006	WBR-003	WBR-003	1	Tier 1		Flow		0.2			cfs					Field	SW
11/1/2006	11/1/2006	WBR-003	WBR-003	1	Tier 1		pH		6.6			S.U.					Field	SW
11/1/2006	11/1/2006	WBR-003	WBR-003	1	Tier 1		Specific Conductance		167			umhos/cm @25 degrees C					Field	SW
11/1/2006	11/1/2006	WBR-003	WBR-003	1	Tier 1		Temperature		1.6			Celcius					Field	SW
11/1/2006	11/1/2006	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0			cfs					Field	SW
11/1/2006	11/1/2006	WLD-001SE	WLD-001SE	1	Tier 1		Flow		<0.1			cfs					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		Flow		0.0			cfs					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		pH		6.3			S.U.					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		Temperature		0.6			Celcius					Field	SW
1/4/2007	1/4/2007	EBR-001	EBR-001	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		Dissolved Oxygen		FROZEN			mg/L					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		Flow		0.0			cfs					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		ORP		FROZEN			mV					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		pH		FROZEN			S.U.					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		Specific Conductance		FROZEN			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		Temperature		FROZEN			Celcius					Field	SW
1/4/2007	1/4/2007	HMP-002	HMP-002	1	Tier 1		Turbidity		FROZEN			NTU					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		Flow		2.1			cfs					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		pH		6.6			S.U.					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		Specific Conductance		155			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		Temperature		0.3			Celcius					Field	SW
1/4/2007	1/5/2007	MBR-001	MBR-001	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		Flow		17			cfs					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		pH		6.2			S.U.					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		Specific Conductance		86			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		Temperature		0.4			Celcius					Field	SW
1/4/2007	1/5/2007	MER-001	MER-001	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		Flow		18			cfs					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		pH		6.2			S.U.					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		Specific Conductance		105			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		Temperature		0.9			Celcius					Field	SW
1/4/2007	1/5/2007	MER-002	MER-002	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		Flow		20			cfs					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		pH		6.3			S.U.					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		Specific Conductance		118			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		Temperature		1.0			Celcius					Field	SW
1/4/2007	1/5/2007	MER-003	MER-003	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.1			cfs					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		pH		4.8			S.U.					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		Specific Conductance		109			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		Temperature		0.4			Celcius					Field	SW
1/4/2007	1/5/2007	WBR-001	WBR-001	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.5			cfs					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		pH		6.2			S.U.					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		Specific Conductance		235			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		Temperature		1.9			Celcius					Field	SW
1/4/2007	1/4/2007	WBR-002	WBR-002	1	Tier 1		Turbidity		NM			NTU					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.6			cfs					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		pH		5.6			S.U.					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		Specific Conductance		39			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		Temperature		0.1			Celcius					Field	SW
1/4/2007	1/4/2007	WBR-003	WBR-003	1	Tier 1		Turbidity		NM			NTU					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		Dissolved Oxygen		DRY			mg/L					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0.0			cfs					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		ORP		DRY			mV					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		pH		DRY			S.U.					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		Specific Conductance		DRY			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		Temperature		DRY			Celcius					Field	SW
1/4/2007	1/4/2007	WLD-001NW	WLD-001NW	1	Tier 1		Turbidity		DRY			NTU					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		Dissolved Oxygen		NM			mg/L					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0.0			cfs					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		ORP		NM			mV					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		pH		NM			S.U.					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		Temperature		NM			Celcius					Field	SW
1/4/2007	1/4/2007	WLD-001SE	WLD-001SE	1	Tier 1		Turbidity		NM			NTU					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Aluminum	B	42	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Arsenic	B	0.41	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Barium		4.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Bicarbonate Alkalinity		56	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Boron		17	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Calcium		13000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Chloride	B	2.7	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Cobalt	B	0.070	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	COD	B	15	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBR-001	1	Tier 1		Flow		0.0			cfs					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Fluoride	B	0.23	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	0702-0618	Gross Alpha		-0.161 +/- 0.615		1.9	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	0702-0618	Gross Beta		1.70 +/- 1.01		1.82	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Iron		590	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Lead	B	0.090	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Lithium		1.2	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Magnesium		5400	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Manganese		160	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Mercury - low level		0.939	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Molybdenum	B	0.77	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Nickel	B	0.69	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1		pH		7.2			S.U.					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Potassium		1500	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Sodium		1500	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1		Specific Conductance		26			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Sulfate		4.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1		Temperature		0			Celcius					Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	TOC as NPOC		6.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	TOC as NPOC - Dissolved		8.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Total Alkalinity		56	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Total Dissolved Solids		70	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Total Hardness		55000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Total Suspended Solids		3.2	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Turbidity		3.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Vanadium	B	0.44	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	EBR-001	EBRS-001	1	Tier 1	880723-004	Zinc	B	6.6	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Aluminum	B	15	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Arsenic	B	0.31	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Barium	B	0.32	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Barium	B	0.14	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Barium	B	0.14	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Barium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Beryllium	B	0.13	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Bicarbonate Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Bicarbonate Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Bicarbonate Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Bicarbonate Alkalinity	B	4.3	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Boron		170	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Boron		190	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Boron		160	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Boron		160	1.2	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Cadmium	B	0.13	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Chromium	B	0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Cobalt	B	0.13	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Copper		1.4	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Copper		2.0	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Copper	B	0.84	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Copper		3.0	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	0702-0617	Gross Alpha		0.323 +/- 0.529		1.14	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	0702-0666	Gross Alpha		0.139 +/- 0.466		1.21	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	0702-0747	Gross Alpha		0.200 +/- 0.485		1.18	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	0702-0909	Gross Alpha		-0.315 +/- 0.375		1.54	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	0702-0617	Gross Beta		0.956 +/- 0.886		1.86	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	0702-0666	Gross Beta		0.818 +/- 0.862		1.81	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	0702-0747	Gross Beta		-0.503 +/- 0.627		1.76	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	0702-0909	Gross Beta		0.076 +/- 0.784		1.94	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Iron	B	29	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Lead	B	0.29	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Lead	B	0.17	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Lead	B	0.19	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Lithium		0.060	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Lithium	B	0.046	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Lithium	B	0.032	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Lithium	U	<0.014	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Magnesium	B	14	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Magnesium	B	7.5	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Magnesium	U	<4.6	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Magnesium	U	<4.6	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Manganese	B	0.47	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Manganese		1.5	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Manganese	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Manganese	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Mercury - low level	U	<0.183	0.183	0.183	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Mercury - low level		0.270	0.183	0.183	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Mercury - low level		0.208	0.183	0.183	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Mercury - low level	U	<0.183	0.183	0.183	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Nickel		4.3	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Potassium	B	21	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Potassium	B	8.7	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Potassium	U	<5.7	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Potassium	U	<5.7	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Selenium	B	0.93	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Silver	B	0.14	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Sodium		1200	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Sodium		1200	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Sodium		1800	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Sodium		840	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Sulfate	B	1.6	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Sulfate	U	<0.77	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Sulfate	B	1.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Sulfate	B	1.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Thallium	B	0.10	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	TOC as NPOC - Dissolved	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Total Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Total Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Total Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Total Alkalinity	B	4.3	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Total Dissolved Solids	B	20	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Total Suspended Solids	U	<0.25	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Total Suspended Solids	U	<0.25	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Total Suspended Solids	U	<0.25	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Total Suspended Solids	U	<0.25	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Vanadium	B	0.47	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Vanadium	B	0.32	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Vanadium	B	0.31	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Vanadium	B	0.27	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Field Blank	FBKS-001	1	Tier 1	880723-003	Zinc	B	4.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	Field Blank	FBKS-002	1	Tier 1	880751-002	Zinc	B	4.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Field Blank	FBKS-003	1	Tier 1	880793-006	Zinc	B	3.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	Field Blank	FBKS-004	1	Tier 1	880840-006	Zinc	B	3.8	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Aluminum	B	15	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Antimony		8.6	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Antimony		8.6	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Arsenic	B	0.61	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Arsenic	B	0.89	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Barium		8.2	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Barium		8.2	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Beryllium	B	0.17	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Bicarbonate Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Bicarbonate Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Boron		96	1.2	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Boron		92	1.2	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Cadmium	B	0.22	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Calcium		48000	130	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Calcium		49000	130	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Chloride		11	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Chloride		11	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Chromium	B	0.36	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Cobalt		4.1	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Cobalt		4.1	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	COD	U	<10	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Copper		1.8	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Copper		1.6	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	0702-0906	Gross Alpha		2.65 +/- 1.81		2.71	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	0702-0905	Gross Alpha		0.009 +/- 0.880		2.57	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	0702-0906	Gross Beta		8.50 +/- 2.25		1.83	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	0702-0905	Gross Beta		1.41 +/- 1.09		2.19	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Iron		270	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Iron		270	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Lead	B	0.18	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Lead	B	0.050	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Lithium		3.7	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Lithium		3.5	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Magnesium		24000	46	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Magnesium		24000	46	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Manganese		250	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Manganese		270	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Mercury - low level	U	<0.183	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Mercury - low level	U	<0.183	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Molybdenum		12	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Molybdenum		12	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Nickel		16	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Nickel		16	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Nitrogen, Nitrate		2.1	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Nitrogen, Nitrate		2.1	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1		pH		7.7			S.U.					Field	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Potassium		8600	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Potassium		8800	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Selenium		1.1	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Silver	B	0.080	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Sodium		13000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Sodium		14000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Sulfate		130	7.7	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Sulfate		140	7.7	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1		Temperature		3.1			Celcius					Field	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Thallium	B	0.12	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	TOC as NPOC		2.2	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	TOC as NPOC		3.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	TOC as NPOC - Dissolved		2.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	TOC as NPOC - Dissolved		3.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Total Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Total Alkalinity		110	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Total Dissolved Solids		330	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Total Dissolved Solids		340	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Total Hardness		220000	1500	20000	ug/L	10		SW846 3020A	6020/2340B	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Total Hardness		220000	1500	20000	ug/L	10		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Total Suspended Solids	U	<0.26	0.26	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Total Suspended Solids	B	0.43	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Turbidity		2.5	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Turbidity		2.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Vanadium	B	0.45	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Vanadium	B	0.38	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	HMP-001	DUPS-004	2	Tier 1	880840-002	Zinc	B	2.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-001	HMPS-001E	1	Tier 1	880840-001	Zinc		10	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	HMP-002	HMP-002	1	Tier 1		Flow		0.0			cfs					Field	SW
2/7/2007		HTP-001	HTPS-001E	1	Tier 1		Dissolved Oxygen		frozen			mg/L					Field	SW
2/7/2007		HTP-001	HTPS-001E	1	Tier 1		pH		frozen			S.U.					Field	SW
2/7/2007		HTP-001	HTPS-001E	1	Tier 1		Specific Conductance		frozen			umhos/cm @25 degrees C					Field	SW
2/7/2007		HTP-001	HTPS-001E	1	Tier 1		Temperature		frozen			Celcius					Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Aluminum	B	15	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Arsenic		1.0	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Barium		34	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Bicarbonate Alkalinity		67	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Boron		31	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Cadmium	B	0.13	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Calcium		15000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Chromium	B	0.40	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Cobalt	B	0.43	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	COD		29	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1		Dissolved Oxygen		2			mg/L					Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Fluoride	B	0.32	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	0702-0743	Gross Alpha		1.22 +/- 0.994		1.65	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	0702-0743	Gross Beta		1.78 +/- 1.02		1.75	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Iron		1200	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Lead	B	0.10	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Lithium		3.0	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Magnesium		6800	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Manganese		660	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Mercury - low level		0.768	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Molybdenum	B	0.76	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Nickel		2.3	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1		pH		7.2			S.U.					Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Potassium		2300	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Silver	B	0.050	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Sodium		1700	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1		Specific Conductance		124			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Sulfate	B	3.9	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1		Temperature		1			Celcius					Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	TOC as NPOC		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	TOC as NPOC - Dissolved		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Total Alkalinity		67	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Total Dissolved Solids		100	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Total Hardness		66000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Total Suspended Solids		3.2	0.3	1.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Turbidity		5.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Vanadium	B	0.37	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	HTP-002	HTPS-002E	1	Tier 1	880793-001	Zinc	B	4.1	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Aluminum	B	18	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Arsenic	B	0.92	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Arsenic	B	0.72	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Barium		9.1	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Barium		3.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Beryllium	B	0.17	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Bicarbonate Alkalinity		32	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Bicarbonate Alkalinity		34	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Boron		18	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Boron		13	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Cadmium	B	0.18	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Calcium		9000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Calcium		8200	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Chloride	B	2.7	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Chromium	B	0.42	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Cobalt	B	0.14	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	COD		21	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Fluoride	B	0.22	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Fluoride	B	0.22	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	0702-0744	Gross Alpha		-0.281 +/- 0.384		1.55	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	0702-0745	Gross Alpha		-0.077 +/- 0.370		1.29	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	0702-0744	Gross Beta		2.37 +/- 1.15		1.91	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	0702-0745	Gross Beta		1.39 +/- 0.901		1.65	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Iron		170	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Iron		140	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Lead	B	0.39	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Lead	B	0.23	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Lithium		1.2	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Lithium		1.2	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Magnesium		3700	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Magnesium		3300	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Manganese		5.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Manganese		3.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Mercury - low level	B	0.491	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Mercury - low level		0.507	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Molybdenum	B	1.0	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Molybdenum	B	0.78	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Nickel		1.6	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Nickel		1.1	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1		pH		7.1			S.U.					Field	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Potassium		1300	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Potassium		1200	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Selenium	B	0.70	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Silver	B	0.080	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Sodium		1200	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Sodium		1000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1		Specific Conductance		68			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Sulfate	B	3.7	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Sulfate	B	3.7	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1		Temperature		2.6			Celcius					Field	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Thallium	B	0.12	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	TOC as NPOC		7.5	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	TOC as NPOC		7.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	TOC as NPOC - Dissolved		7.5	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	TOC as NPOC - Dissolved		6.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Total Alkalinity		32	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Total Alkalinity		34	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Total Dissolved Solids		84	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Total Dissolved Solids		48	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Total Hardness		38000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Total Hardness		34000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Total Suspended Solids	U	<1.2	1.2	5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Total Suspended Solids	B	0.75	0.26	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Turbidity		1.2	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Turbidity		1.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Vanadium	B	0.47	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Vanadium	B	0.36	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-001	DUPS-003	2	Tier 1	880793-002	Zinc	B	5.0	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-001	LKLS-001E	1	Tier 1	880793-003	Zinc	B	2.8	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Aluminum	B	8.4	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Arsenic	B	0.73	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Barium		3.3	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Bicarbonate Alkalinity		34	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Boron		17	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Calcium		10000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Chromium	B	0.42	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1		Dissolved Oxygen		10			mg/L					Field	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Fluoride	B	0.21	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	0702-0746	Gross Alpha		0.371 +/- 0.782		1.83	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	0702-0746	Gross Beta		-0.351 +/- 0.773		2.01	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Iron		190	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Lead	B	0.060	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Lithium		1.2	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Magnesium		4100	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Manganese		9.6	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Mercury - low level	B	0.470	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Molybdenum	B	0.91	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Nickel		1.4	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1		pH		6.8			S.U.					Field	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Potassium		1500	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Sodium		1300	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1		Specific Conductance		67			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Sulfate	B	3.7	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1		Temperature		2.6			Celcius					Field	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	TOC as NPOC		8.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	TOC as NPOC - Dissolved		6.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Total Alkalinity		34	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Total Dissolved Solids		44	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Total Hardness		42000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Total Suspended Solids	B	0.67	0.26	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Turbidity		1.8	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Vanadium	B	0.43	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	LKL-002	LKLS-002E	1	Tier 1	880793-004	Zinc	B	4.2	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Aluminum	B	32	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Aluminum	B	35	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Arsenic	B	0.98	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Arsenic	B	0.70	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Barium		8.2	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Barium		8.5	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Bicarbonate Alkalinity		52	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Bicarbonate Alkalinity		52	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Boron		16	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Boron		17	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Calcium		14000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Calcium		14000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Chloride		10	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Chloride		10	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Cobalt	B	0.22	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Cobalt	B	0.22	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	COD		44	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	MBR-001	MBR-001	1	Tier 1		Flow		0.0			cfs					Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Fluoride	B	0.24	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	0702-0616	Gross Alpha		0.133 +/- 0.760		2.02	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	0702-0619	Gross Alpha		0.548 +/- 0.776		1.62	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	0702-0616	Gross Beta		1.70 +/- 1.08		1.98	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	0702-0619	Gross Beta		1.21 +/- 1.04		2.11	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Iron		2500	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Iron		2600	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Lead	B	0.14	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Lead	B	0.21	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Lithium		1.5	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Lithium		1.4	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Magnesium		6000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Magnesium		6000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Manganese		290	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Manganese		300	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Mercury - low level		1.00	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Mercury - low level		0.881	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Molybdenum	B	0.64	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Nickel	B	0.48	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Nickel	B	0.81	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Nitrogen, Nitrate	B	0.10	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1		pH		6.9			S.U.					Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Potassium		1900	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Potassium		1900	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Sodium		6400	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Sodium		6500	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1		Specific Conductance		156			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Sulfate		5.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Sulfate		5.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1		Temperature		0.2			Celcius					Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	TOC as NPOC		10	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	TOC as NPOC		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	TOC as NPOC - Dissolved		8.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	TOC as NPOC - Dissolved		8.0	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Total Alkalinity		52	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Total Alkalinity		52	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Total Dissolved Solids		86	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Total Dissolved Solids		94	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Total Hardness		59000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Total Hardness		60000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Total Suspended Solids		2.2	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Total Suspended Solids		2.4	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Turbidity		13	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Turbidity		12	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Vanadium	B	0.54	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Vanadium	B	0.54	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	MBR-001	DUPS-001	2	Tier 1	880723-002	Zinc	B	4.2	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	MBR-001	MBRS-001	1	Tier 1	880723-005	Zinc	B	5.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Aluminum		54	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Arsenic		1.3	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Barium		8.2	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Bicarbonate Alkalinity		37	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Boron	B	8.0	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Calcium		11000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Chloride		5.1	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Cobalt	B	0.10	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	COD	B	12	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/14/2007	MER-001	MER-001	1	Tier 1		Flow		5.8			cfs					Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	0702-0668	Gross Alpha		0.696 +/- 0.936		1.98	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	0702-0668	Gross Beta		0.363 +/- 0.787		1.78	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Iron		1400	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Lead	B	0.070	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Lithium		0.63	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Magnesium		3200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Manganese		72	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Mercury - low level		1.59	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Nitrogen, Nitrate	B	0.19	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1		pH		6.7			S.U.					Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Potassium		700	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Selenium	B	0.84	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Sodium		2800	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1		Specific Conductance		90			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Sulfate		6.5	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1		Temperature		0.1			Celcius					Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	TOC as NPOC		5.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	TOC as NPOC - Dissolved		7.5	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Total Alkalinity		37	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Total Dissolved Solids		60	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Total Hardness		42000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Total Suspended Solids		1.4	0.34	1.4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Turbidity		4.7	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Vanadium	B	0.96	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-001	MERS-001	1	Tier 1	880751-004	Zinc	B	3.8	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Aluminum	B	43	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Aluminum	B	45	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Arsenic		1.4	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Arsenic		1.4	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Barium		10	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Barium		11	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Bicarbonate Alkalinity		41	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Bicarbonate Alkalinity		37	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Boron		12	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Boron		11	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Calcium		13000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Calcium		14000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Chloride		7.0	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Chloride		7.4	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Chromium	B	0.33	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Chromium	B	0.46	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Cobalt	B	0.36	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Cobalt	B	0.37	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	COD	U	<9.7	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	COD	B	18	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/14/2007	MER-002	MER-002	1	Tier 1		Flow		6.7			cfs					Field	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	0702-0667	Gross Alpha		0.555 +/- 0.665		1.23	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	0702-0670	Gross Alpha		0.364 +/- 0.726		1.68	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	0702-0667	Gross Beta		1.10 +/- 0.856		1.63	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	0702-0670	Gross Beta		1.61 +/- 1.05		1.96	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Iron		2000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Iron		2200	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Lead	B	0.060	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Lead	B	0.050	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Lithium		0.71	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Lithium		0.74	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Magnesium		3600	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Magnesium		3900	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Manganese		140	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Manganese		150	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Mercury - low level		1.47	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Mercury - low level		1.50	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Nitrogen, Nitrate	B	0.20	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Nitrogen, Nitrate		1.1	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1		pH		7			S.U.					Field	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Potassium		870	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Potassium		910	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Sodium		4400	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Sodium		4700	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1		Specific Conductance		21			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Sulfate		11	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Sulfate		11	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1		Temperature		0.1			Celcius					Field	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	TOC as NPOC		6.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	TOC as NPOC		6.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	TOC as NPOC - Dissolved		5.5	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	TOC as NPOC - Dissolved		4.3	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Total Alkalinity		41	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Total Alkalinity		37	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Total Dissolved Solids		88	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Total Hardness		48000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Total Hardness		51000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Total Suspended Solids		1.9	0.34	1.4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Total Suspended Solids		2.1	0.34	1.4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Turbidity		6.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Turbidity		6.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Vanadium		1.0	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Vanadium	B	0.98	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-002	DUPS-002	2	Tier 1	880751-003	Zinc	B	4.0	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-002	MERS-002	1	Tier 1	880751-006	Zinc	B	3.2	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Aluminum		70	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Arsenic		1.4	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Barium		11	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Bicarbonate Alkalinity		41	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Boron		10	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Calcium		14000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Chloride		8.4	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Chromium	B	0.48	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Cobalt	B	0.41	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	COD	B	12	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/14/2007	MER-003	MER-003	1	Tier 1		Flow		7.4			cfs					Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	0702-0669	Gross Alpha		-0.099 +/- 0.668		1.96	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	0702-0669	Gross Beta		0.121 +/- 0.785		1.91	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Iron		2000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Lead	B	0.15	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Lithium		0.72	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Magnesium		3900	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Manganese		150	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Mercury - low level		1.60	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Nickel		64	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Nitrogen, Nitrate	B	0.20	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1		pH		6.7			S.U.					Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Potassium		910	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Sodium		5200	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1		Specific Conductance		137			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Sulfate		11	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1		Temperature		0.1			Celcius					Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	TOC as NPOC		5.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	TOC as NPOC - Dissolved		5.9	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Total Alkalinity		41	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Total Dissolved Solids		84	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Total Hardness		51000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Total Suspended Solids		1.7	0.34	1.4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Turbidity		6.7	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Vanadium		1.2	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	MER-003	MERS-003	1	Tier 1	880751-005	Zinc	B	4.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/12/2007	Trip Blank	TRIP BLANK-1	1	Tier 1	880793-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	880723-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Trip Blank	TRIP BLANK-2	1	Tier 1	880840-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	880751-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Trip Blank	TRIP BLANK-1	1	Tier 1	880793-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	880723-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	880751-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Trip Blank	TRIP BLANK-2	1	Tier 1	880840-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	880723-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Trip Blank	TRIP BLANK-1	1	Tier 1	880793-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	880751-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Trip Blank	TRIP BLANK-2	1	Tier 1	880840-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	880723-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Trip Blank	TRIP BLANK-1	1	Tier 1	880793-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	880751-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Trip Blank	TRIP BLANK-2	1	Tier 1	880840-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/12/2007	Trip Blank	TRIP BLANK-1	1	Tier 1	880793-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	880723-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	Trip Blank	TRIP BLANK-2	1	Tier 1	880840-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	880751-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Aluminum		230	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Arsenic	B	0.90	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Barium		12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Bicarbonate Alkalinity	B	8.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Boron	B	9.0	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Calcium		6800	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Chloride		23	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Chromium	B	0.60	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Cobalt	B	0.26	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	COD		79	10	21	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBR-001	1	Tier 1		Flow		<0.1			cfs					Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Fluoride	U	<0.096	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	0702-0671	Gross Alpha		1.64 +/- 1.21		1.99	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	0702-0671	Gross Beta		7.54 +/- 2.06		1.83	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Iron		1900	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Lead	B	0.79	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Lithium		0.78	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Magnesium		3200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Manganese		120	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Mercury - low level		5.25	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Nitrogen, Nitrate	B	0.14	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1		pH		5.9			S.U.					Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Potassium		820	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Sodium		13000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1		Specific Conductance		62			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Sulfate		5.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1		Temperature		0			Celcius					Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	TOC as NPOC		26	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	TOC as NPOC - Dissolved		31	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Total Alkalinity	B	8.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Total Hardness		30000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Total Suspended Solids	B	2.5	0.59	2.5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Turbidity		3.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Vanadium	B	0.94	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/8/2007	WBR-001	WBRS-001	1	Tier 1	880751-007	Zinc	B	8.1	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Aluminum	B	41	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Arsenic	B	0.87	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Barium		8.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Bicarbonate Alkalinity		32	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Boron		23	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Calcium		11000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Chloride		42	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Chromium	B	0.39	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Cobalt	B	0.78	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	COD		28	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.1			cfs					Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	0702-0621	Gross Alpha		0.471 +/- 0.680		1.38	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	0702-0621	Gross Beta		1.25 +/- 0.884		1.64	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Iron		2000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Lead	B	0.070	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Lithium		2.2	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Magnesium		6000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Manganese		620	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Mercury - low level		1.12	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Nickel		2.1	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1		pH		6.7			S.U.					Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Potassium		2900	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Sodium		25300	17.1	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1		Specific Conductance		259			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Sulfate		7.0	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1		Temperature		0.6			Celcius					Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	TOC as NPOC		14	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	TOC as NPOC - Dissolved		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Total Alkalinity		32	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Total Hardness		53000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Total Suspended Solids	B	3.2	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Turbidity		8.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Vanadium	B	0.46	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-002	WBRS-002	1	Tier 1	880723-007	Zinc	B	5.6	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Aluminum		85	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Arsenic		1.8	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Barium		14	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Bicarbonate Alkalinity		47	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Boron		21	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Calcium		15000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Chloride		37	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Chromium	B	0.34	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Cobalt		1.4	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	COD		37	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Copper	B	0.95	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.2			cfs					Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Fluoride	B	0.21	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	0702-0622	Gross Alpha		0.068 +/- 0.887		2.38	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	0702-0622	Gross Beta		1.88 +/- 1.04		1.8	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Iron		7200	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Lead	B	0.22	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Lithium		2.1	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Magnesium		7100	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Manganese		1200	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Mercury - low level		1.63	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Nickel		1.9	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1		pH		6.4			S.U.					Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Potassium		2800	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Sodium		21000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1		Specific Conductance		280			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Sulfate		7.7	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1		Temperature		0.1			Celcius					Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	TOC as NPOC		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	TOC as NPOC - Dissolved		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Total Alkalinity		47	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Total Dissolved Solids		130	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Total Hardness		66000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Total Suspended Solids		16	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Turbidity		42	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Vanadium	B	0.55	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WBR-003	WBRS-003	1	Tier 1	880723-008	Zinc	B	6.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Aluminum	B	21	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Arsenic		2.0	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Barium		27	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Bicarbonate Alkalinity		140	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Boron		52	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Calcium		27000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Chloride	B	2.8	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Chromium	B	0.44	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Cobalt	B	0.36	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	COD		31	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1		Dissolved Oxygen		<1			mg/L					Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLD-001NW	1	Tier 1		Flow		0.0			cfs					Field	SW
2/7/2007	2/7/2007	WLD-001	WLD-001SE	1	Tier 1		Flow		0.0			cfs					Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Fluoride	B	0.44	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	0702-0620	Gross Alpha		3.90 +/- 1.82		1.93	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	0702-0620	Gross Beta		3.65 +/- 1.43		1.93	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Iron		16000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Lithium		2.7	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Magnesium		12000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Manganese		4600	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Mercury - low level		0.537	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Molybdenum	B	1.4	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1		pH		6.3			S.U.					Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Potassium		3500	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Sodium		1800	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1		Specific Conductance		291			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Sulfate	B	2.5	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1		Temperature		2.5			Celcius					Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	TOC as NPOC		7.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	TOC as NPOC - Dissolved		6.1	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Toluene		1.4	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Total Alkalinity		140	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Total Dissolved Solids		120	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Total Hardness		120000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Total Suspended Solids		33	2.4	10	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Turbidity		81	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Vanadium	B	0.88	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/7/2007	WLD-001	WLDS-001	1	Tier 1	880723-006	Zinc	B	3.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Aluminum	B	27	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Arsenic	B	0.31	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Barium		17	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Bicarbonate Alkalinity		43	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Boron	B	14	1.2	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Calcium		9700	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Cobalt	B	0.27	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	COD		41	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1		Dissolved Oxygen		<1			mg/L					Field	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Fluoride	B	0.27	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	0702-0907	Gross Alpha		-0.149 +/- 0.547		1.75	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	0702-0907	Gross Beta		1.87 +/- 1.02		1.78	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Iron		11000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Lead	B	0.060	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Lithium		0.30	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Magnesium		1800	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Manganese		270	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Mercury - low level		1.21	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Nitrogen, Nitrate	U	<0.088	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1		pH		7.1			S.U.					Field	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Potassium		950	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Silver	B	0.070	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Sodium		720	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1		Specific Conductance		111			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Sulfate	B	1.4	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1		Temperature		2.2			Celcius					Field	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	TOC as NPOC		15	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	TOC as NPOC - Dissolved		15	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Toluene		1.2	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Total Alkalinity		43	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Total Dissolved Solids		100	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Total Hardness		32000	150	5000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Total Suspended Solids		14	0.53	2.2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Turbidity		5.9	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Vanadium	B	0.45	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-002	WLDS-002E	1	Tier 1	880840-003	Zinc	B	3.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Aluminum	B	16	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Arsenic	B	0.39	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Barium		38	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Bicarbonate Alkalinity		30	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Boron	B	14	1.2	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Calcium		9100	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Chloride	B	2.6	0.82	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Cobalt	B	0.080	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	COD		24	9.7	20	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Fluoride	B	0.20	0.096	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	0702-0908	Gross Alpha		-0.256 +/- 0.279		1.35	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	0702-0908	Gross Beta		0.270 +/- 0.779		1.85	pCi/L	1		NA	EPA 900.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Iron		420	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Lithium		0.24	0.014	0.047	ug/L	1		EPA 3020	EPA 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Magnesium		2200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Manganese		850	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Mercury - low level	B	0.306	0.183	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Nitrogen, Ammonia	U	<0.25	0.25	0.5	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Nitrogen, Nitrate	B	0.11	0.088	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Nitrogen, Nitrite	U	<0.040	0.04	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1		pH		7			S.U.					Field	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Potassium		1300	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Sodium		960	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1		Specific Conductance		158			umhos/cm @25 degrees C					Field	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Sulfate		4.2	0.77	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1		Temperature		4.9			Celcius					Field	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	TOC as NPOC		8.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	TOC as NPOC - Dissolved		9.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Total Alkalinity		30	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Total Dissolved Solids		40	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Total Hardness		32000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Total Suspended Solids		1.9	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Turbidity		1.7	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Vanadium	B	0.54	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
2/7/2007	2/13/2007	WLD-003	WLDS-003E	1	Tier 1	880840-004	Zinc	B	5.7	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
3/14/2007	3/14/2007	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		10			mg/L					Field	SW
3/14/2007	3/14/2007	EBR-001	EBR-001	1	Tier 1		Flow		NM			cfs					Field	SW
3/14/2007	3/14/2007	EBR-001	EBR-001	1	Tier 1		pH		7.7			S.U.					Field	SW
3/14/2007	3/14/2007	EBR-001	EBR-001	1	Tier 1		Specific Conductance		88			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	EBR-001	EBR-001	1	Tier 1		Temperature		0.1			Celcius					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
3/14/2007	3/14/2007	HMP-002	HMP-002	1	Tier 1		Dissolved Oxygen		frozen			mg/L					Field	SW
3/14/2007	3/14/2007	HMP-002	HMP-002	1	Tier 1		Flow		frozen			cfs					Field	SW
3/14/2007	3/14/2007	HMP-002	HMP-002	1	Tier 1		pH		frozen			S.U.					Field	SW
3/14/2007	3/14/2007	HMP-002	HMP-002	1	Tier 1		Specific Conductance		frozen			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	HMP-002	HMP-002	1	Tier 1		Temperature		frozen			Celcius					Field	SW
3/14/2007	3/14/2007	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
3/14/2007	3/14/2007	MBR-001	MBR-001	1	Tier 1		Flow		2.4			cfs					Field	SW
3/14/2007	3/14/2007	MBR-001	MBR-001	1	Tier 1		pH		62			S.U.					Field	SW
3/14/2007	3/14/2007	MBR-001	MBR-001	1	Tier 1		Specific Conductance		123			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	MBR-001	MBR-001	1	Tier 1		Temperature		0.4			Celcius					Field	SW
3/14/2007	3/21/2007	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
3/14/2007	3/21/2007	MER-001	MER-001	1	Tier 1		Flow		15			cfs					Field	SW
3/14/2007	3/21/2007	MER-001	MER-001	1	Tier 1		pH		6			S.U.					Field	SW
3/14/2007	3/21/2007	MER-001	MER-001	1	Tier 1		Specific Conductance		75			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/21/2007	MER-001	MER-001	1	Tier 1		Temperature		0.3			Celcius					Field	SW
3/14/2007	3/21/2007	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
3/14/2007	3/21/2007	MER-002	MER-002	1	Tier 1		Flow		16			cfs					Field	SW
3/14/2007	3/21/2007	MER-002	MER-002	1	Tier 1		pH		5			S.U.					Field	SW
3/14/2007	3/21/2007	MER-002	MER-002	1	Tier 1		Specific Conductance		104			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/21/2007	MER-002	MER-002	1	Tier 1		Temperature		0.4			Celcius					Field	SW
3/14/2007	3/21/2007	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
3/14/2007	3/21/2007	MER-003	MER-003	1	Tier 1		Flow		18			cfs					Field	SW
3/14/2007	3/21/2007	MER-003	MER-003	1	Tier 1		pH		6			S.U.					Field	SW
3/14/2007	3/21/2007	MER-003	MER-003	1	Tier 1		Specific Conductance		120			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/21/2007	MER-003	MER-003	1	Tier 1		Temperature		0.5			Celcius					Field	SW
3/14/2007	3/14/2007	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
3/14/2007	3/14/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.1			cfs					Field	SW
3/14/2007	3/14/2007	WBR-001	WBR-001	1	Tier 1		pH		5.9			S.U.					Field	SW
3/14/2007	3/14/2007	WBR-001	WBR-001	1	Tier 1		Specific Conductance		74			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	WBR-001	WBR-001	1	Tier 1		Temperature		0			Celcius					Field	SW
3/14/2007	3/14/2007	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
3/14/2007	3/14/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.5			cfs					Field	SW
3/14/2007	3/14/2007	WBR-002	WBR-002	1	Tier 1		pH		6.4			S.U.					Field	SW
3/14/2007	3/14/2007	WBR-002	WBR-002	1	Tier 1		Specific Conductance		265			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	WBR-002	WBR-002	1	Tier 1		Temperature		1.2			Celcius					Field	SW
3/14/2007	3/14/2007	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
3/14/2007	3/14/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.9			cfs					Field	SW
3/14/2007	3/14/2007	WBR-003	WBR-003	1	Tier 1		pH		7.1			S.U.					Field	SW
3/14/2007	3/14/2007	WBR-003	WBR-003	1	Tier 1		Specific Conductance		155			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	WBR-003	WBR-003	1	Tier 1		Temperature		0.1			Celcius					Field	SW
3/14/2007	3/14/2007	WLD-001NW	WLD-001NW	1	Tier 1		Dissolved Oxygen		dry			mg/L					Field	SW
3/14/2007	3/14/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		dry			cfs					Field	SW
3/14/2007	3/14/2007	WLD-001NW	WLD-001NW	1	Tier 1		pH		dry			S.U.					Field	SW
3/14/2007	3/14/2007	WLD-001NW	WLD-001NW	1	Tier 1		Specific Conductance		dry			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	WLD-001NW	WLD-001NW	1	Tier 1		Temperature		dry			Celcius					Field	SW
3/14/2007	3/14/2007	WLD-001SE	WLD-001SE	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
3/14/2007	3/14/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0			cfs					Field	SW
3/14/2007	3/14/2007	WLD-001SE	WLD-001SE	1	Tier 1		pH		6.6			S.U.					Field	SW
3/14/2007	3/14/2007	WLD-001SE	WLD-001SE	1	Tier 1		Specific Conductance		212			umhos/cm @25 degrees C					Field	SW
3/14/2007	3/14/2007	WLD-001SE	WLD-001SE	1	Tier 1		Temperature		0.6			Celcius					Field	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Aluminum		56	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Arsenic	B	0.60	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Barium		4.4	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Bicarbonate Alkalinity		31	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Boron		12	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Calcium		7700	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Chloride	B	2.9	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Chromium	B	0.40	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Cobalt	B	0.10	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	COD	B	33	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBR-001	1	Tier 1		Flow		8.3			cfs					Field	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Fluoride	B	0.22	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	0704-0280	Gross Alpha		-0.962 +/- 0.484			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	0704-0280	Gross Beta		1.46 +/- 1.18			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Iron		500	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Lead	B	0.47	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Lithium		0.88	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Magnesium		3200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Manganese		50	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Mercury - low level		3.14	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Nickel		1.0	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Nitrogen, Nitrate	B	0.23	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Oil & Grease - Non Polar		7.5	2.4	5.2	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Potassium		1300	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Sodium		950	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Sulfate		4.7	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	TOC as NPOC		9.7	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	TOC as NPOC - Dissolved		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Total Alkalinity		31	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Total Dissolved Solids		52	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Total Hardness		33000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Total Suspended Solids		7.6	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Turbidity		2.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Vanadium	B	0.43	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1	882218-005	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Antimony	B	0.25	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Arsenic	B	0.25	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Arsenic	U	<0.13	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Barium	B	0.28	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Barium	B	0.36	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Barium	B	0.25	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Barium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Beryllium	B	0.16	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Bicarbonate Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Bicarbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Bicarbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Bicarbonate Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Boron		190	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Boron		160	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Boron		220	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Boron		220	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Cadmium	B	0.16	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Calcium	B	21	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Calcium	U	<13	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Chloride	B	3.2	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Chloride	B	3.3	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Chloride	B	4.1	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Chloride	U	<1.1	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Chromium	B	0.38	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Cobalt	B	0.15	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Cobalt	U	<0.026	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	COD	B	13	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Copper		1.4	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Copper		2.7	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Copper		1.6	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Copper		1.1	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	0705-0227	Gross Alpha		0.489 +/- 0.733			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	0705-0409	Gross Alpha		0.095 +/- 0.647			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	0704-0390	Gross Alpha		-0.461 +/- 0.287			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	0704-0283	Gross Alpha		0.601 +/- 0.749			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	0704-0283	Gross Beta		0.454 +/- 1.13			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	0705-0227	Gross Beta		0.598 +/- 0.869			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	0705-0409	Gross Beta		1.17 +/- 0.907			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	0704-0390	Gross Beta		0.280 +/- 0.826			pCi/L	1		NA	EPA 900.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Iron	U	<9.3	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Lead	B	0.070	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Lead	B	0.29	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Lead	B	0.16	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Lead	B	0.14	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Lithium		0.14	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Lithium	U	<0.050	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Lithium		0.10	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Lithium		0.14	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Magnesium	U	<4.6	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Magnesium	B	6.8	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Magnesium	B	21	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Magnesium	B	18	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Manganese	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Manganese	B	0.51	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Manganese	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Manganese	B	0.39	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Mercury - low level	U	<0.163	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Mercury - low level		0.452	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Mercury - low level		0.375	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Mercury - low level	U	<0.163	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Nitrogen, Nitrate	B	0.20	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Nitrogen, Nitrite		1.3	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Oil & Grease - Non Polar		5.8	2.4	5.2	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Oil & Grease - Non Polar	U	<2.5	2.5	5.4	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Oil & Grease - Non Polar		8.2	2.4	5.2	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Potassium	U	<5.7	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Potassium	B	6.4	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Potassium	B	330	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Potassium	B	350	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Silver	B	0.090	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Sodium		1800	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Sodium		950	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Sodium		3300	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Sodium		3100	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Sulfate	U	<0.51	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Sulfate	B	1.8	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Sulfate	U	<0.51	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Sulfate	B	2.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Thallium	B	0.14	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	TOC as NPOC	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	TOC as NPOC	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	TOC as NPOC	U	<0.72	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Total Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Total Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Total Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Total Alkalinity	B	2.2	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Total Dissolved Solids	U	<12	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Total Dissolved Solids	B	20	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Total Suspended Solids	U	<0.26	0.26	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Total Suspended Solids	U	<0.32	0.32	1.1	mg/L	1		SM 2540D	SM 2540D	Physical Property	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Total Suspended Solids	U	<0.31	0.31	1	mg/L	1		SM 2540D	SM 2540D	Physical Property	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Total Suspended Solids	U	<0.25	0.25	1.1	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Turbidity	U	<0.44	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Turbidity	U	<0.44	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Turbidity	U	<0.44	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Turbidity	B	0.50	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Vanadium	B	0.20	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Vanadium	B	0.28	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Vanadium	B	0.22	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Vanadium	B	0.42	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Field Blank	FBKS-002	1	Tier 1	882295-006	Zinc	B	6.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/1/2007	Field Blank	FBKS-003	1	Tier 1	883288-001	Zinc	B	8.0	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	Field Blank	FBKS-004	1	Tier 1	883369-001	Zinc	B	5.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	4/2/2007	Field Blank	FBKS-001	1	Tier 1	882218-009	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	WATER
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Antimony		8.3	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Arsenic	B	0.60	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Barium		8.2	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Boron		77	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Calcium		51000	130	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Chloride		13	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Chromium	B	0.38	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Cobalt		4.2	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	COD	B	13	11	53	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Copper		2.0	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Fluoride	B	0.27	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	DUPS-004	2	Tier 1	0705-0413	Gross Alpha		-0.099 +/- 0.531			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	0705-0411	Gross Alpha		1.80 +/- 1.33			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	0705-0411	Gross Beta		7.93 +/- 1.85			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	DUPS-004	2	Tier 1	0705-0413	Gross Beta		-0.114 +/- 0.807			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Iron		410	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Lead	B	0.060	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Lithium		3.2	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Magnesium		25000	46	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Manganese		290	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Mercury - low level	B	0.499	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Molybdenum		11	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Nickel		17	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Nitrogen, Nitrate		2.3	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Oil & Grease - Non Polar	U	<2.5	2.5	5.5	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Potassium		8400	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Sodium		13000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Sulfate		130	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	TOC as NPOC	B	1.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	TOC as NPOC - Dissolved		2.6	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Total Dissolved Solids		320	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Total Hardness		230000	1500	20000	ug/L	10		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Total Suspended Solids	B	0.46	0.35	1.1	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Turbidity		3.2	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Vanadium	B	0.25	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	HMP-001	HMP-001E	1	Tier 1	883369-003	Zinc	B	2.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	HMP-002	HMP-002	1	Tier 1		Flow		0			cfs					Field	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Aluminum	B	14	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Arsenic	B	0.42	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Barium		2.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Bicarbonate Alkalinity		29	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Boron		10	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Calcium		7000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Chloride	B	2.8	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Cobalt	B	0.060	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Prepared by: ECB/SVF
Checked by: JSL

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	COD	B	17	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Copper		1.3	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Fluoride	B	0.20	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	0705-0230	Gross Alpha		1.20 +/- 0.918			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	0705-0230	Gross Beta		3.00 +/- 1.26			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Iron		260	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Lead	B	0.14	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Lithium		2.4	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Magnesium		4300	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Manganese		7.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Mercury - low level		2.07	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Molybdenum	B	0.63	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Nickel	B	0.96	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Potassium		1800	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Sodium	B	190	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Sulfate		7.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	TOC as NPOC		4.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	TOC as NPOC - Dissolved		4.4	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Total Alkalinity		29	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Total Dissolved Solids		46	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Total Hardness		35000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Total Suspended Solids	B	1.8	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Turbidity		2.6	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Vanadium	B	0.33	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1	883288-004	Zinc	B	3.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Aluminum	B	7.0	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Arsenic		1.0	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Arsenic		1.0	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Barium		5.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Barium		5.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Bicarbonate Alkalinity		48	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Bicarbonate Alkalinity		51	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Boron		19	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Boron		19	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Calcium		11000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Calcium		11000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Chloride	B	3.2	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Chloride	B	3.2	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Chromium	B	0.45	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Chromium	B	0.54	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Cobalt	B	0.050	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Cobalt	B	0.070	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	COD	B	22	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	COD	B	22	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Fluoride	B	0.29	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Fluoride	B	0.30	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-02E	1	Tier 1	0705-0231	Gross Alpha		1.01 +/- 0.932			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-02E	1	Tier 1	0705-0231	Gross Beta		1.17 +/- 0.928			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Iron		910	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Iron		910	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Lead	B	0.31	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Lithium		2.8	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Lithium		2.8	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Magnesium		5000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Magnesium		5000	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Manganese		66	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Manganese		66	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Mercury - low level		1.23	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Mercury - low level		1.20	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Nickel		1.3	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Nickel		1.4	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Potassium		2300	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Potassium		2200	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Sodium		1500	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Sodium		1400	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Sulfate		4.2	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Sulfate		4.2	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	TOC as NPOC		5.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	TOC as NPOC		6.3	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	TOC as NPOC - Dissolved		6.0	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	TOC as NPOC - Dissolved		6.8	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Total Alkalinity		48	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Total Alkalinity		51	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Total Dissolved Solids		52	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Total Dissolved Solids		50	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Total Hardness		48000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Total Hardness		48000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Total Suspended Solids		3.8	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Total Suspended Solids		3.6	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Turbidity		5.3	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Turbidity		5.3	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Vanadium	B	0.24	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Vanadium	B	0.23	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	HTP-002	DUPS--003	2	Tier 1	883288-006	Zinc	B	2.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1	883288-005	Zinc	B	3.2	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Aluminum	B	14	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Arsenic	B	0.58	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Barium		3.6	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Bicarbonate Alkalinity		31	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Boron	B	7.1	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Calcium		7900	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Chloride	B	3.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Chromium	B	0.62	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Cobalt	B	0.10	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	COD	B	22	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Copper	B	0.84	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Fluoride	B	0.22	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	0705-0228	Gross Alpha		0.372 +/- 0.762			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	DUPS-003	2	Tier 1	0705-0232	Gross Alpha		0.017 +/- 0.532			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	0705-0228	Gross Beta		0.962 +/- 0.922			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	DUPS-003	2	Tier 1	0705-0232	Gross Beta		2.64 +/- 1.22			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Iron		540	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Lead	B	0.13	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Lithium		0.98	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Magnesium		3300	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Manganese		170	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Mercury - low level		0.990	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Nickel		1.8	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Oil & Grease - Non Polar	U	<2.5	2.5	5.3	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Potassium		1200	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Sodium		980	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Sulfate		4.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	TOC as NPOC		6.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	TOC as NPOC - Dissolved		6.1	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Total Alkalinity		31	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Total Dissolved Solids		46	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Total Hardness		33000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Total Suspended Solids	B	1.8	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Turbidity		2.5	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Vanadium	B	0.35	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1	883288-002	Zinc	B	3.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Aluminum	B	15	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Arsenic	B	0.56	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Barium		3.5	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Bicarbonate Alkalinity		33	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Boron	B	8.5	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Calcium		7700	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Chloride	B	3.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Chromium	B	0.33	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Cobalt	B	0.10	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	COD	B	24	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Copper	B	0.89	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Fluoride	B	0.21	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	0705-0229	Gross Alpha		0.098 +/- 0.624			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	0705-0229	Gross Beta		1.58 +/- 1.08			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Iron		480	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Lead	B	0.15	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Lithium		1.0	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Magnesium		3200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Manganese		160	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Mercury - low level		1.09	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Nickel		1.5	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Oil & Grease - Non Polar	U	<2.5	2.5	5.5	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Potassium		1100	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Sodium		950	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Sulfate		4.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	TOC as NPOC		5.7	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	TOC as NPOC - Dissolved		5.7	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Total Alkalinity		33	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Total Dissolved Solids		52	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Total Hardness		32000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Total Suspended Solids	B	1.6	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Turbidity		2.0	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Vanadium	B	0.31	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1	883288-003	Zinc	B	2.8	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Aluminum		64	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Arsenic	B	0.65	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Barium		5.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Bicarbonate Alkalinity		18	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Boron		11	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Calcium		5500	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Chloride		10	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Chromium	B	0.47	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Cobalt	B	0.19	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	COD	B	40	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBR-001	1	Tier 1		Flow		20			cfs					Field	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Fluoride	B	0.20	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	0704-0279	Gross Alpha		-0.333 +/- 0.510			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	DUP--001	2	Tier 1	0704-0278	Gross Alpha		1.59 +/- 1.29			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	DUP--001	2	Tier 1	0704-0278	Gross Beta		-0.016 +/- 1.51			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	0704-0279	Gross Beta		2.02 +/- 1.39			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Iron		1100	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Lead	B	0.23	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Lithium		0.71	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Magnesium		2500	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Manganese		120	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Mercury - low level		3.96	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Nickel	B	0.61	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Nitrogen, Nitrate	B	0.24	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Oil & Grease - Non Polar		6.1	2.4	5.1	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Potassium		1400	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Sodium		5600	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Sulfate		5.6	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	TOC as NPOC		13	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	TOC as NPOC - Dissolved		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Total Alkalinity		18	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Total Dissolved Solids		58	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Total Hardness		24000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Total Suspended Solids		5.6	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Turbidity		3.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Vanadium	B	0.48	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1	882218-004	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Aluminum		150	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Aluminum		151	6.4	51	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Arsenic	B	0.75	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Barium		6.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Beryllium	B	0.17	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Bicarbonate Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Boron	B	7.0	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Cadmium	B	0.22	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Calcium		3600	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Chloride	B	3.2	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Chromium	B	0.97	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Cobalt	B	0.30	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	COD	B	37	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Copper		1.1	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-001	MER-001	1	Tier 1		Flow		243			cfs					Field	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	0704-0386	Gross Alpha		0.017 +/- 0.538			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	0704-0386	Gross Beta		0.089 +/- 1.20			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Iron		450	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Lead	B	0.38	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Lithium		0.35	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Magnesium		1100	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Manganese		36	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Mercury - low level		6.09	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Nickel	B	0.81	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Nitrogen, Nitrate	B	0.28	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Oil & Grease - Non Polar		10	2.4	5.2	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Potassium		610	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Silver	B	0.060	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Sodium		980	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Sulfate		5.3	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Thallium	B	0.13	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	TOC as NPOC		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	TOC as NPOC - Dissolved		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Total Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Total Dissolved Solids		48	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Total Hardness		13000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Total Suspended Solids	B	1.8	0.59	2.5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Turbidity		1.5	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Vanadium	B	0.75	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1	882295-001	Zinc	B	9.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Aluminum		140	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Aluminum		160	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Arsenic	B	0.55	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Arsenic	B	0.77	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Barium		6.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Barium		7.4	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Bicarbonate Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Bicarbonate Alkalinity	B	8.8	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Boron	B	5.4	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Boron	B	6.0	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Calcium		3800	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Calcium		4000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Chloride	B	3.8	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Chloride	B	3.8	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Chromium	B	0.53	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Chromium	B	0.84	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Cobalt	B	0.14	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Cobalt	B	0.20	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	COD	B	42	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	COD	B	35	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Copper		1.0	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Copper		1.1	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MER-002	1	Tier 1		Flow		251			cfs					Field	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	0704-0389	Gross Alpha		0.628 +/- 0.840			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	0704-0387	Gross Alpha		0.497 +/- 0.644			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	0704-0387	Gross Beta		0.019 +/- 0.796			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	0704-0389	Gross Beta		0.501 +/- 0.902			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Iron		530	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Iron		460	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Lead	B	0.12	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Lead	B	0.24	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Lithium		0.36	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Lithium		0.36	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Magnesium		1200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Magnesium		1200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Manganese		39	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Manganese		43	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Mercury - low level		5.86	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Mercury - low level		6.09	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Nickel	B	0.64	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Nickel		1.1	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Nitrogen, Nitrate	B	0.29	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Nitrogen, Nitrate	B	0.30	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Oil & Grease - Non Polar		6.8	2.6	5.6	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Potassium		650	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Potassium		690	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Sodium		1500	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Sodium		1600	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Sulfate		5.6	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Sulfate		5.7	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	TOC as NPOC		17	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	TOC as NPOC		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	TOC as NPOC - Dissolved		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	TOC as NPOC - Dissolved		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Total Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Total Alkalinity	B	8.8	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Total Dissolved Solids		48	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Total Dissolved Solids	B	16	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Total Hardness		15000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Total Hardness		14000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Total Suspended Solids		3.0	0.48	2	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Total Suspended Solids	B	1.8	0.59	2.5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Turbidity		1.8	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Turbidity		2.3	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Vanadium	B	0.57	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Vanadium	B	0.65	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-002	DUP--002	2	Tier 1	882295-004	Zinc	B	8.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1	882295-002	Zinc	B	9.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Aluminum		140	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Arsenic	B	0.57	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Barium		7.1	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Bicarbonate Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Boron	B	5.7	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Calcium		3900	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Chloride	B	4.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Chromium	B	0.55	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Cobalt	B	0.17	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	COD	B	42	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Copper	B	0.98	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-003	MER-003	1	Tier 1		Flow		218			cfs					Field	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	0704-0388	Gross Alpha		-0.028 +/- 0.578			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	0704-0388	Gross Beta		0.558 +/- 0.775			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Iron		490	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Lead	B	0.11	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Lithium		0.37	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Magnesium		1200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Manganese		41	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Mercury - low level		5.79	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Nickel		1.0	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Nitrogen, Nitrate	B	0.30	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Oil & Grease - Non Polar		6.4	2.3	5.1	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Potassium		680	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Sodium		1700	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Sulfate		5.9	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	TOC as NPOC		14	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	TOC as NPOC - Dissolved		16	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Total Alkalinity	B	6.6	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Total Dissolved Solids	U	<11	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Total Hardness		15000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Total Suspended Solids	B	1.7	0.59	2.5	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Turbidity		2.1	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Vanadium	B	0.61	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1	882295-003	Zinc	B	9.3	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/1/2007	Trip Blank	TRIP BLANK	1	Tier 1	883288-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	882218-008	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	882295-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Trip Blank	TRIP BLANK	1	Tier 1	883288-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	882218-008	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	882295-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Trip Blank	TRIP BLANK	1	Tier 1	883288-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	882218-008	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	882295-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Trip Blank	TRIP BLANK	1	Tier 1	883288-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	882218-008	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	882295-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	5/1/2007	Trip Blank	TRIP BLANK	1	Tier 1	883288-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	Trip Blank	TRIP BLANK 1	1	Tier 1	882218-008	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/3/2007	Trip Blank	TRIP BLANK 2	1	Tier 1	882295-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	WATER
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Aluminum		200	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Arsenic	B	0.81	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Barium		7.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Bicarbonate Alkalinity	B	4.4	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Boron	B	6.6	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Calcium		3300	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Chloride		6.7	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Chromium	B	0.64	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Cobalt	B	0.31	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	COD		72	11	53	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Copper	B	0.69	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBR-001	1	Tier 1		Flow		3.3			cfs					Field	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Fluoride	B	0.19	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	0704-0282	Gross Alpha		1.25 +/- 0.980			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	0704-0282	Gross Beta		2.33 +/- 1.36			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Iron		1000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Lead	B	0.64	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Lithium		0.45	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Magnesium		1400	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Manganese		120	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Mercury - low level		8.72	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Nitrogen, Nitrate		0.57	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Oil & Grease - Non Polar		7.5	2.5	5.4	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Potassium		800	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Sodium		2900	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Sulfate		8.2	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	TOC as NPOC		36	2.9	8	mg/L	4		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	TOC as NPOC - Dissolved		26	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Total Alkalinity	B	4.4	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Total Dissolved Solids		92	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Total Hardness		14000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Total Suspended Solids		8.8	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Turbidity		2.4	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Vanadium	B	0.98	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1	882218-007	Zinc	B	1.9	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Aluminum		98	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Arsenic	B	0.98	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Barium		6.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Bicarbonate Alkalinity		11	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Boron	B	8.2	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Calcium		4400	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Chloride		25	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Chromium	B	0.45	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Cobalt	B	0.76	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	COD	B	37	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Copper	B	0.86	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBR-002	1	Tier 1		Flow		4.7			cfs					Field	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	0704-0281	Gross Alpha		0.303 +/- 1.17			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	0704-0281	Gross Beta		2.37 +/- 1.31			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Iron		2400	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Lead	B	0.18	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Lithium		0.63	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Magnesium		2200	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Manganese		400	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Mercury - low level		3.33	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Nickel		1.0	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Nitrogen, Nitrate	B	0.19	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Oil & Grease - Non Polar		8.9	2.5	5.4	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Potassium		1400	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Sodium		14000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Sulfate		5.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	TOC as NPOC		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	TOC as NPOC - Dissolved		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Total Alkalinity		11	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Total Dissolved Solids		98	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Total Hardness		20000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Total Suspended Solids		9.6	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Turbidity		12	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Vanadium	B	0.43	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1	882218-006	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Aluminum		50	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Aluminum	B	45	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Arsenic	B	0.90	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Arsenic	B	0.92	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Barium		5.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Barium		6.6	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Bicarbonate Alkalinity		13	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Bicarbonate Alkalinity		15	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Boron		12	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Boron		11	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Calcium		5100	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Calcium		5900	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Chloride		21	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Chloride		23	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Chromium	B	0.62	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Chromium		1.2	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Cobalt	B	0.36	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Cobalt	B	0.43	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	COD	B	31	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	COD	B	35	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Copper	B	0.63	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Copper	B	0.88	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBR-003	1	Tier 1		Flow		7.6			cfs					Field	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	0704-0277	Gross Alpha		0.874 +/- 0.808			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	0704-0277	Gross Beta		23.8 +/- 5.01			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Iron		1800	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Iron		2000	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Lead	B	0.15	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Lead	B	0.18	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Lithium		0.74	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Lithium		0.71	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Magnesium		2500	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Magnesium		2900	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Manganese		220	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Manganese		260	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Mercury - low level		2.96	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Mercury - low level		2.89	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Nickel	B	0.83	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Nickel		1.3	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Nitrogen, Nitrate	B	0.22	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Nitrogen, Nitrate	B	0.22	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Oil & Grease - Non Polar		15	2.5	5.3	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Oil & Grease - Non Polar		14	2.5	5.3	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Potassium		1500	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Potassium		1700	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Sodium		10000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Sodium		13000	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Sulfate		6.3	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Sulfate		6.3	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	TOC as NPOC		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	TOC as NPOC		12	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	TOC as NPOC - Dissolved		9.6	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	TOC as NPOC - Dissolved		11	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Total Alkalinity		13	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Total Alkalinity		15	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Total Dissolved Solids		98	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Total Dissolved Solids		82	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Total Hardness		27000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Total Hardness		23000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Total Suspended Solids		6.4	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Total Suspended Solids		6.0	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Turbidity		7.0	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Turbidity		6.6	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Vanadium	B	0.43	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Vanadium	B	0.46	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WBR-003	DUP001	2	Tier 1	882218-003	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1	882218-002	Zinc	U	<0.98	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0			cfs					Field	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Aluminum		140	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Arsenic		1.0	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Barium		45	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Bicarbonate Alkalinity		55	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Boron		20	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Calcium		15000	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Carbonate Alkalinity	U	<1.7	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Chloride		17	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Chromium	B	0.95	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Cobalt	B	0.64	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	COD	B	19	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Copper		1.5	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		<0.1			cfs					Field	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Fluoride	B	0.26	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	0704-0276	Gross Alpha		1.15 +/- 0.951			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	0704-0276	Gross Beta		1.58 +/- 0.953			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Iron		8200	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Lead		1.8	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Lithium		0.41	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Magnesium		5800	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Manganese		1700	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Mercury - low level		1.70	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Nickel		2.0	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Nitrogen, Ammonia	B	0.58	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Nitrogen, Nitrate	B	0.18	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Oil & Grease - Non Polar	U	<2.3	2.3	5.1	mg/L	1		EPA 1664 OG	EPA 1664 OG	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Potassium		1600	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Sodium		50000	170	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Sulfate		4.1	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Sulfide	U	<2.5	2.5	5	mg/L	1		EPA 376.1	EPA 376.1	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	TOC as NPOC		6.8	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	TOC as NPOC - Dissolved		7.0	0.72	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Total Alkalinity		55	1.7	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Total Dissolved Solids		110	11	20	mg/L	1		EPA 160.1	EPA 160.1	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Total Hardness		61000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Total Suspended Solids		32	0.95	4	mg/L	1		EPA 160.2	EPA 160.2	Physical Property	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Turbidity		21	0.44	1	NTU	1		EPA 180.1	EPA 180.1	Field	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Vanadium	B	0.76	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	4/2/2007	WLD-001SE	WLDS-001SE	1	Tier 1	882218-001	Zinc		360	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Aluminum	B	22	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Arsenic	B	0.20	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Barium		11	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Bicarbonate Alkalinity		15	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Boron	B	3.9	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Calcium		5200	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Chloride	B	2.8	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Chromium	B	0.62	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Cobalt	B	0.030	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	COD	B	26	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	0705-0410	Gross Alpha		0.284 +/- 0.608			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	0705-0410	Gross Beta		-0.211 +/- 0.792			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Iron		2100	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Lead	B	0.080	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Lithium		0.15	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Magnesium		1100	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Manganese		22	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Mercury - low level		1.61	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Oil & Grease - Non Polar	U	<2.4	2.4	5.2	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Potassium		670	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Sodium		560	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Sulfate		4.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	TOC as NPOC		6.2	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	TOC as NPOC - Dissolved		6.1	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Total Alkalinity		15	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Total Dissolved Solids		120	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Total Hardness		18000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Total Suspended Solids		3.4	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Turbidity		3.4	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Vanadium	B	0.38	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1	883369-002	Zinc	B	2.6	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Aluminum	U	<6.3	6.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Antimony	U	<0.24	0.24	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Arsenic	B	0.29	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Arsenic	B	0.27	0.13	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Barium		8.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Barium		8.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Benzene	U	<0.14	0.14	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Beryllium	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Bicarbonate Alkalinity		18	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Bicarbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Boron	B	2.8	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Boron	B	3.9	1.2	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Cadmium	U	<0.12	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Calcium		6100	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Calcium		6200	13	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Chloride	B	3.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Chloride	B	3.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Chromium	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Chromium	B	0.40	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Cobalt	B	0.030	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Cobalt	B	0.040	0.026	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	COD	B	24	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	COD	B	24	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Copper	U	<0.59	0.59	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Ethylbenzene	U	<0.40	0.4	1	ug/l	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Fluoride	U	<0.059	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	0705-0412	Gross Alpha		0.073 +/- 0.609			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	0705-0412	Gross Beta		-0.174 +/- 0.740			pCi/L	1		NA	EPA 900.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Iron		570	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Iron		570	9.3	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Lead	U	<0.049	0.049	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Lithium		0.15	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Lithium		0.16	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Magnesium		1500	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Magnesium		1500	4.6	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Manganese		110	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Manganese		110	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Mercury - low level		1.13	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Mercury - low level		1.04	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Molybdenum	U	<0.61	0.61	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Nickel	U	<0.32	0.32	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Nitrogen, Nitrite	U	<0.030	0.03	0.2	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Oil & Grease - Non Polar	U	<2.6	2.6	5.6	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Oil & Grease - Non Polar	U	<2.4	2.4	5.3	mg/L	1		EPA 1664 TPH	EPA 1664 TPH	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Potassium		960	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Potassium		950	5.7	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Selenium	U	<0.67	0.67	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Silver	U	<0.034	0.034	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Sodium		710	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Sodium		720	17	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Sulfate		4.8	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Sulfate		4.9	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Thallium	U	<0.053	0.053	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	TOC as NPOC		5.0	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	TOC as NPOC		5.5	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	TOC as NPOC - Dissolved		5.6	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	TOC as NPOC - Dissolved		5.8	1.4	2	mg/L	1		EPA 415.2	EPA 415.2	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Toluene	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Total Alkalinity		18	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Total Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Total Dissolved Solids		42	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Total Dissolved Solids		22	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Total Hardness		21000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Total Hardness		21000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Total Suspended Solids		2.6	0.31	1	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Total Suspended Solids		2.8	0.36	1.2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Turbidity		2.3	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Turbidity		2.3	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Vanadium	B	0.36	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Vanadium	B	0.27	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Xylenes, m + p	U	<0.74	0.74	2	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	xylenes, o	U	<0.36	0.36	1	ug/L	1		SW846 5030B	SW846 8021B	VOC	SW
4/2/2007	5/2/2007	WLD-003	DUPS--004	2	Tier 1	883369-005	Zinc	B	2.7	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
4/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1	883369-004	Zinc	B	2.4	0.98	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
5/2/2007	5/3/2007	EBR-001	EBR-001	1	Tier 1		Flow		0			cfs					Field	SW
5/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1		pH		7.07			S.U.					Field	SW
5/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1		Specific Conductance		71.4			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/2/2007	EBR-001	EBRS-001	1	Tier 1		Temperature		2			Celcius					Field	SW
5/2/2007	5/2/2007	HMP-001	HMPS-001E	1	Tier 1		Dissolved Oxygen		6			mg/L		40			Field	SW
5/2/2007	5/2/2007	HMP-001	HMPS-001E	1	Tier 1		pH		7.5			S.U.		40			Field	SW
5/2/2007	5/2/2007	HMP-001	HMPS-001E	1	Tier 1		Specific Conductance		481.3			umhos/cm @25 degrees C		40			Field	SW
5/2/2007	5/2/2007	HMP-001	HMPS-001E	1	Tier 1		Temperature		4.9			Celcius		40			Field	SW
5/2/2007	5/2/2007	HMP-002	HMP-002	1	Tier 1		Flow		0			cfs					Field	SW
5/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
5/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1		pH		7.83			S.U.					Field	SW
5/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1		Specific Conductance		67.9			umhos/cm @25 degrees C					Field	SW
5/2/2007	5/1/2007	HTP-001	HTPS-001E	1	Tier 1		Temperature		14			Celcius					Field	SW
5/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
5/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1		pH		7.12			S.U.					Field	SW
5/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1		Specific Conductance		96.3			umhos/cm @25 degrees C					Field	SW
5/2/2007	5/1/2007	HTP-002	HTPS-002E	1	Tier 1		Temperature		13.7			Celcius					Field	SW
5/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1		Dissolved Oxygen		9			mg/L		5			Field	SW
5/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1		pH		7.23			S.U.		5			Field	SW
5/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1		Specific Conductance		63.7			umhos/cm @25 degrees C		5			Field	SW
5/2/2007	5/1/2007	LKL-001	LKLS-001E	1	Tier 1		Temperature		9.9			Celcius		5			Field	SW
5/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1		Dissolved Oxygen		9			mg/L		6			Field	SW
5/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1		pH		7.1			S.U.		6			Field	SW
5/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1		Specific Conductance		63.9			umhos/cm @25 degrees C		6			Field	SW
5/2/2007	5/1/2007	LKL-002	LKLS-002E	1	Tier 1		Temperature		10.5			Celcius		6			Field	SW
5/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
5/2/2007	5/2/2007	MBR-001	MBR-001	1	Tier 1		Flow		4.2			cfs					Field	SW
5/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1		pH		6.84			S.U.					Field	SW
5/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1		Specific Conductance		87.7323420074349			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/2/2007	MBR-001	MBRS-001	1	Tier 1		Temperature		1.9			Celcius					Field	SW
5/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
5/2/2007	5/3/2007	MER-001	MER-001	1	Tier 1		Flow		60			cfs					Field	SW
5/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1		pH		6.1			S.U.					Field	SW
5/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1		Specific Conductance		33.921568627451			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/3/2007	MER-001	MERS-001	1	Tier 1		Temperature		0.5			Celcius					Field	SW
5/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1		Dissolved Oxygen		9			mg/L					Field	SW
5/2/2007	5/3/2007	MER-002	MER-002	1	Tier 1		Flow		62			cfs					Field	SW
5/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1		pH		5.52			S.U.					Field	SW
5/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1		Specific Conductance		38			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/3/2007	MER-002	MERS-002	1	Tier 1		Temperature		0.7			Celcius					Field	SW
5/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
5/2/2007	5/3/2007	MER-003	MER-003	1	Tier 1		Flow		66			cfs					Field	SW
5/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1		pH		6.2			S.U.					Field	SW
5/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1		Specific Conductance		42			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/3/2007	MER-003	MERS-003	1	Tier 1		Temperature		0.8			Celcius					Field	SW
5/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
5/2/2007	5/2/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.4			cfs					Field	SW
5/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1		pH		5.07			S.U.					Field	SW
5/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1		Specific Conductance		49.3			umhos/cm @25 degrees C					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/2/2007	4/2/2007	WBR-001	WBRS-001	1	Tier 1		Temperature		2.2			Celcius					Field	SW
5/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
5/2/2007	5/2/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.6			cfs					Field	SW
5/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1		pH		6.66			S.U.					Field	SW
5/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1		Specific Conductance		132			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/2/2007	WBR-002	WBRS-002	1	Tier 1		Temperature		3.05			Celcius					Field	SW
5/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
5/2/2007	5/2/2007	WBR-003	WBR-003	1	Tier 1		Flow		1.1			cfs					Field	SW
5/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1		pH		6.2			S.U.					Field	SW
5/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1		Specific Conductance		115			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/2/2007	WBR-003	WBRS-003	1	Tier 1		Temperature		1.5			Celcius					Field	SW
5/2/2007	5/2/2007	WLD-001NW	WLDS-001NW	1	Tier 1		Dissolved Oxygen		d			mg/L					Field	SW
5/2/2007	5/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		<0.1			cfs					Field	SW
5/2/2007	5/2/2007	WLD-001NW	WLDS-001NW	1	Tier 1		pH		d			S.U.					Field	SW
5/2/2007	5/2/2007	WLD-001NW	WLDS-001NW	1	Tier 1		Specific Conductance		d			umhos/cm @25 degrees C					Field	SW
5/2/2007	5/2/2007	WLD-001NW	WLDS-001NW	1	Tier 1		Temperature		d			Celcius					Field	SW
5/2/2007	4/3/2007	WLD-001SE	WLDS-001SE	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
5/2/2007	5/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0			cfs					Field	SW
5/2/2007	4/3/2007	WLD-001SE	WLDS-001SE	1	Tier 1		pH		6.5			S.U.					Field	SW
5/2/2007	4/3/2007	WLD-001SE	WLDS-001SE	1	Tier 1		Specific Conductance		478			umhos/cm @25 degrees C					Field	SW
5/2/2007	4/3/2007	WLD-001SE	WLDS-001SE	1	Tier 1		Temperature		1			Celcius					Field	SW
5/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
5/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1		pH		7			S.U.					Field	SW
5/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1		Specific Conductance		36.3			umhos/cm @25 degrees C					Field	SW
5/2/2007	5/2/2007	WLD-002	WLDS-002	1	Tier 1		Temperature		12.7			Celcius					Field	SW
5/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
5/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1		pH		7.6			S.U.					Field	SW
5/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1		Specific Conductance		44.6			umhos/cm @25 degrees C					Field	SW
5/2/2007	5/2/2007	WLD-003	WLDS-003	1	Tier 1		Temperature		13.8			Celcius					Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		75			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		144			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		147			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		150			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		153			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		156			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		2			mg/L		102			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		5			mg/L		90			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		1			mg/L		108			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		1			mg/L		111			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		1			mg/L		114			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		2			mg/L		99			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		2			mg/L		105			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.5			mg/L		123			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		5			mg/L		93			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		5			mg/L		96			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		6			mg/L		84			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		6			mg/L		87			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		surface			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		12			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		15			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		18			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		21			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		45			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		48			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		NM			mg/L		171			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		NM			mg/L		165			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		NM			mg/L		162			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		NM			mg/L		141			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		60			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		57			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		51			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		42			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		39			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		36			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		33			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		30			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		27			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		24			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		78			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		72			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		69			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		8			mg/L		54			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		66			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		81			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		63			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.8			mg/L		120			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.2			mg/L		126			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.8			mg/L		117			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.2			mg/L		138			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.2			mg/L		159			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.3			mg/L		132			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.3			mg/L		135			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.4			mg/L		129			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		9			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		0.1			mg/L		168			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Dissolved Oxygen		7			mg/L		3			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.28			S.U.		63			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.91			S.U.		15			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.37			S.U.		39			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.45			S.U.		33			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.52			S.U.		30			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.57			S.U.		27			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.67			S.U.		24			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.85			S.U.		21			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.87			S.U.		12			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.2			S.U.		81			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.91			S.U.		surface			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.33			S.U.		168			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.94			S.U.		3			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.94			S.U.		6			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.95			S.U.		9			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		NM			S.U.		162			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		NM			S.U.		165			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		NM			S.U.		171			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.87			S.U.		18			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.28			S.U.		54			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.12			S.U.		87			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.28			S.U.		150			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.07			S.U.		111			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.08			S.U.		99			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.08			S.U.		108			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.09			S.U.		93			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.09			S.U.		117			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.1			S.U.		96			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.06			S.U.		102			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.11			S.U.		123			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.05			S.U.		105			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.13			S.U.		126			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.15			S.U.		90			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.15			S.U.		129			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.15			S.U.		132			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.17			S.U.		84			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.17			S.U.		141			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.28			S.U.		156			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.29			S.U.		57			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.29			S.U.		153			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.3			S.U.		159			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.31			S.U.		51			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.31			S.U.		66			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.2			S.U.		138			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.26			S.U.		48			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.22			S.U.		72			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.22			S.U.		75			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.24			S.U.		78			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.25			S.U.		69			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.25			S.U.		144			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.25			S.U.		147			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.37			S.U.		36			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.28			S.U.		45			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.36			S.U.		42			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.22			S.U.		60			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.06			S.U.		114			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.18			S.U.		135			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		pH		7.1			S.U.		120			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		18			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		540			umhos/cm @25 degrees C		72			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		573			umhos/cm @25 degrees C		93			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		530			umhos/cm @25 degrees C		48			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		668			umhos/cm @25 degrees C		111			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		665			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		531			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		662			umhos/cm @25 degrees C		108			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		652			umhos/cm @25 degrees C		105			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		533			umhos/cm @25 degrees C		54			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		638			umhos/cm @25 degrees C		102			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		624			umhos/cm @25 degrees C		99			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		533			umhos/cm @25 degrees C		57			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		528			umhos/cm @25 degrees C		45			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		565			umhos/cm @25 degrees C		90			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		535			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		559			umhos/cm @25 degrees C		87			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		555			umhos/cm @25 degrees C		84			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		547			umhos/cm @25 degrees C		81			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		545			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		541			umhos/cm @25 degrees C		75			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		536			umhos/cm @25 degrees C		63			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		537			umhos/cm @25 degrees C		66			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		538			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		584			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		731			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C		171			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C		165			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C		162			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		754			umhos/cm @25 degrees C		168			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		752			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		749			umhos/cm @25 degrees C		156			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		748			umhos/cm @25 degrees C		153			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		746			umhos/cm @25 degrees C		150			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		740			umhos/cm @25 degrees C		147			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		675			umhos/cm @25 degrees C		117			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		736			umhos/cm @25 degrees C		144			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		678			umhos/cm @25 degrees C		120			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		521			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		721			umhos/cm @25 degrees C		138			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		718			umhos/cm @25 degrees C		135			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		524			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		711			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		711			umhos/cm @25 degrees C		126			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		527			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		706			umhos/cm @25 degrees C		129			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		690			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Specific Conductance		519			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5			Celcius		78			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		153			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11.1			Celcius		15			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11.1			Celcius		12			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11			Celcius		18			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11			Celcius		surface			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		10.8			Celcius		21			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		7.8			Celcius		27			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		6.9			Celcius		33			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		6.3			Celcius		36			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		6			Celcius		39			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.5			Celcius		42			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		168			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		48			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		156			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		120			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		150			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		147			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		144			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		45			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		141			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		138			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		135			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		132			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		129			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		126			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.4			Celcius		159			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11.5			Celcius		6			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		NM			Celcius		171			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		NM			Celcius		165			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		NM			Celcius		162			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		8.9			Celcius		24			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11.3			Celcius		9			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5			Celcius		54			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		117			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		114			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		111			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		108			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		105			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		102			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.2			Celcius		51			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.1			Celcius		99			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5			Celcius		96			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5			Celcius		93			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		11.6			Celcius		3			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5			Celcius		57			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		5.3			Celcius		123			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		90			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		87			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		84			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		81			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		75			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		72			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		69			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		66			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.9			Celcius		60			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		4.8			Celcius		63			Field	SW
5/22/2007	5/22/2007	HPL-001	HPL-001	1	Tier 1		Temperature		7.4			Celcius		30			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		42			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		24			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		27			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		30			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		33			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		39			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		51			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		60			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		69			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		78			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		87			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		18			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		36			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		12			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		4			mg/L		96			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.1			mg/L		150			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.1			mg/L		132			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.1			mg/L		141			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		21			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.1			mg/L		159			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.1			mg/L		168			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.2			mg/L		123			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		0.9			mg/L		114			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		15			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		surface			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		1			mg/L		105			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Dissolved Oxygen		8			mg/L		9			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.68			S.U.		27			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.39			S.U.		36			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.11			S.U.		78			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.15			S.U.		150			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.17			S.U.		159			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.19			S.U.		168			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.22			S.U.		69			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.23			S.U.		60			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.29			S.U.		51			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.8			S.U.		6			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.38			S.U.		39			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.79			S.U.		12			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.48			S.U.		33			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.65			S.U.		30			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		6.95			S.U.		105			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.01			S.U.		96			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		6.93			S.U.		114			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.1			S.U.		87			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.79			S.U.		9			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.81			S.U.		18			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.84			S.U.		21			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.85			S.U.		15			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		6.93			S.U.		123			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.69			S.U.		24			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.76			S.U.		surface			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.76			S.U.		3			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.32			S.U.		42			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		7.06			S.U.		141			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		pH		6.97			S.U.		132			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		758			umhos/cm @25 degrees C		168			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		757			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		748			umhos/cm @25 degrees C		150			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		579			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		732			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		711			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		698			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		677			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		554			umhos/cm @25 degrees C		87			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		533			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		545			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		523			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		528			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		539			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		638			umhos/cm @25 degrees C		105			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		519			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		12.85			Celcius		18			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		7.97			Celcius		30			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		13.97			Celcius		3			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		13.77			Celcius		6			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		12.44			Celcius		21			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.32			Celcius		51			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		13.16			Celcius		9			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		13.44			Celcius		surface			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		13.08			Celcius		12			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.3			Celcius		132			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.29			Celcius		114			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		12.97			Celcius		15			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.36			Celcius		159			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.67			Celcius		42			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.7			Celcius		150			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		6.53			Celcius		36			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.38			Celcius		168			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		6.73			Celcius		39			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		10.48			Celcius		27			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		11.57			Celcius		24			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.36			Celcius		141			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		6.94			Celcius		33			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.05			Celcius		105			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		4.96			Celcius		87			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		4.96			Celcius		60			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		4.91			Celcius		69			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		4.82			Celcius		78			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.27			Celcius		123			Field	SW
5/22/2007	5/25/2007	HPL-002	HPL-002	1	Tier 1		Temperature		5.28			Celcius		96			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		9			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		60			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		surface			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		159			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		150			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		177			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.5			mg/L		123			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		12			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		69			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		78			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		30			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		27			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		24			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		21			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		18			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		15			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		42			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		39			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		36			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		6			mg/L		87			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		4			mg/L		96			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		2			mg/L		105			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		168			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		1			mg/L		114			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		51			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.25			mg/L		141			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.25			mg/L		132			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8			mg/L		33			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.03			S.U.		15			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.29			S.U.		150			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.38			S.U.		168			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.39			S.U.		60			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.39			S.U.		177			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		69			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.41			S.U.		78			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.22			S.U.		96			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.22			S.U.		132			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.17			S.U.		105			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.25			S.U.		141			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.18			S.U.		123			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.17			S.U.		114			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.02			S.U.		3			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.94			S.U.		21			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.01			S.U.		18			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.98			S.U.		12			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.56			S.U.		30			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.43			S.U.		42			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.43			S.U.		51			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.46			S.U.		36			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.52			S.U.		39			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.8			S.U.		24			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.58			S.U.		33			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.63			S.U.		27			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.35			S.U.		159			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		7.32			S.U.		87			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.06			S.U.		9			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.07			S.U.		surface			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		pH		8.1			S.U.		6			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		523			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		521			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		21			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		760			umhos/cm @25 degrees C		177			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		759			umhos/cm @25 degrees C		168			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		755			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		752			umhos/cm @25 degrees C		150			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		735			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		711			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		694			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		678			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		539			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		648			umhos/cm @25 degrees C		105			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		532			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		529			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		527			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		556			umhos/cm @25 degrees C		87			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		592			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.28			Celcius		36			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.25			Celcius		18			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		11.9			Celcius		surface			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.33			Celcius		15			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		8.98			Celcius		24			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		7.79			Celcius		27			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		7.51			Celcius		30			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.73			Celcius		33			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		11.8			Celcius		21			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.31			Celcius		12			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.65			Celcius		6			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.57			Celcius		3			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		12.45			Celcius		9			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.14			Celcius		105			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.13			Celcius		51			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		4.97			Celcius		96			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		4.96			Celcius		60			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		4.91			Celcius		69			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		4.86			Celcius		87			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		4.85			Celcius		78			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.71			Celcius		39			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		168			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		42			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.37			Celcius		150			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.35			Celcius		177			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.34			Celcius		141			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.32			Celcius		123			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.28			Celcius		132			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.28			Celcius		114			Field	SW
5/22/2007	5/23/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.38			Celcius		159			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		132			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		177			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		33			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		30			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		27			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		24			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		21			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		1			mg/L		105			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		18			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		15			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		12			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		3			mg/L		96			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		39			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		36			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		8			mg/L		9			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		8			mg/L		surface			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		150			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.4			mg/L		114			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.2			mg/L		159			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		186			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		168			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		60			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.2			mg/L		123			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		87			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		78			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		69			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		51			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		7			mg/L		42			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Dissolved Oxygen		0.1			mg/L		141			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.47			S.U.		39			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.49			S.U.		51			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.52			S.U.		42			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.06			S.U.		12			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.54			S.U.		33			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.05			S.U.		21			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.65			S.U.		30			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.78			S.U.		27			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.96			S.U.		24			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.56			S.U.		36			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.09			S.U.		9			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.09			S.U.		18			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.08			S.U.		15			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.12			S.U.		surface			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.42			S.U.		3			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		8.13			S.U.		6			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.33			S.U.		150			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.35			S.U.		159			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.39			S.U.		78			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.4			S.U.		168			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.43			S.U.		177			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.43			S.U.		186			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.44			S.U.		60			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.45			S.U.		69			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.18			S.U.		105			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.18			S.U.		114			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.18			S.U.		123			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.22			S.U.		132			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.24			S.U.		96			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.24			S.U.		141			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		pH		7.36			S.U.		87			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		545			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		692			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		679			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		594			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		639			umhos/cm @25 degrees C		105			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		729			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		562			umhos/cm @25 degrees C		87			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		749			umhos/cm @25 degrees C		186			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		731			umhos/cm @25 degrees C		150			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		705			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		745			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		9			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		533			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		530			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		528			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		521			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		521			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		539			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		747			umhos/cm @25 degrees C		168			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		750			umhos/cm @25 degrees C		177			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Specific Conductance		535			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.43			Celcius		159			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		6.98			Celcius		33			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		6.56			Celcius		36			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.88			Celcius		39			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.74			Celcius		141			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.64			Celcius		42			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.49			Celcius		168			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.44			Celcius		150			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.37			Celcius		186			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.37			Celcius		177			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.37			Celcius		114			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.34			Celcius		132			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.46			Celcius		123			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.49			Celcius		3			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.47			Celcius		6			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.33			Celcius		15			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.29			Celcius		9			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.24			Celcius		12			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		13.17			Celcius		18			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		8.07			Celcius		30			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		12.92			Celcius		21			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		12.83			Celcius		surface			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		10.95			Celcius		24			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		9.56			Celcius		27			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.24			Celcius		105			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.16			Celcius		51			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.09			Celcius		96			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.06			Celcius		69			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.04			Celcius		78			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.03			Celcius		87			Field	SW
5/22/2007	5/24/2007	HPL-004	HPL-004	1	Tier 1		Temperature		5.02			Celcius		60			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		30			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		27			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		24			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		21			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		18			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		15			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		12			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		9			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		0.2			mg/L		126			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		45			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		63			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		surface			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		3			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		33			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		36			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		42			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		54			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		81			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		72			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		7			mg/L		39			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		6			mg/L		90			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		4			mg/L		99			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		0.4			mg/L		117			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		0.2			mg/L		153			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		0.2			mg/L		144			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		0.2			mg/L		135			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Dissolved Oxygen		1			mg/L		108			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.94			S.U.		18			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.09			S.U.		99			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.34			S.U.		42			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.26			S.U.		153			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.15			S.U.		126			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.23			S.U.		90			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.23			S.U.		144			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.26			S.U.		72			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.24			S.U.		81			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.27			S.U.		54			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.52			S.U.		33			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.89			S.U.		3			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.11			S.U.		117			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.92			S.U.		24			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.94			S.U.		12			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.94			S.U.		21			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.95			S.U.		9			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.95			S.U.		15			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.93			S.U.		6			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.42			S.U.		36			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.42			S.U.		39			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.64			S.U.		30			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.74			S.U.		27			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.91			S.U.		surface			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.31			S.U.		45			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.32			S.U.		63			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.16			S.U.		135			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		pH		7.11			S.U.		108			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		510			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		740			umhos/cm @25 degrees C		144			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		747			umhos/cm @25 degrees C		153			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		716			umhos/cm @25 degrees C		135			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		703			umhos/cm @25 degrees C		126			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		661			umhos/cm @25 degrees C		108			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		528			umhos/cm @25 degrees C		45			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		535			umhos/cm @25 degrees C		63			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		535			umhos/cm @25 degrees C		54			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		687			umhos/cm @25 degrees C		117			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		540			umhos/cm @25 degrees C		72			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		527			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		525			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		524			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		524			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		597			umhos/cm @25 degrees C		99			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		546			umhos/cm @25 degrees C		81			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Specific Conductance		560			umhos/cm @25 degrees C		90			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		10.37			Celcius		27			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.3			Celcius		9			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.27			Celcius		15			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.27			Celcius		12			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.24			Celcius		21			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.22			Celcius		18			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.19			Celcius		24			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		11.7			Celcius		surface			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		8.02			Celcius		30			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		6.49			Celcius		33			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		6.37			Celcius		36			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.32			Celcius		6			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		12.36			Celcius		3			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		4.92			Celcius		72			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.04			Celcius		99			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		4.95			Celcius		54			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		4.92			Celcius		90			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.27			Celcius		45			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		4.76			Celcius		63			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		4.94			Celcius		81			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.72			Celcius		39			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.5			Celcius		42			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.44			Celcius		153			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.41			Celcius		144			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.2			Celcius		108			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.22			Celcius		117			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.29			Celcius		135			Field	SW
5/22/2007	5/23/2007	HPL-005	HPL-005	1	Tier 1		Temperature		5.28			Celcius		126			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.4			mg/L		114			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		6			mg/L		96			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		21			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		24			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		27			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		30			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		18			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		15			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		12			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		9			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		69			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		surface			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		87			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		186			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		177			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		168			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		159			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		150			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		141			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.1			mg/L		132			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		1			mg/L		105			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		0.2			mg/L		123			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		60			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		51			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		42			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		39			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		36			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		33			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Dissolved Oxygen		7			mg/L		78			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.36			S.U.		186			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.74			S.U.		24			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.91			S.U.		12			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.54			S.U.		27			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.46			S.U.		42			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.49			S.U.		30			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.97			S.U.		surface			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.8			S.U.		21			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.9			S.U.		6			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.95			S.U.		3			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.91			S.U.		18			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.94			S.U.		15			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.92			S.U.		9			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.32			S.U.		60			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.33			S.U.		69			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.33			S.U.		159			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.34			S.U.		51			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.35			S.U.		168			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.45			S.U.		39			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.36			S.U.		177			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.24			S.U.		141			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.44			S.U.		36			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.45			S.U.		33			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.17			S.U.		96			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.09			S.U.		105			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.29			S.U.		150			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.16			S.U.		123			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.28			S.U.		78			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.18			S.U.		132			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.22			S.U.		87			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		pH		7.11			S.U.		114			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		541			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		580			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		560			umhos/cm @25 degrees C		87			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		715			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		699			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		534			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		532			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		512			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		512			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		504			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		519			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		523			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		522			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		522			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		521			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		642			umhos/cm @25 degrees C		105			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		728			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		753			umhos/cm @25 degrees C		186			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		674			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		771			umhos/cm @25 degrees C		177			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		760			umhos/cm @25 degrees C		168			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		754			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		751			umhos/cm @25 degrees C		150			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Specific Conductance		529			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		7			Celcius		33			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		6.58			Celcius		36			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		6.27			Celcius		39			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.83			Celcius		42			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.29			Celcius		123			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		8.93			Celcius		27			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.41			Celcius		150			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.4			Celcius		168			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.4			Celcius		159			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.37			Celcius		141			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.36			Celcius		177			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.34			Celcius		132			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		13.07			Celcius		9			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		7.38			Celcius		30			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		13.12			Celcius		3			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		13.02			Celcius		12			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		13			Celcius		15			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		12.95			Celcius		18			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		12.63			Celcius		surface			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		11.39			Celcius		21			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		10.41			Celcius		24			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		13.15			Celcius		6			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.32			Celcius		186			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		4.72			Celcius		78			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.23			Celcius		114			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.16			Celcius		105			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.11			Celcius		51			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		5.02			Celcius		96			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		4.96			Celcius		60			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		4.77			Celcius		69			Field	SW
5/22/2007	5/24/2007	HPL-006	HPL-006	1	Tier 1		Temperature		4.79			Celcius		87			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		30			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		78			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		18			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		60			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		51			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		42			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		39			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		36			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		33			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		27			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		24			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		21			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.2			mg/L		141			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.1			mg/L		159			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.1			mg/L		150			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		3			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		15			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		12			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		surface			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		9			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		6			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		7			mg/L		69			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		6			mg/L		87			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		4			mg/L		96			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		1			mg/L		105			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.2			mg/L		132			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.2			mg/L		123			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Dissolved Oxygen		0.2			mg/L		114			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.33			S.U.		87			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.35			S.U.		78			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.35			S.U.		159			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.41			S.U.		60			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.2			S.U.		114			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.2			S.U.		105			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.22			S.U.		123			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.27			S.U.		141			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.25			S.U.		96			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.25			S.U.		132			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.01			S.U.		18			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.02			S.U.		12			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.01			S.U.		21			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.48			S.U.		42			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.76			S.U.		27			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.46			S.U.		39			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.47			S.U.		51			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.83			S.U.		24			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.59			S.U.		36			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.63			S.U.		33			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.65			S.U.		30			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.41			S.U.		69			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		7.3			S.U.		150			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.03			S.U.		surface			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.03			S.U.		15			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.04			S.U.		9			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.05			S.U.		3			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		pH		8.05			S.U.		6			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		3			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		514			umhos/cm @25 degrees C		surface			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		33			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		30			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		27			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		517			umhos/cm @25 degrees C		24			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		6			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		21			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		18			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		15			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		12			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		9			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		757			umhos/cm @25 degrees C		159			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		651			umhos/cm @25 degrees C		105			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		733			umhos/cm @25 degrees C		141			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		712			umhos/cm @25 degrees C		132			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		695			umhos/cm @25 degrees C		123			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		684			umhos/cm @25 degrees C		114			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		749			umhos/cm @25 degrees C		150			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		538			umhos/cm @25 degrees C		69			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		534			umhos/cm @25 degrees C		60			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		527			umhos/cm @25 degrees C		42			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C		39			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		523			umhos/cm @25 degrees C		36			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		530			umhos/cm @25 degrees C		51			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		542			umhos/cm @25 degrees C		78			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		552			umhos/cm @25 degrees C		87			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Specific Conductance		583			umhos/cm @25 degrees C		96			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.76			Celcius		39			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.12			Celcius		21			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.03			Celcius		surface			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		9.37			Celcius		24			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		7.89			Celcius		27			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		7.58			Celcius		30			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		6.74			Celcius		33			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.67			Celcius		3			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.63			Celcius		9			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.63			Celcius		6			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.6			Celcius		12			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.54			Celcius		18			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		12.51			Celcius		15			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.14			Celcius		105			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.12			Celcius		51			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		4.95			Celcius		60			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		4.94			Celcius		96			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		4.88			Celcius		87			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		4.88			Celcius		69			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		4.86			Celcius		78			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.98			Celcius		36			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.35			Celcius		123			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.49			Celcius		141			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.44			Celcius		150			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.42			Celcius		159			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.35			Celcius		42			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.34			Celcius		132			Field	SW
5/22/2007	5/23/2007	HPL-007	HPL-007	1	Tier 1		Temperature		5.29			Celcius		114			Field	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Antimony	B	0.13	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Antimony	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Arsenic	B	0.21	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Arsenic	B	0.19	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Barium	B	0.18	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Barium	B	0.090	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Bicarbonate Alkalinity	B	4.3	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Bicarbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Boron		210	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Boron		210	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Cadmium	B	0.11	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Calcium	B	13	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Calcium	U	<10	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Chloride	B	4.0	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Chloride	B	3.9	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Cobalt	U	<0.059	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Cobalt	U	<0.059	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	COD	U	<11	11	53	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Copper		1.1	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Copper		1.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Fluoride	B	0.16	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Fluoride	B	0.16	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Iron	U	<2.9	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Iron	B	4.8	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Iron, Ferric	U	<26	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Iron, Ferric	U	<26	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Lead	B	0.16	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Lead	B	0.090	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Lithium		0.44	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Lithium		0.77	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Magnesium	U	<53	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Magnesium	U	<53	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Manganese	B	0.77	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Manganese	U	<0.080	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Mercury - low level		0.247	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Mercury - low level		0.235	0.163	0.163	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Molybdenum	U	<0.12	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Molybdenum	B	0.33	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Nickel	U	<0.075	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Nickel	B	0.11	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Nitrogen, Nitrate	U	<0.085	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Potassium	B	47	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Potassium	B	39	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Selenium	B	0.17	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Silver	B	0.13	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Sodium		2900	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Sodium		2900	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Sulfate	U	<0.51	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Sulfate	B	1.6	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Thallium	B	0.050	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	TOC as NPOC	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	TOC as NPOC	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Total Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Total Alkalinity	B	4.3	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Total Dissolved Solids	U	<12	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Total Dissolved Solids	U	<12	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Total Hardness	U	<150	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Total Suspended Solids	U	<0.34	0.34	1.1	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Total Suspended Solids	U	<0.61	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Turbidity		0.26			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Turbidity	B	0.69	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	Field Blank	FBK-001	1	Tier 1	884344-002	Zinc	B	2.5	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	Field Blank	FBK-002	1	Tier 1	884384-002	Zinc	U	<2.1	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Aluminum		650	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Antimony		26	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Arsenic		4.3	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Barium		17	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Boron		58	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Cadmium	B	0.10	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Calcium		27000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Chloride		27	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Chromium		1.4	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Cobalt		3.0	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	COD		160	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Copper		25	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Fluoride	B	0.24	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Iron		3700	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Iron, Ferric		3700	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Lead		6.1	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Lithium		1.8	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Magnesium		12000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Manganese		200	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Mercury - low level		16.6	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Molybdenum		21	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Nickel		59	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Nitrogen, Nitrate	B	0.29	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Potassium		11000	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Selenium	B	0.45	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Sodium		16000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Sulfate		15	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	TOC as NPOC		29	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	TOC as NPOC - Dissolved		26	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Total Dissolved Solids		210	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Total Hardness		120000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Total Suspended Solids		100	3.1	10	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Turbidity		47			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Vanadium		3.8	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-004	HMP-004	1	Tier 1	884384-003	Zinc	B	9.5	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Antimony	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Antimony	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Arsenic		6.6	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Arsenic		6.8	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Barium		42	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Barium		39	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Bicarbonate Alkalinity		81	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Bicarbonate Alkalinity		83	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Boron		56	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Boron		58	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Calcium		36000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Calcium		37000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Chloride		10	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Chloride		10	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Cobalt		3.1	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Cobalt		5.2	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	COD		55	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	COD	B	15	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Copper	B	0.37	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Copper	B	0.35	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Fluoride	B	0.21	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Fluoride	B	0.20	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Iron		4500	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Iron		4500	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Iron, Ferric		4500	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Iron, Ferric		4500	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Lithium		2.5	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Lithium		2.4	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Magnesium		17000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Magnesium		17000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Manganese		900	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Manganese		1300	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Mercury - low level	B	0.467	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Mercury - low level	B	0.396	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Molybdenum	B	0.46	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Molybdenum	B	0.18	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Nickel		9.3	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Nickel		12	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Nitrogen, Nitrate	B	0.34	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Nitrogen, Nitrate	B	0.25	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Potassium		3800	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Potassium		3700	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Sodium		7000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Sodium		6900	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Sulfate		82	1	8	mg/L	2		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Sulfate		88	1	8	mg/L	2		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	TOC as NPOC		2.0	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	TOC as NPOC		3.7	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	TOC as NPOC - Dissolved		3.7	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	TOC as NPOC - Dissolved		2.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Total Alkalinity		81	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Total Alkalinity		83	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Total Dissolved Solids		240	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Total Dissolved Solids		240	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Total Hardness		160000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Total Hardness		160000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Total Suspended Solids		9.6	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Total Suspended Solids		9.7	0.77	2.5	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Turbidity		46			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Turbidity		42			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	HMP-005	1	Tier 1	884384-005	Zinc		28	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-005	DUP__002	2	Tier 1	884384-001	Zinc	U	<2.1	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Aluminum		670	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Antimony	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Arsenic		3.7	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Barium		39	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Bicarbonate Alkalinity	B	8.6	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Boron	B	8.7	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Cadmium	B	0.11	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Calcium		3800	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Chloride	B	3.2	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Chromium		1.7	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Cobalt		1.2	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	COD		130	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Copper		2.3	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Cyanide, total	B	0.012	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Fluoride	B	0.19	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Iron		12000	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Iron, Ferric		12000	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Iron, Ferrous		62	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Lead		1.3	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Lithium		0.31	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Magnesium		970	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Manganese		150	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Mercury - low level		36.8	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Molybdenum	U	<0.12	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Nickel		2.7	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Nitrogen, Nitrate	B	0.24	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Nitrogen, Nitrite	B	0.060	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Potassium	B	190	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Selenium	B	0.37	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Sodium		690	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Sulfate	B	2.0	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	TOC as NPOC		46	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	TOC as NPOC - Dissolved		43	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Total Alkalinity	B	8.6	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Total Dissolved Solids		70	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Total Hardness		13000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Total Suspended Solids		37	1.5	5	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Turbidity		18			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Vanadium		4.5	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-006	HMP-006	1	Tier 1	884384-007	Zinc		12	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Aluminum	B	24	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Antimony	U	<0.10	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Arsenic		5.2	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Barium		44	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Bicarbonate Alkalinity		56	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Boron		25	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Calcium		16000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Chloride		40	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Chromium	B	0.81	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Cobalt		1.1	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	COD	B	46	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Copper	B	0.47	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Cyanide, total	B	0.010	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Fluoride	B	0.19	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Iron		15000	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Iron, Ferric		15000	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Lead	B	0.14	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Lithium		0.21	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Magnesium		6500	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Manganese		1700	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Mercury - low level		1.86	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Molybdenum	B	0.41	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Nickel		1.1	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Nitrogen, Nitrate	B	0.29	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Potassium		2200	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Sodium		20000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Sulfate	B	2.2	0.51	4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	TOC as NPOC		12	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	TOC as NPOC - Dissolved		14	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Total Alkalinity		56	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Total Dissolved Solids		150	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Total Hardness		66000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Total Suspended Solids		21	3.1	10	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Turbidity		37			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Vanadium	B	0.81	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-007	HMP-007	1	Tier 1	884384-009	Zinc	B	4.6	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Aluminum	B	37	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Antimony		8.2	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Arsenic	B	0.69	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Barium		23	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Boron		83	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Calcium		49000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Chloride		11	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Cobalt		3.1	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	COD	B	31	11	53	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Copper		6.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Cyanide, total	B	0.012	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Fluoride	B	0.24	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Iron		380	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Iron, Ferric		380	26	50	ug/L	1		3020A/8146	6020/8146		SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Lead	B	0.070	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Lithium		2.5	0.016	0.053	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Magnesium		24000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Manganese		81	0.08	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Mercury - low level		1.36	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Molybdenum	B	9.0	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Nickel		14	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Nitrogen, Nitrate		0.85	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Potassium		8800	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Selenium	B	0.25	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Sodium		13000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Sulfate		140	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	TOC as NPOC		5.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	TOC as NPOC - Dissolved		6.2	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Total Dissolved Solids		310	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Total Hardness		220000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Total Suspended Solids		5.0	0.38	1.2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Turbidity		2.0			NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/31/2007	HMP-009	HMP-009	1	Tier 1	884384-011	Zinc	U	<2.1	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Aluminum	B	11	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Aluminum	B	7.0	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Antimony		8.5	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Antimony		35	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Antimony		42	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Antimony		7.7	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Antimony		8.5	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Antimony		7.8	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Arsenic	B	0.75	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Arsenic	B	0.48	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Arsenic	B	0.34	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Arsenic	B	0.58	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Arsenic	B	0.73	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Arsenic	B	0.77	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Barium		8.2	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Barium		8.1	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Barium		8.9	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Barium		8.2	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Barium		11	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Barium		7.9	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Bicarbonate Alkalinity		140	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Bicarbonate Alkalinity		160	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Boron		85	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Boron		130	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Boron		94	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Boron		150	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Boron		87	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Boron		82	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Cadmium	B	0.13	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Calcium		48000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Calcium		49000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Calcium		48000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Calcium		47000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Calcium		46000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Calcium		49000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Chloride		22	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Chloride		26	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Cobalt		3.6	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Cobalt		3.9	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Cobalt		3.5	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Cobalt		3.9	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Cobalt		21	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Cobalt		16	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	COD	B	15	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	COD		62	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	COD	B	28	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	COD	B	17	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	COD	B	13	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	COD	B	13	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Copper		1.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Copper		1.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Copper		3.3	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Copper		2.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Copper		1.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Copper		1.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1		Dissolved Oxygen		0.1			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1		Dissolved Oxygen		8			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1		Dissolved Oxygen		0.1			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Fluoride	B	0.25	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Fluoride	B	0.24	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Fluoride	B	0.25	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Fluoride	B	0.24	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Fluoride	B	0.32	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Fluoride	B	0.36	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Iron		240	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Iron		450	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Iron		390	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Iron		390	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Iron		190	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Iron		420	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Iron, Ferric		450	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Iron, Ferric		390	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Iron, Ferric		390	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Iron, Ferric		190	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Iron, Ferric		240	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Iron, Ferric		420	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Lead	B	0.11	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Lead	B	0.090	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Lithium		3.4	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Lithium		3.5	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Lithium		3.6	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Lithium		3.3	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Lithium		3.4	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Lithium		3.7	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Magnesium		28000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Magnesium		24000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Magnesium		29000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Magnesium		23000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Magnesium		24000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Magnesium		25000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Manganese		1300	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Manganese		2100	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Manganese		250	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Manganese		250	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Manganese		280	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Manganese		280	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Mercury - low level	B	0.468	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Mercury - low level	B	0.353	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Mercury - low level	B	0.459	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Mercury - low level	B	0.322	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Mercury - low level	B	0.366	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Mercury - low level	B	0.499	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Molybdenum		10	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Molybdenum		61	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Molybdenum		45	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Molybdenum		10	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Molybdenum		11	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Molybdenum		11	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Nickel		14	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Nickel		17	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Nickel		210	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Nickel		17	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Nickel		280	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Nickel		13	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Nitrogen, Ammonia		2.8	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Nitrogen, Ammonia		4.5	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Nitrogen, Nitrate		2.0	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Nitrogen, Nitrate		2.6	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Nitrogen, Nitrate		1.5	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Nitrogen, Nitrate		2.0	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Nitrogen, Nitrate		2.2	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Nitrogen, Nitrate		2.2	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1		pH		7.28			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1		pH		7.44			S.U.		6			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1		pH		7.11			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1		pH		8.09			S.U.		3			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1		pH		8.05			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Potassium		20000	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Potassium		8400	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Potassium		17000	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Potassium		8200	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Potassium		8100	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Potassium		7800	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Selenium	B	0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Sodium		14000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Sodium		32000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Sodium		27000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Sodium		14000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Sodium		13000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Sodium		13000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1		Specific Conductance		695			umhos/cm @25 degrees C		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1		Specific Conductance		512			umhos/cm @25 degrees C		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		3			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1		Specific Conductance		757			umhos/cm @25 degrees C		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1		Specific Conductance		533			umhos/cm @25 degrees C		6			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Sulfate		170	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Sulfate		130	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Sulfate		140	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Sulfate		140	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Sulfate		130	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Sulfate		180	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1		Temperature		5.39			Celcius		1			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1		Temperature		16.78			Celcius		3			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1		Temperature		5.57			Celcius		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1		Temperature		14.22			Celcius		1			Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1		Temperature		5.15			Celcius		6			Field	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Thallium	B	0.060	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	TOC as NPOC	B	1.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	TOC as NPOC	B	2.0	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	TOC as NPOC		2.2	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	TOC as NPOC	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	TOC as NPOC		2.3	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	TOC as NPOC		2.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	TOC as NPOC - Dissolved		3.0	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	TOC as NPOC - Dissolved	B	1.9	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	TOC as NPOC - Dissolved	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	TOC as NPOC - Dissolved		2.3	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	TOC as NPOC - Dissolved	B	1.7	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	TOC as NPOC - Dissolved	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Total Alkalinity		140	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Total Alkalinity		160	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Total Dissolved Solids		340	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Total Dissolved Solids		350	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Total Dissolved Solids		330	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Total Dissolved Solids		460	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Total Dissolved Solids		330	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Total Dissolved Solids		430	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Total Hardness		220000	150	2000	ug/L	1	3	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Total Hardness		220000	150	2000	ug/L	1	60	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Total Hardness		240000	150	2000	ug/L	1	175	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Total Hardness		240000	150	2000	ug/L	1	120	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Total Hardness		210000	150	2000	ug/L	1	15	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Total Hardness		220000	150	2000	ug/L	1		SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Total Suspended Solids	B	1.0	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Total Suspended Solids	B	1.4	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Total Suspended Solids	B	1.4	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Total Suspended Solids	U	<0.61	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Total Suspended Solids	B	0.80	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Total Suspended Solids	B	1.0	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Turbidity		1.1	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Turbidity		2.7	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Turbidity		2.4	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Turbidity	B	0.90	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Turbidity		2.8	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Turbidity		2.6	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 175'	1	Tier 1	884344-012	Zinc	B	4.7	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 15'	1	Tier 1	884344-009	Zinc	B	3.6	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 60'	1	Tier 1	884344-010	Zinc	B	3.5	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 120'	1	Tier 1	884344-011	Zinc	B	3.2	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	DUP-001	2	Tier 1	884344-001	Zinc	B	2.6	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-003	HPL-003 3'	1	Tier 1	884344-008	Zinc	B	2.2	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Aluminum	U	<4.4	4.4	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Antimony		42	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Antimony		8.4	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Antimony		7.8	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Antimony		35	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Antimony		7.9	0.1	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Arsenic	B	0.62	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Arsenic	B	0.52	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Arsenic	B	0.38	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Arsenic	B	0.86	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Arsenic	B	0.78	0.093	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Barium		8.1	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Barium		8.8	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Barium		8.1	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Barium		12	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Barium		8.2	0.072	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Beryllium	U	<0.070	0.07	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Bicarbonate Alkalinity		160	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Bicarbonate Alkalinity		140	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Bicarbonate Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Boron		87	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Boron		86	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Boron		170	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Boron		140	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Boron		88	1.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Cadmium	U	<0.097	0.097	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Calcium		47000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Calcium		47000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Calcium		48000	100	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Calcium		50000	100	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Calcium		50000	10	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Carbonate Alkalinity	U	<3.2	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Chloride		26	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Chloride		22	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Chloride		11	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Chloride		12	1.1	5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Chromium	U	<0.43	0.43	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Cobalt		16	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Cobalt		22	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Cobalt		3.5	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Cobalt		3.9	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Cobalt		3.5	0.059	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	COD	U	<11	11	53	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	COD	U	<11	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	COD	B	31	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	COD	B	13	11	50	mg/L	1		EPA 410.4	EPA 410.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Copper		2.0	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Copper		1.9	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Copper		3.5	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Copper		1.8	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Copper		2.7	0.12	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Cyanide, total	B	0.0073	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Cyanide, total	U	<0.0060	0.006	0.02	mg/L	1		EPA 335.4	EPA 335.4	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1		Dissolved Oxygen		0.1			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1		Dissolved Oxygen		8			mg/L		6			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1		Dissolved Oxygen		8			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1		Dissolved Oxygen		8			mg/L		3			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1		Dissolved Oxygen		0.1			mg/L		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Fluoride	B	0.36	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Fluoride	B	0.32	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Fluoride	B	0.25	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Fluoride	B	0.25	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Fluoride	B	0.24	0.059	0.5	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Iron		460	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Iron		200	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Iron		410	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Iron		250	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Iron		380	2.9	50	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Iron, Ferric		250	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Iron, Ferric		410	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Iron, Ferric		200	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Iron, Ferric		380	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Iron, Ferric		460	26	50	ug/L	1		3020A/8146	6020B/8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Iron, Ferrous	U	<26	26	50	ug/L	1		HACH 8146	HACH 8146		SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Lead	B	0.16	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Lead	B	0.050	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Lead	B	0.050	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Lead	U	<0.044	0.044	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Lithium		3.7	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Lithium		3.4	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Lithium		3.2	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Lithium		3.6	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Lithium		3.1	0.05	0.1	ug/L	1		EPA 3020	EPA 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Magnesium		29000	530	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Magnesium		24000	530	5000	ug/L	10		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Magnesium		24000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Magnesium		30000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Magnesium		24000	53	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Manganese		1300	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Manganese		250	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Manganese		240	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW

Prepared by: ECB/SVF
Checked by: JSL

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Manganese		2200	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Manganese		280	0.08	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Mercury - low level	B	0.344	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Mercury - low level	B	0.445	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Mercury - low level	B	0.489	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Mercury - low level		0.546	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Mercury - low level		0.626	0.163	0.5	ng/L	1		EPA 1631E	EPA 1631E	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Molybdenum		65	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Molybdenum		10	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Molybdenum		11	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Molybdenum		10	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Molybdenum		44	0.12	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Nickel		280	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Nickel		13	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Nickel		14	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Nickel		17	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Nickel		210	0.075	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Nitrogen, Ammonia		4.9	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Nitrogen, Ammonia		2.9	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Nitrogen, Ammonia	U	<0.50	0.5	1	mg/L	1		EPA 350.1	EPA 350.1	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Nitrogen, Nitrate		2.2	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Nitrogen, Nitrate		2.0	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Nitrogen, Nitrate		1.4	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Nitrogen, Nitrate		2.6	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Nitrogen, Nitrate		2.0	0.085	0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Nitrogen, Nitrite	U	<0.036	0.036	0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1		pH		7.94			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1		pH		7.15			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1		pH		7.26			S.U.		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1		pH		8.03			S.U.		3			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1		pH		7.37			S.U.		6			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Potassium		8200	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Potassium		21000	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Potassium		7800	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Potassium		8300	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Potassium		17000	6.2	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Selenium	B	0.25	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Selenium	U	<0.15	0.15	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Silver	U	<0.11	0.11	0.5	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Sodium		14000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Sodium		13000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Sodium		34000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Sodium		28000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Sodium		14000	46	500	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		3			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1		Specific Conductance		515			umhos/cm @25 degrees C		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1		Specific Conductance		529			umhos/cm @25 degrees C		6			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1		Specific Conductance		694			umhos/cm @25 degrees C		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1		Specific Conductance		760			umhos/cm @25 degrees C		1			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Sulfate		140	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Sulfate		170	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Sulfate		160	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Sulfate		130	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Sulfate		130	5.1	40	mg/L	10		EPA 300.0	EPA 300.0	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Sulfide	U	<2.3	2.3	5	mg/L	1		SM 4500-S2 F	SM 4500-S2 F	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1		Temperature		5.48			Celcius		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1		Temperature		16.4			Celcius		3			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1		Temperature		5.59			Celcius		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1		Temperature		5			Celcius		6			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1		Temperature		14.09			Celcius		1			Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Thallium	U	<0.030	0.03	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	TOC as NPOC	B	1.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	TOC as NPOC		2.2	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	TOC as NPOC	B	1.6	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	TOC as NPOC		2.5	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	TOC as NPOC	B	1.5	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	TOC as NPOC - Dissolved	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	TOC as NPOC - Dissolved	B	1.9	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	TOC as NPOC - Dissolved	U	<1.4	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	TOC as NPOC - Dissolved		2.1	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	TOC as NPOC - Dissolved	B	2.0	1.4	2	mg/L	1		SM 5310C	SM 5310C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Total Alkalinity		160	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Total Alkalinity		140	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Total Alkalinity		100	3.2	10	mg/L	1		SM 2320B	SM 2320B	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Total Dissolved Solids		340	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Total Dissolved Solids		340	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Total Dissolved Solids		450	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Total Dissolved Solids		430	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Total Dissolved Solids		340	12	20	mg/L	1		SM 2540C	SM 2540C	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Total Hardness		210000	150	2000	ug/L	1	15	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Total Hardness		240000	1500	20000	ug/L	10	120	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Total Hardness		220000	1500	20000	ug/L	10	3	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Total Hardness		220000	150	2000	ug/L	1	60	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Total Hardness		250000	150	2000	ug/L	1	175	SW846 3020A	6020/2340B	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Total Suspended Solids	B	1.6	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Total Suspended Solids	U	<0.61	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Total Suspended Solids	B	1.0	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Total Suspended Solids	B	1.4	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Total Suspended Solids	B	0.80	0.61	2	mg/L	1		SM 2540D	SM 2540D	Physical Property	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Turbidity		2.7	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Turbidity		2.8	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Turbidity	B	0.63	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Turbidity		2.5	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Turbidity		1.7	0.44	1	NTU	1		SM 2130B	SM 2130B	Field	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Vanadium	U	<0.41	0.41	1	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 3'	1	Tier 1	884344-003	Zinc	U	<2.1	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 175'	1	Tier 1	884344-007	Zinc	B	3.5	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 60'	1	Tier 1	884344-005	Zinc	B	3.2	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 120'	1	Tier 1	884344-006	Zinc	B	3.3	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/30/2007	5/30/2007	HPL-004	HPL-004 15'	1	Tier 1	884344-004	Zinc	U	<2.1	2.1	10	ug/L	1		SW846 3020A	SW846 6020	Metal	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		Depth to Water		0.72			ft					Field	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		Dissolved Oxygen		1.5			mg/L					Field	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		GW Elevation		1531.83			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		pH		6.5			S.U.					Field	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		Specific Conductance		148.6			umhos/cm @25 degrees C					Field	SW
5/31/2007	5/30/2007	HMP-004	HMP-004	1	Tier 1		Temperature		18.2			Celcius					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		Depth to Water		1.52			ft					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		Flow		0			cfs					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		GW Elevation		1543.43			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		pH		6.48			S.U.					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		Specific Conductance		338.2			umhos/cm @25 degrees C					Field	SW
5/31/2007	5/30/2007	HMP-005	HMP-005	1	Tier 1		Temperature		11.5			Celcius					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		Depth to Water		4.17			ft					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		GW Elevation		1748.35			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		pH		5.58			S.U.					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		Specific Conductance		51.4			umhos/cm @25 degrees C					Field	SW
5/31/2007	5/30/2007	HMP-006	HMP-006	1	Tier 1		Temperature		17.2			Celcius					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		Depth to Water		0.96			ft					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		GW Elevation		1572.13			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		pH		6.38			S.U.					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		Specific Conductance		217.8			umhos/cm @25 degrees C					Field	SW
5/31/2007	5/30/2007	HMP-007	HMP-007	1	Tier 1		Temperature		18.4			Celcius					Field	SW
5/31/2007	5/30/2007	HMP-008	HMP-008	1	Tier 1		Depth to Water		1.97			ft					Field	SW
5/31/2007	5/30/2007	HMP-008	HMP-008	1	Tier 1		GW Elevation		1537.89			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		Depth to Water		1.67			ft					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		Flow		NM			cfs					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		GW Elevation		1534.31			ft msl					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		pH		7.34			S.U.					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		Specific Conductance		466.1			umhos/cm @25 degrees C					Field	SW
5/31/2007	5/30/2007	HMP-009	HMP-009	1	Tier 1		Temperature		15.9			Celcius					Field	SW
6/1/2007	6/1/2007	EBR-001	EBR-001	1	Tier 1		Flow		<0.1			cfs					Field	SW
6/1/2007	6/1/2007	MBR-001	MBR-001	1	Tier 1		Flow		2.1			cfs					Field	SW
6/1/2007	6/1/2007	MER-001	MER-001	1	Tier 1		Flow		25			cfs					Field	SW
6/1/2007	6/1/2007	MER-002	MER-002	1	Tier 1		Flow		25			cfs					Field	SW
6/1/2007	6/1/2007	MER-003	MER-003	1	Tier 1		Flow		27			cfs					Field	SW
6/1/2007	6/1/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.1			cfs					Field	SW
6/1/2007	6/1/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.3			cfs					Field	SW
6/1/2007	6/1/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.6			cfs					Field	SW
6/1/2007	6/1/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		<0.1			cfs					Field	SW
6/1/2007	6/1/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0			cfs					Field	SW
6/5/2007	6/5/2007	HMP-004	HMP-004	1	Tier 1		Depth to Water		0.74			ft					Field	SW
6/5/2007	6/5/2007	HMP-004	HMP-004	1	Tier 1		GW Elevation		1531.85			ft msl					Field	SW
6/5/2007	6/5/2007	HMP-005	HMP-005	1	Tier 1		Depth to Water		1.52			ft					Field	SW
6/5/2007	6/5/2007	HMP-005	HMP-005	1	Tier 1		GW Elevation		1543.43			ft msl					Field	SW
6/5/2007	6/5/2007	HMP-006	HMP-006	1	Tier 1		Depth to Water		3.58			ft					Field	SW
6/5/2007	6/5/2007	HMP-006	HMP-006	1	Tier 1		GW Elevation		1748.94			ft msl					Field	SW
6/5/2007	6/5/2007	HMP-007	HMP-007	1	Tier 1		Depth to Water		0.9			ft					Field	SW
6/5/2007	6/5/2007	HMP-007	HMP-007	1	Tier 1		GW Elevation		1572.07			ft msl					Field	SW
6/5/2007	6/5/2007	HMP-008	HMP-008	1	Tier 1		Depth to Water		1.96			ft					Field	SW
6/5/2007	6/5/2007	HMP-008	HMP-008	1	Tier 1		GW Elevation		1537.88			ft msl					Field	SW
6/5/2007	6/5/2007	HMP-009	HMP-009	1	Tier 1		Depth to Water		1.66			ft					Field	SW
6/5/2007	6/5/2007	HMP-009	HMP-009	1	Tier 1		GW Elevation		1534.3			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-001	HMS-001	1	Tier 1		Depth to Water		2.62			ft					Field	SW
6/5/2007	6/5/2007	HMS-001	HMS-001	1	Tier 1		GW Elevation		1600.54			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-002	HMS-002	1	Tier 1		Depth to Water		0.74			ft					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
6/5/2007	6/5/2007	HMS-002	HMS-002	1	Tier 1		GW Elevation		1590.53			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-003	HMS-003	1	Tier 1		Depth to Water		1.92			ft					Field	SW
6/5/2007	6/5/2007	HMS-003	HMS-003	1	Tier 1		GW Elevation		1589.97			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-004	HMS-004	1	Tier 1		Depth to Water		2			ft					Field	SW
6/5/2007	6/5/2007	HMS-004	HMS-004	1	Tier 1		GW Elevation		1589.83			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-005	HMS-005	1	Tier 1		Depth to Water		1.42			ft					Field	SW
6/5/2007	6/5/2007	HMS-005	HMS-005	1	Tier 1		GW Elevation		1589.23			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-006	HMS-006	1	Tier 1		Depth to Water		1.87			ft					Field	SW
6/5/2007	6/5/2007	HMS-006	HMS-006	1	Tier 1		GW Elevation		1585.18			ft msl					Field	SW
6/5/2007	6/5/2007	HMS-007	HMS-007	1	Tier 1		Depth to Water		4.03			ft					Field	SW
6/5/2007	6/5/2007	HMS-007	HMS-007	1	Tier 1		GW Elevation		1578.28			ft msl					Field	SW
7/5/2007	7/5/2007	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
7/5/2007	7/5/2007	EBR-001	EBR-001	1	Tier 1		Flow		0			cfs					Field	SW
7/5/2007	7/5/2007	EBR-001	EBR-001	1	Tier 1		pH		6.94			S.U.					Field	SW
7/5/2007	7/5/2007	EBR-001	EBR-001	1	Tier 1		Specific Conductance		180			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	EBR-001	EBR-001	1	Tier 1		Temperature		18.5			Celcius					Field	SW
7/5/2007	7/5/2007	HMP-002	HMP-002	1	Tier 1		Dissolved Oxygen		NM			mg/L					Field	SW
7/5/2007	7/5/2007	HMP-002	HMP-002	1	Tier 1		Flow		0			cfs					Field	SW
7/5/2007	7/5/2007	HMP-002	HMP-002	1	Tier 1		pH		NM			S.U.					Field	SW
7/5/2007	7/5/2007	HMP-002	HMP-002	1	Tier 1		Specific Conductance		NM			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	HMP-002	HMP-002	1	Tier 1		Temperature		NM			Celcius					Field	SW
7/5/2007	7/5/2007	HMP-004	HMP-004	1	Tier 1		Depth to Water		Dry			ft					Field	SW
7/5/2007	7/5/2007	HMP-005	HMP-005	1	Tier 1		Depth to Water		1.59			ft					Field	SW
7/5/2007	7/5/2007	HMP-005		1	Tier 1		GW Elevation		1543.5			ft msl					Field	SW
7/5/2007	7/5/2007	HMP-006	HMP-006	1	Tier 1		Depth to Water		5.97			ft					Field	SW
7/5/2007	7/5/2007	HMP-007	HMP-007	1	Tier 1		Depth to Water		Dry			ft					Field	SW
7/5/2007	7/5/2007	HMP-008	HMP-008	1	Tier 1		Depth to Water		1.82			ft					Field	SW
7/5/2007	7/5/2007	HMP-008		1	Tier 1		GW Elevation		1537.74			ft msl					Field	SW
7/5/2007	7/5/2007	HMP-009	HMP-009	1	Tier 1		Depth to Water		1.57			ft					Field	SW
7/5/2007	7/5/2007	HMP-009		1	Tier 1		GW Elevation		1534.21			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-001	HMS-001	1	Tier 1		Depth to Water		1.18			ft					Field	SW
7/5/2007	7/5/2007	HMS-001		1	Tier 1		GW Elevation		1599.1			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-002	HMS-002	1	Tier 1		Depth to Water		Dry			ft					Field	SW
7/5/2007	7/5/2007	HMS-003	HMS-003	1	Tier 1		Depth to Water		1.22			ft					Field	SW
7/5/2007	7/5/2007	HMS-003		1	Tier 1		GW Elevation		1589.27			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-004	HMS-004	1	Tier 1		Depth to Water		1.26			ft					Field	SW
7/5/2007	7/5/2007	HMS-004		1	Tier 1		GW Elevation		1589.09			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-005	HMS-005	1	Tier 1		Depth to Water		0.99			ft					Field	SW
7/5/2007	7/5/2007	HMS-005		1	Tier 1		GW Elevation		1588.8			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-006	HMS-006	1	Tier 1		Depth to Water		0.86			ft					Field	SW
7/5/2007	7/5/2007	HMS-006		1	Tier 1		GW Elevation		1584.17			ft msl					Field	SW
7/5/2007	7/5/2007	HMS-007	HMS-007	1	Tier 1		Depth to Water		3.18			ft					Field	SW
7/5/2007	7/5/2007	HMS-007		1	Tier 1		GW Elevation		1577.43			ft msl					Field	SW
7/5/2007	7/5/2007	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
7/5/2007	7/5/2007	MBR-001	MBR-001	1	Tier 1		Flow		0.16725			cfs					Field	SW
7/5/2007	7/5/2007	MBR-001	MBR-001	1	Tier 1		pH		7			S.U.					Field	SW
7/5/2007	7/5/2007	MBR-001	MBR-001	1	Tier 1		Specific Conductance		189			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	MBR-001	MBR-001	1	Tier 1		Temperature		16.7			Celcius					Field	SW
7/5/2007	7/5/2007	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
7/5/2007	7/5/2007	MER-001	MER-001	1	Tier 1		Flow		6.233			cfs					Field	SW
7/5/2007	7/5/2007	MER-001	MER-001	1	Tier 1		pH		7.28			S.U.					Field	SW
7/5/2007	7/5/2007	MER-001	MER-001	1	Tier 1		Specific Conductance		121			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	MER-001	MER-001	1	Tier 1		Temperature		19.18			Celcius					Field	SW
7/5/2007	7/5/2007	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		7			mg/L					Field	SW
7/5/2007	7/5/2007	MER-002	MER-002	1	Tier 1		Flow		7.73856			cfs					Field	SW
7/5/2007	7/5/2007	MER-002	MER-002	1	Tier 1		pH		7.15			S.U.					Field	SW
7/5/2007	7/5/2007	MER-002	MER-002	1	Tier 1		Specific Conductance		153			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	MER-002	MER-002	1	Tier 1		Temperature		19.37			Celcius					Field	SW
7/5/2007	7/5/2007	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		8			mg/L					Field	SW
7/5/2007	7/5/2007	MER-003	MER-003	1	Tier 1		Flow		7.91392			cfs					Field	SW
7/5/2007	7/5/2007	MER-003	MER-003	1	Tier 1		pH		7.25			S.U.					Field	SW
7/5/2007	7/5/2007	MER-003	MER-003	1	Tier 1		Specific Conductance		163			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	MER-003	MER-003	1	Tier 1		Temperature		20.31			Celcius					Field	SW
7/5/2007	7/5/2007	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
7/5/2007	7/5/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.0594			cfs					Field	SW
7/5/2007	7/5/2007	WBR-001	WBR-001	1	Tier 1		pH		5.84			S.U.					Field	SW
7/5/2007	7/5/2007	WBR-001	WBR-001	1	Tier 1		Specific Conductance		107			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	WBR-001	WBR-001	1	Tier 1		Temperature		16.49			Celcius					Field	SW
7/5/2007	7/5/2007	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		4			mg/L					Field	SW
7/5/2007	7/5/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.0054			cfs					Field	SW
7/5/2007	7/5/2007	WBR-002	WBR-002	1	Tier 1		pH		6.75			S.U.					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/5/2007	7/5/2007	WBR-002	WBR-002	1	Tier 1		Specific Conductance		207			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	WBR-002	WBR-002	1	Tier 1		Temperature		21.01			Celcius					Field	SW
7/5/2007	7/5/2007	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		5			mg/L					Field	SW
7/5/2007	7/5/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.038475			cfs					Field	SW
7/5/2007	7/5/2007	WBR-003	WBR-003	1	Tier 1		pH		6.9			S.U.					Field	SW
7/5/2007	7/5/2007	WBR-003	WBR-003	1	Tier 1		Specific Conductance		186			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	WBR-003	WBR-003	1	Tier 1		Temperature		17.16			Celcius					Field	SW
7/5/2007	7/5/2007	WLD-001NW	WLD-001NW	1	Tier 1		Dissolved Oxygen		d			mg/L					Field	SW
7/5/2007	7/5/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0			cfs					Field	SW
7/5/2007	7/5/2007	WLD-001NW	WLD-001NW	1	Tier 1		pH		d			S.U.					Field	SW
7/5/2007	7/5/2007	WLD-001NW	WLD-001NW	1	Tier 1		Specific Conductance		d			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	WLD-001NW	WLD-001NW	1	Tier 1		Temperature		d			Celcius					Field	SW
7/5/2007	7/5/2007	WLD-001SE	WLD-001SE	1	Tier 1		Dissolved Oxygen		3			mg/L					Field	SW
7/5/2007	7/5/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0			cfs					Field	SW
7/5/2007	7/5/2007	WLD-001SE	WLD-001SE	1	Tier 1		pH		7.1			S.U.					Field	SW
7/5/2007	7/5/2007	WLD-001SE	WLD-001SE	1	Tier 1		Specific Conductance		207			umhos/cm @25 degrees C					Field	SW
7/5/2007	7/5/2007	WLD-001SE	WLD-001SE	1	Tier 1		Temperature		18.86			Celcius					Field	SW
7/12/2007	7/12/2007	Field Blank	FBK001	1	Tier 1	886037-004	Nitrogen, Nitrate	<	<0.40		0.4	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
7/12/2007	7/12/2007	Field Blank	FBK001	1	Tier 1	886037-004	Nitrogen, Nitrite	<	<0.10		0.1	mg/L	1		EPA 300.0	EPA 300.0	Physical Property	WATER
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		328			mmhos		42				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		328			mmhos		33				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		330			mmhos		63				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		332			mmhos		66				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		339			mmhos		78				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		470			mmhos		150				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		433			mmhos		18				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		437			mmhos		123				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		439			mmhos		126				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		443			mmhos		0				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		444			mmhos		129				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		446			mmhos		3				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		448			mmhos		132				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		451			mmhos		135				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		457			mmhos		138				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		459			mmhos		141				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		463			mmhos		144				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		464			mmhos		9				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		431			mmhos		120				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		467			mmhos		147				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		326			mmhos		57				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		472			mmhos		153				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		473			mmhos		156				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		475			mmhos		165				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		475			mmhos		159				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		476			mmhos		162				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		477			mmhos		171				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		477			mmhos		168				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		478			mmhos		183				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		478			mmhos		180				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		478			mmhos		177				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		478			mmhos		174				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		323			mmhos		36				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		319			mmhos		39				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		465			mmhos		15				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		382			mmhos		24				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		333			mmhos		69				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		337			mmhos		72				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		338			mmhos		75				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		343			mmhos		81				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		346			mmhos		84				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		355			mmhos		90				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		365			mmhos		96				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		432			mmhos		6				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		417			mmhos		12				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		328			mmhos		60				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		326			mmhos		54				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		326			mmhos		51				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		327			mmhos		45				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		358			mmhos		93				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		370			mmhos		27				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		425			mmhos		114				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		376			mmhos		99				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		417			mmhos		111				SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		410			mmhos		108				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		404			mmhos		105				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		392			mmhos		102				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		388			mmhos		21				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		324			mmhos		48				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		430			mmhos		117				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		351			mmhos		87				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Conductivity		335			mmhos		30				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		108			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		175			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		2.3			mg/L		99			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		120			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		126			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		132			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.4			mg/L		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.4			mg/L		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.4			mg/L		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.5			mg/L		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.5			mg/L		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		5.4			mg/L		87			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.4			mg/L		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7.8			mg/L		78			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.2			mg/L		75			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.6			mg/L		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.5			mg/L		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.4			mg/L		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.1			mg/L		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.7			mg/L		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.8			mg/L		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.8			mg/L		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.8			mg/L		54			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.9			mg/L		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10			mg/L		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10			mg/L		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.6			mg/L		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.1			mg/L		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.6			mg/L		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.1			mg/L		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.1			mg/L		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.1			mg/L		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.2			mg/L		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.2			mg/L		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.2			mg/L		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.2			mg/L		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10			mg/L		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.9			mg/L		69			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.8			mg/L		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.8			mg/L		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.7			mg/L		60			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.9			mg/L		72			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.7			mg/L		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.3			mg/L		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.2			mg/L		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.2			mg/L		66			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.3			mg/L		63			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.4			mg/L		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.5			mg/L		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.5			mg/L		57			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.7			mg/L		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		8.8			mg/L		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		140			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		105			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.25			mg/L		114			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.8			mg/L		102			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		7			mg/L		81			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		141			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		147			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		6.5			mg/L		84			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		3.9			mg/L		93			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		4.6			mg/L		90			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.6			mg/L		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.05			mg/L		159			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		3.3			mg/L		96			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		183			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.2			mg/L		135			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		177			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		171			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		165			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.15			mg/L		111			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.05			mg/L		129			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		153			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		<0.05			mg/L		123			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		<0.05			mg/L		117			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		138			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		144			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		150			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		174			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		168			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		162			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		NM			mg/L		156			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		9.7			mg/L		50			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		0.1			mg/L		180			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Dissolved Oxygen		10.2			mg/L		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		0.2			ug/L		80				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		<0.1			ug/L		150				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		<0.1			ug/L		175				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		0.2			ug/L		0				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		0.2			ug/L		3				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		0.2			ug/L		15				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		<0.1			ug/L		120				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferric		0.2			ug/L		60				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		0				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		120				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		15				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		60				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		80				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		175				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		150				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, Ferrous		<0.1			ug/L		3				SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		<0.1			ug/L		150			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		0.2			ug/L		80			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		0.2			ug/L		60			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		0.2			ug/L		15			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		0.2			ug/L		3			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		<0.1			ug/L		120			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		0.2			ug/L		0			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Iron, total		<0.1			ug/L		175			Metal	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1	886037-002	Nitrogen, Nitrate		1.4		0.4	mg/L	1	175	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	2	Tier 1	886037-003	Nitrogen, Nitrate		2.0		0.4	mg/L	1	140	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1	886037-001	Nitrogen, Nitrate		2.1		0.4	mg/L	1	140	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1	886037-002	Nitrogen, Nitrite	<	<0.10		0.1	mg/L	1	175	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	2	Tier 1	886037-003	Nitrogen, Nitrite	<	<0.10		0.1	mg/L	1	140	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1	886037-001	Nitrogen, Nitrite	<	<0.10		0.1	mg/L	1	140	EPA 300.0	EPA 300.0	Physical Property	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		169			mV		108			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		167			mV		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		160			mV		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		150			mV		147			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		150			mV		144			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		151			mV		129			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		169			mV		84			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		152			mV		123			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		156			mV		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		157			mV		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		152			mV		126			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		160			mV		120			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		167			mV		57			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		162			mV		117			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		163			mV		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		164			mV		114			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		164			mV		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		165			mV		54			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		166			mV		81			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		167			mV		111			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		157			mV		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		174			mV		78			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		145			mV		153			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		149			mV		132			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		220			mV		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		214			mV		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		180			mV		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		180			mV		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		179			mV		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		175			mV		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		174			mV		69			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		172			mV		66			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		174			mV		75			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		170			mV		105			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		173			mV		93			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		172			mV		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		172			mV		96			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		172			mV		99			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		172			mV		102			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		171			mV		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		171			mV		63			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		171			mV		90			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		170			mV		60			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		170			mV		87			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		174			mV		72			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		132			mV		177			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		149			mV		135			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		124			mV		183			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		131			mV		171			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		133			mV		174			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		133			mV		168			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		135			mV		165			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		136			mV		162			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		149			mV		150			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		137			mV		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		141			mV		156			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		142			mV		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		146			mV		141			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		148			mV		138			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		137			mV		159			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		124			mV		180			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		ORP		161			mV		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		159			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		174			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		171			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		168			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		165			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.3			S.U.		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		162			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.6			S.U.		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		156			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		57			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		54			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.6			S.U.		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		153			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		177			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.9			S.U.		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.9			S.U.		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8			S.U.		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.1			S.U.		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.3			S.U.		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.7			S.U.		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.3			S.U.		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.3			S.U.		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		102			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		114			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		132			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		147			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		105			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		180			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		99			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		96			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		93			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		90			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		135			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		117			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		8.3			S.U.		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.7			S.U.		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		150			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		78			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		81			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		84			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		87			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		120			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		126			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		144			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		183			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		123			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		141			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		138			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		75			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		72			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		69			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		66			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.3			S.U.		129			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		60			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		108			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		63			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.2			S.U.		111			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.4			S.U.		140			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		175			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		pH		7.5			S.U.		50			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		760			umhos/cm @25 degrees C		183			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		759			umhos/cm @25 degrees C		177			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		759			umhos/cm @25 degrees C		180			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		758			umhos/cm @25 degrees C		174			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		757			umhos/cm @25 degrees C		171			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		756			umhos/cm @25 degrees C		168			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		755			umhos/cm @25 degrees C		162			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		754			umhos/cm @25 degrees C		159			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C		50			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		489			umhos/cm @25 degrees C		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		571			umhos/cm @25 degrees C		90			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		529			umhos/cm @25 degrees C		60			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		466			umhos/cm @25 degrees C		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		480			umhos/cm @25 degrees C		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		450			umhos/cm @25 degrees C		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		484			umhos/cm @25 degrees C		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		492			umhos/cm @25 degrees C		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		494			umhos/cm @25 degrees C		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		495			umhos/cm @25 degrees C		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		500			umhos/cm @25 degrees C		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		513			umhos/cm @25 degrees C		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		27			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		545			umhos/cm @25 degrees C		75			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		558			umhos/cm @25 degrees C		84			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		553			umhos/cm @25 degrees C		81			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		482			umhos/cm @25 degrees C		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		516			umhos/cm @25 degrees C		18			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		565			umhos/cm @25 degrees C		87			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		548			umhos/cm @25 degrees C		78			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		543			umhos/cm @25 degrees C		72			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		539			umhos/cm @25 degrees C		69			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		535			umhos/cm @25 degrees C		66			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		532			umhos/cm @25 degrees C		63			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		526			umhos/cm @25 degrees C		57			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		522			umhos/cm @25 degrees C		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		520			umhos/cm @25 degrees C		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		518			umhos/cm @25 degrees C		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		699			umhos/cm @25 degrees C		126			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		705			umhos/cm @25 degrees C		129			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		712			umhos/cm @25 degrees C		132			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		716			umhos/cm @25 degrees C		135			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		730			umhos/cm @25 degrees C		141			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		736			umhos/cm @25 degrees C		144			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		742			umhos/cm @25 degrees C		147			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		745			umhos/cm @25 degrees C		150			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		748			umhos/cm @25 degrees C		153			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		725			umhos/cm @25 degrees C		138			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		682			umhos/cm @25 degrees C		117			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		687			umhos/cm @25 degrees C		120			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		751			umhos/cm @25 degrees C		156			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		603			umhos/cm @25 degrees C		99			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		587			umhos/cm @25 degrees C		96			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		675			umhos/cm @25 degrees C		114			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		663			umhos/cm @25 degrees C		111			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		654			umhos/cm @25 degrees C		108			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		645			umhos/cm @25 degrees C		105			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		627			umhos/cm @25 degrees C		102			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		694			umhos/cm @25 degrees C		123			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		758			umhos/cm @25 degrees C		175			Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		523			umhos/cm @25 degrees C		54			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		576			umhos/cm @25 degrees C		93			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		753			umhos/cm @25 degrees C		165			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Specific Conductance		732			umhos/cm @25 degrees C		140			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		66			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		63			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		72			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		69			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		78			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.1			Celcius		42			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		75			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.9			Celcius		36			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		45			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		84			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		153			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.4			Celcius		39			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		7.8			Celcius		33			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		19.5			Celcius		15			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.5			Celcius		108			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		135			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		60			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		132			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.2			Celcius		93			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.5			Celcius		126			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		129			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		144			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		147			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.5			Celcius		111			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		141			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		183			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		180			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		177			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		171			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		162			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		159			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		156			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.5			Celcius		120			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.2			Celcius		90			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		168			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		6.1			Celcius		50			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		174			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		114			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		175			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.1			Celcius		57			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		117			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		138			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.8			Celcius		140			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		48			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.2			Celcius		81			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.2			Celcius		54			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.3			Celcius		99			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.3			Celcius		96			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		105			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		102			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.4			Celcius		51			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.6			Celcius		123			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		10.3			Celcius		27			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		8.9			Celcius		30			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		11.5			Celcius		24			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		13.9			Celcius		21			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		21.2			Celcius		6			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		21.2			Celcius		9			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.2			Celcius		87			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		21.1			Celcius		3			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		165			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		21.1			Celcius		12			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		21.1			Celcius		0			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		5.7			Celcius		150			Field	SW
7/12/2007	7/12/2007	HPL-003	HPL-003	1	Tier 1		Temperature		16.6			Celcius		18			Field	SW
8/2/2007	8/2/2007	EBR-001	EBR-001	1	Tier 1		Dissolved Oxygen		6			mg/L					Field	SW
8/2/2007	8/2/2007	EBR-001	EBR-001	1	Tier 1		Flow		0			cfs					Field	SW
8/2/2007	8/2/2007	EBR-001	EBR-001	1	Tier 1		pH		6.8			S.U.					Field	SW
8/2/2007	8/2/2007	EBR-001	EBR-001	1	Tier 1		Specific Conductance		202			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	EBR-001	EBR-001	1	Tier 1		Temperature		21.3			Celcius					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/2/2007	8/2/2007	HMP-002	HMP-002	1	Tier 1		Dissolved Oxygen		7.1			mg/L					Field	SW
8/2/2007	8/2/2007	HMP-002	HMP-002	1	Tier 1		Flow		0			cfs					Field	SW
8/2/2007	8/2/2007	HMP-002	HMP-002	1	Tier 1		pH		7.9			S.U.					Field	SW
8/2/2007	8/2/2007	HMP-002	HMP-002	1	Tier 1		Specific Conductance		531			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	HMP-002	HMP-002	1	Tier 1		Temperature		28.3			Celcius					Field	SW
8/2/2007	8/2/2007	HMP-004	HMP-004	1	Tier 1		Depth to Water		Dry			ft					Field	SW
8/2/2007	8/2/2007	HMP-005	HMP-005	1	Tier 1		Depth to Water		1.24			ft					Field	SW
8/2/2007	8/2/2007	HMP-005		1	Tier 1		GW Elevation		1543.15			ft msl					Field	SW
8/2/2007	8/2/2007	HMP-006	HMP-006	1	Tier 1		Depth to Water		5.89			ft					Field	SW
8/2/2007	8/2/2007	HMP-007	HMP-007	1	Tier 1		Depth to Water		0.42			ft					Field	SW
8/2/2007	8/2/2007	HMP-007		1	Tier 1		GW Elevation		1571.59			ft msl					Field	SW
8/2/2007	8/2/2007	HMP-008	HMP-008	1	Tier 1		Depth to Water		1.78			ft					Field	SW
8/2/2007	8/2/2007	HMP-008		1	Tier 1		GW Elevation		1537.7			ft msl					Field	SW
8/2/2007	8/2/2007	HMP-009	HMP-009	1	Tier 1		Depth to Water		1.46			ft					Field	SW
8/2/2007	8/2/2007	HMP-009		1	Tier 1		GW Elevation		1534.1			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-001	HMS-001	1	Tier 1		Depth to Water		0.23			ft					Field	SW
8/2/2007	8/2/2007	HMS-001		1	Tier 1		GW Elevation		1598.15			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-002	HMS-002	1	Tier 1		Depth to Water		Dry			ft					Field	SW
8/2/2007	8/2/2007	HMS-003	HMS-003	1	Tier 1		Depth to Water		0.78			ft					Field	SW
8/2/2007	8/2/2007	HMS-003		1	Tier 1		GW Elevation		1588.83			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-004	HMS-004	1	Tier 1		Depth to Water		0.92			ft					Field	SW
8/2/2007	8/2/2007	HMS-004		1	Tier 1		GW Elevation		1588.75			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-005	HMS-005	1	Tier 1		Depth to Water		0.73			ft					Field	SW
8/2/2007	8/2/2007	HMS-005		1	Tier 1		GW Elevation		1588.54			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-006	HMS-006	1	Tier 1		Depth to Water		0.67			ft					Field	SW
8/2/2007	8/2/2007	HMS-006		1	Tier 1		GW Elevation		1583.98			ft msl					Field	SW
8/2/2007	8/2/2007	HMS-007	HMS-007	1	Tier 1		Depth to Water		2.1			ft					Field	SW
8/2/2007	8/2/2007	HMS-007		1	Tier 1		GW Elevation		1576.35			ft msl					Field	SW
8/2/2007	8/2/2007	MBR-001	MBR-001	1	Tier 1		Dissolved Oxygen		6.5			mg/L					Field	SW
8/2/2007	8/2/2007	MBR-001	MBR-001	1	Tier 1		Flow		0.15045			cfs					Field	SW
8/2/2007	8/2/2007	MBR-001	MBR-001	1	Tier 1		pH		7.3			S.U.					Field	SW
8/2/2007	8/2/2007	MBR-001	MBR-001	1	Tier 1		Specific Conductance		180			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	MBR-001	MBR-001	1	Tier 1		Temperature		19.1			Celcius					Field	SW
8/2/2007	8/2/2007	MER-001	MER-001	1	Tier 1		Dissolved Oxygen		7.8			mg/L					Field	SW
8/2/2007	8/2/2007	MER-001	MER-001	1	Tier 1		Flow		4.207			cfs					Field	SW
8/2/2007	8/2/2007	MER-001	MER-001	1	Tier 1		pH		7.6			S.U.					Field	SW
8/2/2007	8/2/2007	MER-001	MER-001	1	Tier 1		Specific Conductance		124			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	MER-001	MER-001	1	Tier 1		Temperature		20.8			Celcius					Field	SW
8/2/2007	8/2/2007	MER-002	MER-002	1	Tier 1		Dissolved Oxygen		7.7			mg/L					Field	SW
8/2/2007	8/2/2007	MER-002	MER-002	1	Tier 1		Flow		4.565			cfs					Field	SW
8/2/2007	8/2/2007	MER-002	MER-002	1	Tier 1		pH		7.5			S.U.					Field	SW
8/2/2007	8/2/2007	MER-002	MER-002	1	Tier 1		Specific Conductance		162			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	MER-002	MER-002	1	Tier 1		Temperature		22.6			Celcius					Field	SW
8/2/2007	8/2/2007	MER-003	MER-003	1	Tier 1		Dissolved Oxygen		8.3			mg/L					Field	SW
8/2/2007	8/2/2007	MER-003	MER-003	1	Tier 1		Flow		5.707125			cfs					Field	SW
8/2/2007	8/2/2007	MER-003	MER-003	1	Tier 1		pH		7.5			S.U.					Field	SW
8/2/2007	8/2/2007	MER-003	MER-003	1	Tier 1		Specific Conductance		178			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	MER-003	MER-003	1	Tier 1		Temperature		23.2			Celcius					Field	SW
8/2/2007	8/2/2007	WBR-001	WBR-001	1	Tier 1		Dissolved Oxygen		3.4			mg/L					Field	SW
8/2/2007	8/2/2007	WBR-001	WBR-001	1	Tier 1		Flow		0.01335			cfs					Field	SW
8/2/2007	8/2/2007	WBR-001	WBR-001	1	Tier 1		pH		6.4			S.U.					Field	SW
8/2/2007	8/2/2007	WBR-001	WBR-001	1	Tier 1		Specific Conductance		77			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	WBR-001	WBR-001	1	Tier 1		Temperature		18.4			Celcius					Field	SW
8/2/2007	8/2/2007	WBR-002	WBR-002	1	Tier 1		Dissolved Oxygen		NM			mg/L					Field	SW
8/2/2007	8/2/2007	WBR-002	WBR-002	1	Tier 1		Flow		0.00075			cfs					Field	SW
8/2/2007	8/2/2007	WBR-002	WBR-002	1	Tier 1		pH		6.6			S.U.					Field	SW
8/2/2007	8/2/2007	WBR-002	WBR-002	1	Tier 1		Specific Conductance		276			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	WBR-002	WBR-002	1	Tier 1		Temperature		21.6			Celcius					Field	SW
8/2/2007	8/2/2007	WBR-003	WBR-003	1	Tier 1		Dissolved Oxygen		NM			mg/L					Field	SW
8/2/2007	8/2/2007	WBR-003	WBR-003	1	Tier 1		Flow		0.0062			cfs					Field	SW
8/2/2007	8/2/2007	WBR-003	WBR-003	1	Tier 1		pH		6.7			S.U.					Field	SW
8/2/2007	8/2/2007	WBR-003	WBR-003	1	Tier 1		Specific Conductance		213			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	WBR-003	WBR-003	1	Tier 1		Temperature		20.6			Celcius					Field	SW
8/2/2007	8/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Dissolved Oxygen		d			mg/L					Field	SW
8/2/2007	8/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Flow		0			cfs					Field	SW
8/2/2007	8/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		pH		d			S.U.					Field	SW
8/2/2007	8/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Specific Conductance		d			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	WLD-001NW	WLD-001NW	1	Tier 1		Temperature		d			Celcius					Field	SW
8/2/2007	8/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Dissolved Oxygen		1.1			mg/L					Field	SW
8/2/2007	8/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Flow		0			cfs					Field	SW

Table F-2

Surface Water Results Summary

EventDate	CollectionDate	Location	Field ID	Duplicate	Data Level	Lab Sample Number	Parameter	Flag	Result	MDL	EQL	Units	Dilution	Sample Depth feet bgs	Prep Method	Analysis Method	Parameter Type	Matrix
8/2/2007	8/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		pH		6.9			S.U.					Field	SW
8/2/2007	8/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Specific Conductance		283			umhos/cm @25 degrees C					Field	SW
8/2/2007	8/2/2007	WLD-001SE	WLD-001SE	1	Tier 1		Temperature		19.9			Celcius					Field	SW

F-3

Sediment Analytical Results Compared to Groundwater Surface Water Interface Protection Criteria

Table F-3
Sediment Results

Event Date	Parameter	Units	Data Level	GSI Protection	GSI Protection Code	Location	MER-002	WLD-003	HMP-005	EBR-001	HMP-001	HMP-004	HMP-005	HMP-006	HMP-007	HMP-009	HTP-001	HTP-002	LKL-001
						Field ID	DUPD-001	DUPD-001	DUPD-002	EBRD-001	HMPD-001	HMPD-004	HMPD-005	HMPD-006	HMPD-007	HMPD-009	HTPD-001	HTPD-002	LKLD-001
03-Aug-06	**Metal**																		
	Aluminum	mg/kg	Tier1		NA		3400	11800		8180	24500						3920	5510	17200
	Antimony	mg/kg	Tier 1	94			0.3	0.27		1.2	22.4						0.35	0.28	0.97
	Arsenic	mg/kg	Tier 1	70	X		9.6	4.1		56.9	**165**						8.8	19.4	16
	Barium	mg/kg	Tier 1	140	G,X		14.7	85		115	11.3						9.3	11.7	74.2
	Beryllium	mg/kg	Tier 1	5.2	G		0.16	<0.76		1.3	0.33 J						0.85	1.2	4.7
	Boron	mg/kg	Tier 1	38			2.6	11.9		18.1	2 J						<3.5	2	13.7
	Cadmium	mg/kg	Tier 1	1.6	G,X		<0.12	0.37		<1.2	0.75						<0.17	<0.13	<0.24
	Chromium	mg/kg	Tier 1	1200000	G, X		51	16.7		23.5	580						30.3	64.8	30.2
	Cobalt	mg/kg	Tier 1	2			**3.9**	**3.8**		**10.7**	**74.6**						**3.3**	**3.7**	**15.4**
	Copper	mg/kg	Tier 1	29	G		24.3	9.8		27.5	**491**						11.5	4.8	**42.9**
	Iron	mg/kg	Tier 1		NA		33300	18900		56600	82100						152000	210000	116000
	Lead	mg/kg	Tier 1	850	G,M,X		3.4	23.3		23.3	238						7.8	9.1	17.9
	Lithium	mg/kg	Tier 1	1.9			**5**	**6.4**		**5.6**	**22.8**						**4.9**	**5.4**	**29.5**
	Magnesium	mg/kg	Tier 1		NA						44200								
	Manganese	mg/kg	Tier 1	21	G,X		**385**	**352**		**1030**	**610**						**264**	**367**	**1190**
	Mercury	mg/kg	Tier 1	0.1	M		<0.021	**0.13**		**0.3**	0.02 J						0.059	**0.14**	**0.34**
	Molybdenum	mg/kg	Tier 1	16	X		2.9	1.1		5.2	**107**						3.8	4.9	7.1
	Nickel	mg/kg	Tier 1	30	G		28.9	9.2		**46.4**	**615**						11.2	24.4	**59.5**
	Selenium	mg/kg	Tier 1	0.4			<0.58	<1.9		**3.6**	**1.5**						<0.86	<0.66	<6
	Silver	mg/kg	Tier 1	0.5	M		<0.23	**2.2**		**5.8**	**3.2**						**0.99**	0.28	**2.4**
	Thallium	mg/kg	Tier 1	4.2	X						0.14 J								
	Vanadium	mg/kg	Tier 1	190							13.1								
	Zinc	mg/kg	Tier 1	65	G		21.7	53.3		**103**	**230**						10.9	9.6	46.4 J
	Field																		
	Percent Moisture	%	Tier 1								47								
	Percent Solids	%	Tier 1				80.6			7.94									
	Sulfide	mg/kg	Tier 1				28 B	740		1000	180						280	470	860

Prepared by: ECB/SVF
Checked by: JSL

Table F-3
Sediment Results

Event Date	Parameter	Units	Data Level	GSI Protection	GSI Protection Code	Location	MER-002	WLD-003	HMP-005	EBR-001	HMP-001	HMP-004	HMP-005	HMP-006	HMP-007	HMP-009	HTP-001	HTP-002	LKL-001
						Field ID	DUPD-001	DUPD-001	DUPD-002	EBRD-001	HMPD-001	HMPD-004	HMPD-005	HMPD-006	HMPD-007	HMPD-009	HTPD-001	HTPD-002	LKLD-001
30-May-07	**Field**																		
	pH	S.U.	Tier 1						6.4			7.1	6.8	5.2	6.3	7			
	Metal																		
	Aluminum	mg/kg	Tier 1		NA				3000			3400	2900	13000	3400	3200			
	Antimony	mg/kg	Tier 1	94					0.86			37	0.49	0.17 B	1.4	9			
	Arsenic	mg/kg	Tier 1	70	X				45			3.4	38	2.2	6.2	3.6			
	Barium	mg/kg	Tier 1	140	G,X				22			17	17	130	25	30			
	Beryllium	mg/kg	Tier 1	5.2	G				<0.39 U			<0.73 U	<0.42 U	<0.54 U	<0.69 U	<0.41 U			
	Boron	mg/kg	Tier 1	38					3.1 B			<4.4 U	3.6 B	<3.3 U	<4.2 U	4.0 B			
	Cadmium	mg/kg	Tier 1	1.6	G,X				0.23			0.22 B	0.17	0.45	0.23 B	0.16			
	Chromium	mg/kg	Tier 1	1200000	G, X				11			7.7	9.9	17	7	5.6			
	Cobalt	mg/kg	Tier 1	2					**11**			**3.8**	**9.9**	1.7 B	**4.7**	**10**			
	Copper	mg/kg	Tier 1	29	G				**29**			**92**	18	10 B	18 B	**52**			
	Iron	mg/kg	Tier 1		NA				32000			5900	29000	6400	12000	7800			
	Lead	mg/kg	Tier 1	85	G,M,X				6.5			21	4.6	9.3	10	4.8			
	Lithium	mg/kg	Tier 1	1.9					**5**			**2.4**	**3.8**	**12**	**5.5**	**4.7**			
	Magnesium	mg/kg	Tier 1		NA				1700			1700	1500	1300	1100 B	1200			
	Manganese	mg/kg	Tier 1	21	G,X				**260**			**30**	**240**	**52**	**150**	**640**			
	Mercury	mg/kg	Tier 1	0.1	M				0.0074 B			0.093	0.0056 B	**0.11**	0.039	0.032			
	Molybdenum	mg/kg	Tier 1	16	X				0.92 B			11 B	0.86 B	<0.53 U	<0.69 U	3.3 B			
	Nickel	mg/kg	Tier 1	30	G				23			**130**	22	12 B	10 B	**71**			
	Selenium	mg/kg	Tier 1	0.4					0.23			**1.1**	0.14 B	**0.58**	**0.88**	**0.53**			
	Silver	mg/kg	Tier 1	0.5	M				0.2			0.24	0.11	0.11	<0.037 U	0.18			
	Thallium	mg/kg	Tier 1	4.2	X				<0.040 U			<0.075 U	0.061 B	0.12 B	<0.071 U	<0.042 U			
	Vanadium	mg/kg	Tier 1	190					9.9			11	10	17	16	11			
	Zinc	mg/kg	Tier 1	65	G				26			21	22	39	27	15			

Table F-3
Sediment Results

Event Date	Parameter	Units	Data Level	LKL-002	MBR-001	MER-001	MER-002	MER-003	HPL-004	HPL-004	WBR-001	WBR-002	WBR-003	WLD-001	WLD-003
				LKLD-002	MBRD-001	MERD-001	MERD-002	MERD-003	PSED-1	PSED-1D	WBRD-001	WBRD-002	WBRD-003	WLDD-001	WLDD-003
03-Aug-06	**Metal**														
	Aluminum	mg/kg	Tier1	12600	3250	9340	3910	2970			2130	4700	8100	2020	10900
	Antimony	mg/kg	Tier 1	0.88	3	0.1 J	0.65	0.17			0.17	0.14	0.12	1.3	0.3
	Arsenic	mg/kg	Tier 1	33.4	16.8	20.9	7.7	10.2			2	11.2	8.6	11.5	4.6
	Barium	mg/kg	Tier 1	65	27.6	39.2	17.6	17.8			17.9	12.7	17	58.9	101
	Beryllium	mg/kg	Tier 1	4.1	<0.21	0.2 J	0.23	0.13 J			<0.39	0.27	0.25	2	<0.89
	Boron	mg/kg	Tier 1	15	1.5	<2.2	3.9	<2.3			<3.9	2	2	25.2	16.4
	Cadmium	mg/kg	Tier 1	<0.31	<0.11	<0.11	<0.1	<0.12			<0.2	<0.092	<0.099	<0.99	0.43
	Chromium	mg/kg	Tier 1	30.4	17.1	23	31.2	9.4			6.3	9.1	20.4	11.8	18.9
	Cobalt	mg/kg	Tier 1	**10.8**	**8**	**5.9**	**4.8**	**3**			1.1	**4**	**4.8**	**3.1**	**4.6**
	Copper	mg/kg	Tier 1	23.9	**33.6**	12.5	18.1	5.2			3.4	9.1	16.2	26.5	11.2
	Iron	mg/kg	Tier 1	101000	166000	28000	58500	15300			4619	19800	25200	49300	21200
	Lead	mg/kg	Tier 1	28.8	66.8	6.8	47.1	2.6			6.9	2.3	2.8	11	26.1
	Lithium	mg/kg	Tier 1	**20.7**	**3.9**	**11.2**	**9.6**	**8.6**			**2.4**	**6.2**	**11.6**	1.5	**7.2**
	Magnesium	mg/kg	Tier 1												
	Manganese	mg/kg	Tier 1	**1260**	**1570**	**321**	**433**	**246**			**59.6**	**164**	**186**	**2190**	**397**
	Mercury	mg/kg	Tier 1	**0.41**	<0.022	<0.019	<0.022	<0.019			0.03	<0.021	<0.024	<0.12	**0.13**
	Molybdenum	mg/kg	Tier 1	10.8	1.7	0.33	1.1	0.52			0.29	0.84	1.1	3.6	1.2
	Nickel	mg/kg	Tier 1	**54.1**	14.1	21.7	16.5	9.4			4.7	13.7	19.8	11.3	10.3
	Selenium	mg/kg	Tier 1	<7.7	<0.54	<0.54	<0.51	<0.58			<0.98	<0.46	<0.5	<4.9	<2.2
	Silver	mg/kg	Tier 1	**0.97**	<0.22	0.18 J	<0.2	0.22 J			0.33	0.11	0.1	1 J	**0.76**
	Thallium	mg/kg	Tier 1												
	Vanadium	mg/kg	Tier 1												
	Zinc	mg/kg	Tier 1	46.1 J	15.4	46	15.8	19			12.7	17.3	40.6	**73.8**	60.6
	Field														
	Percent Moisture	%	Tier 1												
	Percent Solids	%	Tier 1		91.4		74.8				33.9	89.8	68.9		
	Sulfide	mg/kg	Tier 1	1300	16 B	390	80	280			220	11 B	240	150	730

Prepared by: ECB/SVF
Checked by: JSL

Table F-3
Sediment Results

Event Date	Parameter	Units	Data Level	LKL-002	MBR-001	MER-001	MER-002	MER-003	HPL-004	HPL-004	WBR-001	WBR-002	WBR-003	WLD-001	WLD-003
				LKLD-002	MBRD-001	MERD-001	MERD-002	MERD-003	PSED-1	PSED-1D	WBRD-001	WBRD-002	WBRD-003	WLDD-001	WLDD-003
30-May-07	**Field**														
	pH	S.U.	Tier 1						8	8					
	Metal														
	Aluminum	mg/kg	Tier 1						24000	23000					
	Antimony	mg/kg	Tier 1						16	15					
	Arsenic	mg/kg	Tier 1						53	52					
	Barium	mg/kg	Tier 1						11	10					
	Beryllium	mg/kg	Tier 1						<0.46 U	<0.45 U					
	Boron	mg/kg	Tier 1						<2.8 U	<2.7 U					
	Cadmium	mg/kg	Tier 1						0.49	0.45					
	Chromium	mg/kg	Tier 1						440	420					
	Cobalt	mg/kg	Tier 1						**26**	**26**					
	Copper	mg/kg	Tier 1						**58**	**59**					
	Iron	mg/kg	Tier 1						39000	39000					
	Lead	mg/kg	Tier 1						56	55					
	Lithium	mg/kg	Tier 1						**22**	**21**					
	Magnesium	mg/kg	Tier 1						39000	39000					
	Manganese	mg/kg	Tier 1						**440**	**440**					
	Mercury	mg/kg	Tier 1						0.012 B	0.010 B					
	Molybdenum	mg/kg	Tier 1						**24**	**24**					
	Nickel	mg/kg	Tier 1						**220**	**220**					
	Selenium	mg/kg	Tier 1						<0.046 U	<0.045 U					
	Silver	mg/kg	Tier 1						**1.2**	**1.1**					
	Thallium	mg/kg	Tier 1						<0.047 U	<0.046 U					
	Vanadium	mg/kg	Tier 1						22	20					
	Zinc	mg/kg	Tier 1						**97**	**92**					

B = Inorganic - The analyte has been detected between the method detection limit and the reporting limit.
J = All - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
M = Calculated criterian is below the analytical target detection limit, therefore, the criterian defaults to the target detection limit.
U = All - The analyte was not detected at or above the reporting limit.
< = All - The analyte was not detected at or above the reporting limit.
mg/kg = millograms/killograms
NA = Criterion or value is not available
X = The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
G = GSI criterion depends on the pH or water hardness, or both, ot the receiving surface water. The final chronic value for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water.
S.U. = standard unit

Prepared by: ECB/SVF
Checked by: JSL

F-4

Laboratory Analytical Reports

August – September 2006
(Surface Water Quality and Sediments)

Batch No. 875433

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

October 12, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 875433 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alan Her for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0992975

Section A Required Client Information:

Company: North Jackson Co.
Address: 1004 Harbor Hills Dr. Suite 102 MQT MI 49855
Email To: dwitala@northjacksonco.com
Phone: 906-225-6787 Fax: 906-225-6769
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Seth
Copy To: Steve Donohue
Purchase Order No.:
Project Name: Humboldt
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

1.C

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	HTPS-001E	WT	G	8/23/06	1115			19.7	14	X	X	X	X	X					001
2	HTPD-001	SL	G	8/23/06	1115			—	2	X									002
3	HTPS-002E	WT			1330			19.8	14	X	X	X	X	X					003
4	HTPD-001	SL			1330			—	2	X									004
5	DUPS-001	WT			—			—	14	X	X	X	X	X					005
6	DUPD-001	SL			—			—	2	X									006
7	WLDS-003E	WT			1515			21	14	X	X	X	X	X					007
8	WLDD-003	SL			1515			21	2	X	X								008
9	FBKS-001	WT						21	14	X	X	X	X	X					009
10																			
11																			
12																			

Filtered (Y/N)
Requested Analysis:

575433

Additional Comments:

DOC field filtered

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Andrew Marvin INTA	8/23/06	1700	Fed Ex			
~~Dustin~~ Fed Ex	8/24/06	1015	Lori Stevens	8/24/06	1015	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: D Witala A Marvin
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Temp in °C | Received on Ice Y/N | Custody Sealed Cooler Y/N | Samples Intact Y/N

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 875433

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
875433-001	HTPS-001E	WATER	08/23/06 11:15
875433-002	HTPD-001	SOIL	08/23/06 11:15
875433-003	HTPS-002E	WATER	08/23/06 13:30
875433-004	HTPD-002	SOIL	08/23/06 13:30
875433-005	DUPS-001	WATER	08/23/06
875433-006	DUPD-001	SOIL	08/23/06
875433-007	WLDS-003E	WATER	08/23/06 15:15
875433-008	WLDD-003	SOIL	08/23/06 15:15
875433-009	FBKS-001	WATER	08/23/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

alleller for Tod N.

Approval Signature

10/13/06

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	77		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Chloride	3.1	B	0.82	5.0	1	mg/L	AN	08/24/06	EPA 300.0	EPA 300.0
COD	34		9.7	20	1	mg/L		08/29/06	EPA 410.4	EPA 410.4
Fluoride	0.38	B	0.096	0.50	1	mg/L	N	08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.29	B	0.20	0.50	1	mg/L		09/05/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	8.5		0.77	4.0	1	mg/L	N	08/24/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/28/06	EPA 376.1	EPA 376.1
TOC as NPOC	11		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	13		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
Total Alkalinity	77		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Total Dissolved Solids	110		11	20	1	mg/L		08/28/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.9		0.30	1.2	1	mg/L		08/25/06	EPA 160.2	EPA 160.2
Turbidity	3.6		0.44	1.0	1	NTU	*		EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021

Pace Analytical
Services, Inc.

Analytical Report Number: 875433

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-001

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylenes, m + p	0.74	U	0.74	2.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		08/25/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPD-001

Matrix Type : SOIL
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	280	10	32	1	mg/kg		08/29/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.06		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	49		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Chloride	3.1	B	0.82	5.0	1	mg/L	A	08/24/06	EPA 300.0	EPA 300.0
COD	54		9.7	20	1	mg/L		08/29/06	EPA 410.4	EPA 410.4
Fluoride	0.30	B	0.096	0.50	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.28	B	0.20	0.50	1	mg/L		09/05/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	2.8	B	0.77	4.0	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/28/06	EPA 376.1	EPA 376.1
TOC as NPOC	12		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.8		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
Total Alkalinity	49		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Total Dissolved Solids	88		11	20	1	mg/L		08/28/06	EPA 160.1	EPA 160.1
Total Suspended Solids	20		0.79	3.3	1	mg/L		08/25/06	EPA 160.2	EPA 160.2
Turbidity	31		0.44	1.0	1	NTU			EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/25/06

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875433

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-003

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylenes, m + p	0.74	U	0.74	2.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		08/25/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPD-002

Matrix Type : SOIL
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	470	10	32	1	mg/kg		08/29/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 875433

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.741		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	21		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Chloride	3.0	B	0.82	5.0	1	mg/L	A	08/24/06	EPA 300.0	EPA 300.0
COD	28		9.7	20	1	mg/L		08/29/06	EPA 410.4	EPA 410.4
Fluoride	0.22	B	0.096	0.50	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	B	0.20	0.50	1	mg/L		09/05/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	2.8	B	0.77	4.0	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/28/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.1		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.6		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
Total Alkalinity	21		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Total Dissolved Solids	50		11	20	1	mg/L		08/28/06	EPA 160.1	EPA 160.1
Total Suspended Solids	2.6		0.30	1.2	1	mg/L		08/25/06	EPA 160.2	EPA 160.2
Turbidity	3.3		0.44	1.0	1	NTU			EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/25/06

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Ani Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-005

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylenes, m + p	0.74	U	0.74	2.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		08/25/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPD-001

Matrix Type : SOIL
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	740	10	32	1	mg/kg		08/29/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-007

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.543		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	24		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Chloride	3.0	B	0.82	5.0	1	mg/L	A	08/24/06	EPA 300.0	EPA 300.0
COD	31		9.7	20	1	mg/L		08/29/06	EPA 410.4	EPA 410.4
Fluoride	0.22	B	0.096	0.50	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.24	B	0.20	0.50	1	mg/L		09/05/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	2.9	B	0.77	4.0	1	mg/L		08/24/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/28/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.6		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.8		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
Total Alkalinity	24		3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Total Dissolved Solids	46		11	20	1	mg/L		08/28/06	EPA 160.1	EPA 160.1
Total Suspended Solids	2.3		0.30	1.2	1	mg/L		08/25/06	EPA 160.2	EPA 160.2
Turbidity	5.7		0.44	1.0	1	NTU			EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/25/06

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-007

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylenes, m + p	0.74	U	0.74	2.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		08/25/06	SW846 5030B	SW846 M8021

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920-469-2436

Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WLDD-003

Matrix Type : SOIL
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	730	10	32	1	mg/kg		08/29/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

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Analytical Report Number: 875433

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-009

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.213	B	0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Chloride	3.3	B	0.82	5.0	1	mg/L		08/25/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		08/29/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.37	B	0.20	0.50	1	mg/L		09/05/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	08/25/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/25/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	0.77	U	0.77	4.0	1	mg/L		08/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/28/06	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	0.72	U	0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
Total Alkalinity	3.7	U	3.7	5.0	1	mg/L		08/30/06	SM 2320B	SM 2320B
Total Dissolved Solids	11	U	11	20	1	mg/L		08/28/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.24	U	0.24	1.0	1	mg/L		08/25/06	EPA 160.2	EPA 160.2
Turbidity	0.59	B	0.44	1.0	1	NTU			EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875433

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 08/23/06
Report Date : 10/12/06
Lab Sample Number : 875433-009

BTEX

Prep Date: 08/25/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Xylenes, m + p	0.74	U	0.74	2.0	1	ug/L		08/25/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100		80	124	1	%		08/25/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

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Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
875433	W-CL-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.9 mg/L for samples 001, 003, 005 and 007.
875433-001	W-TURB-W	HTPS-001E	* - Duplicate analyses not within control limits.
875433-009	W-NO2-W	FBKS-001	H - Analysis performed ~ 5 hours past holding time.
875433-009	W-NO3-W	FBKS-001	H - Analysis performed ~ 5 hours past holding time.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

October 11, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 25, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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Fax: (612)607-6444

SAMPLE SUMMARY

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Lab ID	Sample ID	Matrix	Date Collected	Date Received
875433001	HTPS-001E	Water	08/23/06 00:00	08/25/06 09:15
875433003	HTPS-002E	Water	08/23/06 00:00	08/25/06 09:15
875433005	DUPS-001	Water	08/23/06 00:00	08/25/06 09:15
875433007	WLDS-003E	Water	08/23/06 00:00	08/25/06 09:15
875433009	FBKS-001	Water	08/23/06 00:00	08/25/06 09:15

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SAMPLE ANALYTE COUNT

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Lab ID	Sample ID	Method	Analytes Reported
875433001	HTPS-001E	EPA 1664 TPH	1
		EPA 6020	24
875433003	HTPS-002E	EPA 1664 TPH	1
		EPA 6020	24
875433005	DUPS-001	EPA 1664 TPH	1
		EPA 6020	24
875433007	WLDS-003E	EPA 1664 TPH	1
		EPA 6020	24
875433009	FBKS-001	EPA 1664 TPH	1
		EPA 6020	24

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Sample: HTPS-001E **Lab ID: 875433001** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**7.2**	ug/L	1.6	0.49	1	08/29/06 00:00	08/30/06 15:51	7429-90-5	
Antimony	**0.13**	ug/L	0.13	0.039	1	08/29/06 00:00	08/30/06 15:51	7440-36-0	
Arsenic	**1.7**	ug/L	0.12	0.035	1	08/29/06 00:00	08/30/06 15:51	7440-38-2	
Barium	**5.1**	ug/L	0.11	0.033	1	08/29/06 00:00	08/30/06 15:51	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 15:51	7440-41-7	
Boron	**41.1**	ug/L	0.57	0.17	1	08/29/06 00:00	08/30/06 15:51	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 15:51	7440-43-9	
Calcium	**13700**	ug/L	300	90.0	50	08/29/06 00:00	08/30/06 15:59	7440-70-2	
Chromium	**0.37**	ug/L	0.30	0.091	1	08/29/06 00:00	08/30/06 15:51	7440-47-3	
Cobalt	**0.18**	ug/L	0.029	0.0087	1	08/29/06 00:00	08/30/06 15:51	7440-48-4	
Copper	**0.73**	ug/L	0.087	0.026	1	08/29/06 00:00	08/30/06 15:51	7440-50-8	
Iron	**1100**	ug/L	21.0	6.3	1	08/29/06 00:00	08/30/06 15:51	7439-89-6	
Lead	**0.11**	ug/L	0.10	0.030	1	08/29/06 00:00	08/30/06 15:51	7439-92-1	
Lithium	**7.6**	ug/L	0.047	0.014	1	08/29/06 00:00	08/30/06 15:51	7439-93-2	
Magnesium	**12000**	ug/L	6.5	1.9	5	08/29/06 00:00	08/30/06 15:55	7439-95-4	
Manganese	**16.6**	ug/L	0.16	0.047	1	08/29/06 00:00	08/30/06 15:51	7439-96-5	
Molybdenum	**3.7**	ug/L	0.11	0.034	1	08/29/06 00:00	08/30/06 15:51	7439-98-7	
Nickel	**1.2**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 15:51	7440-02-0	
Potassium	**2730**	ug/L	150	45.5	5	08/29/06 00:00	08/30/06 15:55	7440-09-7	
Selenium	**0.33J**	ug/L	0.40	0.12	1	08/29/06 00:00	08/30/06 15:51	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 15:51	7440-22-4	
Sodium	**357**	ug/L	11.0	3.4	1	08/29/06 00:00	08/30/06 15:51	7440-23-5	
Total Hardness by 2340B	**83800**	ug/L	5900	1780	50	08/29/06 00:00	08/30/06 15:59		
Zinc	**2.0**	ug/L	1.0	0.30	1	08/29/06 00:00	08/30/06 15:51	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		08/30/06 07:38		

Sample: HTPS-002E **Lab ID: 875433003** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**10.9**	ug/L	1.6	0.49	1	08/29/06 00:00	08/30/06 16:24	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/29/06 00:00	08/30/06 16:24	7440-36-0	
Arsenic	**2.4**	ug/L	0.12	0.035	1	08/29/06 00:00	08/30/06 16:24	7440-38-2	
Barium	**9.1**	ug/L	0.11	0.033	1	08/29/06 00:00	08/30/06 16:24	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:24	7440-41-7	
Boron	**23.9**	ug/L	2.8	0.85	5	08/29/06 00:00	08/31/06 16:52	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:24	7440-43-9	
Calcium	**11900**	ug/L	30.0	9.0	5	08/29/06 00:00	08/31/06 16:52	7440-70-2	
Chromium	**0.27J**	ug/L	0.30	0.091	1	08/29/06 00:00	08/30/06 16:24	7440-47-3	
Cobalt	**0.15**	ug/L	0.029	0.0087	1	08/29/06 00:00	08/30/06 16:24	7440-48-4	
Copper	**0.15**	ug/L	0.087	0.026	1	08/29/06 00:00	08/30/06 16:24	7440-50-8	

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Phone: (612)607-1700
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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Sample: HTPS-002E **Lab ID: 875433003** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**2720**	ug/L	105	31.5	5	08/29/06 00:00	08/31/06 16:52	7439-89-6	
Lead	**0.14**	ug/L	0.10	0.030	1	08/29/06 00:00	08/30/06 16:24	7439-92-1	
Lithium	**2.6**	ug/L	0.24	0.070	5	08/29/06 00:00	08/31/06 16:52	7439-93-2	
Magnesium	**5230**	ug/L	6.5	1.9	5	08/29/06 00:00	08/31/06 16:52	7439-95-4	
Manganese	**236**	ug/L	0.80	0.24	5	08/29/06 00:00	08/31/06 16:52	7439-96-5	
Molybdenum	**0.73**	ug/L	0.11	0.034	1	08/29/06 00:00	08/30/06 16:24	7439-98-7	
Nickel	**1.1**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:24	7440-02-0	
Potassium	**1520**	ug/L	30.0	9.1	1	08/29/06 00:00	08/30/06 16:24	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/29/06 00:00	08/30/06 16:24	7782-49-2	
Silver	**0.15**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:24	7440-22-4	
Sodium	**1210**	ug/L	11.0	3.4	1	08/29/06 00:00	08/30/06 16:24	7440-23-5	
Total Hardness by 2340B	**51100**	ug/L	590	178	5	08/29/06 00:00	08/31/06 16:52		
Zinc	**1.7**	ug/L	1.0	0.30	1	08/29/06 00:00	08/30/06 16:24	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		08/30/06 07:38		

Sample: DUPS-001 **Lab ID: 875433005** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**7.1**	ug/L	1.6	0.49	1	08/29/06 00:00	08/30/06 16:36	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/29/06 00:00	08/30/06 16:36	7440-36-0	
Arsenic	**0.38**	ug/L	0.12	0.035	1	08/29/06 00:00	08/30/06 16:36	7440-38-2	
Barium	**8.5**	ug/L	0.11	0.033	1	08/29/06 00:00	08/30/06 16:36	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:36	7440-41-7	
Boron	**10.8**	ug/L	1.1	0.34	2	08/29/06 00:00	08/31/06 16:56	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:36	7440-43-9	
Calcium	**6370**	ug/L	30.0	9.0	5	08/29/06 00:00	08/30/06 16:40	7440-70-2	
Chromium	**0.35**	ug/L	0.30	0.091	1	08/29/06 00:00	08/30/06 16:36	7440-47-3	
Cobalt	**0.043**	ug/L	0.029	0.0087	1	08/29/06 00:00	08/30/06 16:36	7440-48-4	
Copper	**0.12**	ug/L	0.087	0.026	1	08/29/06 00:00	08/30/06 16:36	7440-50-8	
Iron	**846**	ug/L	21.0	6.3	1	08/29/06 00:00	08/30/06 16:36	7439-89-6	
Lead	**0.046J**	ug/L	0.10	0.030	1	08/29/06 00:00	08/30/06 16:36	7439-92-1	
Lithium	**0.25**	ug/L	0.094	0.028	2	08/29/06 00:00	08/31/06 16:56	7439-93-2	
Magnesium	**1660**	ug/L	1.3	0.38	1	08/29/06 00:00	08/30/06 16:36	7439-95-4	
Manganese	**40.4**	ug/L	0.16	0.047	1	08/29/06 00:00	08/30/06 16:36	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	08/29/06 00:00	08/30/06 16:36	7439-98-7	
Nickel	**0.20**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:36	7440-02-0	
Potassium	**414**	ug/L	30.0	9.1	1	08/29/06 00:00	08/30/06 16:36	7440-09-7	
Selenium	**0.12J**	ug/L	0.40	0.12	1	08/29/06 00:00	08/30/06 16:36	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:36	7440-22-4	
Sodium	**725**	ug/L	11.0	3.4	1	08/29/06 00:00	08/30/06 16:36	7440-23-5	

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Sample: DUPS-001 Lab ID: 875433005 Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Total Hardness by 2340B	**22700**	ug/L	590	178	5	08/29/06 00:00	08/30/06 16:40		
Zinc	**1.9**	ug/L	1.0	0.30	1	08/29/06 00:00	08/30/06 16:36	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		08/30/06 07:38		

Sample: WLDS-003E Lab ID: 875433007 Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**6.9**	ug/L	1.6	0.49	1	08/29/06 00:00	08/30/06 16:48	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/29/06 00:00	08/30/06 16:48	7440-36-0	
Arsenic	**0.38**	ug/L	0.12	0.035	1	08/29/06 00:00	08/30/06 16:48	7440-38-2	
Barium	**8.3**	ug/L	0.11	0.033	1	08/29/06 00:00	08/30/06 16:48	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:48	7440-41-7	
Boron	**10.3**	ug/L	1.1	0.34	2	08/29/06 00:00	08/31/06 17:00	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 16:48	7440-43-9	
Calcium	**6720**	ug/L	30.0	9.0	5	08/29/06 00:00	08/30/06 16:52	7440-70-2	
Chromium	**0.22J**	ug/L	0.30	0.091	1	08/29/06 00:00	08/30/06 16:48	7440-47-3	
Cobalt	**0.039**	ug/L	0.029	0.0087	1	08/29/06 00:00	08/30/06 16:48	7440-48-4	
Copper	**0.12**	ug/L	0.087	0.026	1	08/29/06 00:00	08/30/06 16:48	7440-50-8	
Iron	**887**	ug/L	21.0	6.3	1	08/29/06 00:00	08/30/06 16:48	7439-89-6	
Lead	ND	ug/L	0.10	0.030	1	08/29/06 00:00	08/30/06 16:48	7439-92-1	
Lithium	**0.26**	ug/L	0.094	0.028	2	08/29/06 00:00	08/31/06 17:00	7439-93-2	
Magnesium	**1630**	ug/L	1.3	0.38	1	08/29/06 00:00	08/30/06 16:48	7439-95-4	
Manganese	**40.2**	ug/L	0.16	0.047	1	08/29/06 00:00	08/30/06 16:48	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	08/29/06 00:00	08/30/06 16:48	7439-98-7	
Nickel	**0.15**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:48	7440-02-0	
Potassium	**411**	ug/L	30.0	9.1	1	08/29/06 00:00	08/30/06 16:48	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/29/06 00:00	08/30/06 16:48	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 16:48	7440-22-4	
Sodium	**709**	ug/L	11.0	3.4	1	08/29/06 00:00	08/30/06 16:48	7440-23-5	
Total Hardness by 2340B	**23500**	ug/L	590	178	5	08/29/06 00:00	08/30/06 16:52		
Zinc	**1.7**	ug/L	1.0	0.30	1	08/29/06 00:00	08/30/06 16:48	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**3.7J**	mg/L	5.1	2.4	1		08/30/06 07:38		

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

Sample: FBKS-001 **Lab ID: 875433009** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**2.8**	ug/L	1.6	0.49	1	08/29/06 00:00	08/30/06 17:21	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/29/06 00:00	08/30/06 17:21	7440-36-0	
Arsenic	ND	ug/L	0.12	0.035	1	08/29/06 00:00	08/30/06 17:21	7440-38-2	
Barium	**0.089J**	ug/L	0.11	0.033	1	08/29/06 00:00	08/30/06 17:21	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 17:21	7440-41-7	
Boron	**186**	ug/L	5.7	1.7	10	08/29/06 00:00	08/31/06 17:04	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/29/06 00:00	08/30/06 17:21	7440-43-9	
Calcium	**8.6**	ug/L	6.0	1.8	1	08/29/06 00:00	08/30/06 17:21	7440-70-2	
Chromium	**0.17J**	ug/L	0.30	0.091	1	08/29/06 00:00	08/30/06 17:21	7440-47-3	
Cobalt	ND	ug/L	0.029	0.0087	1	08/29/06 00:00	08/30/06 17:21	7440-48-4	
Copper	**2.2**	ug/L	0.087	0.026	1	08/29/06 00:00	08/30/06 17:21	7440-50-8	
Iron	**22.8**	ug/L	21.0	6.3	1	08/29/06 00:00	08/30/06 17:21	7439-89-6	
Lead	**0.21**	ug/L	0.10	0.030	1	08/29/06 00:00	08/30/06 17:21	7439-92-1	
Lithium	**0.046J**	ug/L	0.047	0.014	1	08/29/06 00:00	08/30/06 17:21	7439-93-2	
Magnesium	**0.95J**	ug/L	1.3	0.38	1	08/29/06 00:00	08/30/06 17:21	7439-95-4	
Manganese	ND	ug/L	0.16	0.047	1	08/29/06 00:00	08/30/06 17:21	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	08/29/06 00:00	08/30/06 17:21	7439-98-7	
Nickel	**0.18**	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 17:21	7440-02-0	
Potassium	ND	ug/L	30.0	9.1	1	08/29/06 00:00	08/30/06 17:21	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/29/06 00:00	08/30/06 17:21	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/29/06 00:00	08/30/06 17:21	7440-22-4	
Sodium	**1110**	ug/L	11.0	3.4	1	08/29/06 00:00	08/30/06 17:21	7440-23-5	
Total Hardness by 2340B	ND	ug/L	118	35.5	1	08/29/06 00:00	08/30/06 17:21		
Zinc	**3.5**	ug/L	1.0	0.30	1	08/29/06 00:00	08/30/06 17:21	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		08/30/06 07:38		

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

QC Batch: WET/7348 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 875433001, 875433003, 875433005, 875433007, 875433009

METHOD BLANK: 253788
Associated Lab Samples: 875433001, 875433003, 875433005, 875433007, 875433009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 253789 253790

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.0	16.4	75	82	64-132	9	34	

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

QC Batch: MPRP/7062 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 875433001, 875433003, 875433005, 875433007, 875433009

METHOD BLANK: 254035
Associated Lab Samples: 875433001, 875433003, 875433005, 875433007, 875433009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	0.020J	0.047	
Beryllium	ug/L	ND	0.057	
Boron	ug/L	0.90	0.57	
Sodium	ug/L	4.4J	11.0	
Magnesium	ug/L	0.73J	1.3	
Aluminum	ug/L	1.8	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	10.3	6.0	
Chromium	ug/L	ND	0.30	
Iron	ug/L	26.9	21.0	
Manganese	ug/L	0.24	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	ND	0.14	
Copper	ug/L	0.050J	0.087	
Zinc	ug/L	1.7	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Silver	ug/L	ND	0.14	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	0.15	0.11	
Lead	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 254036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	88.4	110	85-115	
Beryllium	ug/L	80	85.0	106	85-115	
Boron	ug/L	80	86.7	108	85-115	
Sodium	ug/L	1000	1000	100	85-115	
Magnesium	ug/L	1000	1040	104	85-115	
Aluminum	ug/L	80	82.7	103	85-115	
Potassium	ug/L	1000	987	99	85-115	
Calcium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	80	81.1	101	85-115	
Iron	ug/L	1000	1030	103	85-115	
Manganese	ug/L	80	80.4	100	85-115	
Cobalt	ug/L	80	81.5	102	85-115	
Nickel	ug/L	80	81.1	101	85-115	
Copper	ug/L	80	79.6	99	85-115	

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

LABORATORY CONTROL SAMPLE: 254036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	80	78.7	98	85-115	
Arsenic	ug/L	80	79.2	99	85-115	
Selenium	ug/L	160	158	99	85-115	
Molybdenum	ug/L	80	78.7	98	85-115	
Silver	ug/L	80	88.1	110	85-115	
Cadmium	ug/L	80	78.6	98	85-115	
Antimony	ug/L	80	80.7	101	85-115	
Barium	ug/L	80	80.2	100	85-115	
Lead	ug/L	80	79.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 254037 254038

Parameter	Units	875433001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	7.6	80	80	94.9	97.8	109	113	70-130	3	20	
Beryllium	ug/L	ND	80	80	85.1	86.6	106	108	70-130	2	20	
Boron	ug/L	41.1	80	80	130	131	111	113	70-130	.8	20	
Sodium	ug/L	357	1000	1000	1300	1360	94	100	70-130	4	20	
Magnesium	ug/L	12000	1000	1000	12600	12900	53	86	70-130	3	20	M3
Aluminum	ug/L	7.2	80	80	87.4	88.0	100	101	70-130	.7	20	
Potassium	ug/L	2730	1000	1000	3610	3670	88	94	70-130	2	20	
Calcium	ug/L	13700	1000	1000	14300	14500	62	81	70-130	1	20	M3
Chromium	ug/L	0.37	80	80	77.4	79.0	96	98	70-130	2	20	
Iron	ug/L	1100	1000	1000	2030	2040	93	94	70-130	.4	20	
Manganese	ug/L	16.6	80	80	93.4	96.2	96	99	70-130	3	20	
Cobalt	ug/L	0.18	80	80	78.5	77.8	98	97	70-130	.8	20	
Nickel	ug/L	1.2	80	80	77.2	76.3	95	94	70-130	1	20	
Copper	ug/L	0.73	80	80	76.2	75.4	94	93	70-130	.9	20	
Zinc	ug/L	2.0	80	80	76.1	75.7	93	92	70-130	.5	20	
Arsenic	ug/L	1.7	80	80	76.2	76.1	93	93	70-130	.2	20	
Selenium	ug/L	0.33J	160	160	151	150	94	93	70-130	.9	20	
Molybdenum	ug/L	3.7	80	80	80.7	78.1	96	93	70-130	3	20	
Silver	ug/L	ND	80	80	73.3	83.7	92	105	70-130	13	20	
Cadmium	ug/L	ND	80	80	77.3	74.9	97	94	70-130	3	20	
Antimony	ug/L	0.13	80	80	78.5	76.5	98	95	70-130	3	20	
Barium	ug/L	5.1	80	80	84.1	80.3	99	94	70-130	5	20	
Lead	ug/L	0.11	80	80	77.1	76.3	96	95	70-130	1	20	

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QUALIFIERS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037424

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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IRWO

Sending Region / Original Receipt Date:	Pace-WI / 8/24/06	Sending Project No:	875433
Receiving Region:	Pace-MN	Receiving Project No:	1037424
State of Sample Origin:	WI	Date IRWO / Sub-COC Prepared:	8/24/06
Sending Project Manager:	TOD NOLTEMEYER	REQUESTED COMPLETION DATE:	9/7/06
Consolidated IRWO:	NO	Return Samples to Sending Region:	No
External Client:	FOTH&VAN DYKE	Was Completion Date pre-approved by receiving lab:	No
QC Deliverable Needed:	results only	Reportable Units Needed:	any
Work Type if not Analytical:	-	Report on a Wet Weight or Dry Weight Basis:	wet
Any Other Special Requirements: (All questions go to sending PM)	METALS BY 6020. REPORT TO MDL.		

Test Requested	Quantity	Unit Price	Sub-Total 1	Test Requested	Quantity	Unit Price	Sub-Total 2
Metals by 6020	5	$ 168.00	$ 840.00				$ -
Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mg, Ni, Se, Ag, Zn, Mo, Ca, K, Na, Li, B, Hardness			$ -				$ -
TPH SGT-HEM	5	$ 42.00	$ 210.00				$ -

Total = Sub-Total 1 + Sub-Total 2: $ 1,050.00

Receiving Region Department	GL Accounting Code	Totals from above	Revenue Allocation: Receiving Region (80%)	Revenue Allocation: Client Services Sending Region (20%)
Microbiology	17		$ -	$ -
Metals	20	$ 840.00	$ 672.00	$ 168.00
Wet Chemistry	21	$ 210.00	$ 168.00	$ 42.00
SV GCMS	30		$ -	$ -
SV GC & LC	31		$ -	$ -
V GC	33		$ -	$ -
V GCMS	34		$ -	$ -
Dioxin* (90/10 split)	35		$ -	$ -
Air	39		$ -	$ -
Other (Specify)			$ -	$ -
Total			$ 840.00	$ 210.00

P = Poly
G = Glass
AG = Amber Glass

*Preservation Codes
A = None B = HCL C = H2SO4 D = HNO3 E = DI Water
F = Methanol G = NaOH H = Sodium Bisulfate I = Na2S2O3

Sub-COC

Bottle Preservative	D		B		
Bottle Type	500 mlP		1-L		
Number of Bottles	1		1		
Analyses	Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mg, Ni, Se, Ag, Zn, Mo, Ca, K, Na, Li, B, Hardness		TPH SGT-HEM		

Client Sample ID	Pace Lab Number	Collect Date/Time	Matrix	Method	6020		1664		
HTPS-001E	875433-001	08/23/06	W		X		X		
HTPS-002E	875433-003	08/23/06	W		X		X		
DUPS-001	875433-005	08/23/06	W		X		X		
WLDS-003E	875433-007	08/23/06	W		X		X		
FBKS-001	875433-009	08/23/06	W		X		X		

Relinquished By: Steve Dietsch Date/Time: 8/24/06 1630 Received By: UPS Date/Time:

Relinquished By: Date/Time: Received By: J. Richardson Date/Time: 8/25/06 9:15

Receipt Temperature = 3.0

Confirmation of Work Completed By Receiving PM: Carey [illegible] Date: 9/6/06

DISPOSITION of FORM: When work is completed, copy of Sub-COC/IRWO goes to ABM.

GBC013a (07June2006)

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October 10, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 25, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colin Schuft

Colin Schuft for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Lab ID	Sample ID	Matrix	Date Collected	Date Received
875433002	HTPD-001	Solid	08/23/06 00:00	08/25/06 09:15
875433004	HTPD-002	Solid	08/23/06 00:00	08/25/06 09:15
875433006	DUPD-001	Solid	08/23/06 00:00	08/25/06 09:15
875433008	WLDD-003	Solid	08/23/06 00:00	08/25/06 09:15

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SAMPLE ANALYTE COUNT

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Lab ID	Sample ID	Method	Analytes Reported
875433002	HTPD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875433004	HTPD-002	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875433006	DUPD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875433008	WLDD-003	% Moisture	1
		EPA 6020	19
		EPA 7471	1

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Sample: HTPD-001 **Lab ID: 875433002** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**3920**	mg/kg	864	432	2500	08/30/06 00:00	09/01/06 13:04	7429-90-5	
Antimony	**0.35**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7440-36-0	
Arsenic	**8.8**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7440-38-2	
Barium	**9.3**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7440-39-3	
Beryllium	**0.85**	mg/kg	0.35	0.17	20	08/30/06 00:00	08/31/06 23:34	7440-41-7	
Boron	ND	mg/kg	3.5	1.7	20	08/30/06 00:00	08/31/06 23:34	7440-42-8	
Cadmium	ND	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7440-43-9	
Chromium	**30.3**	mg/kg	0.86	0.43	20	08/30/06 00:00	08/31/06 23:34	7440-47-3	
Cobalt	**3.3**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7440-48-4	
Copper	**11.5**	mg/kg	0.69	0.35	20	08/30/06 00:00	08/31/06 23:34	7440-50-8	
Iron	**152000**	mg/kg	10800	5400	2500	08/30/06 00:00	09/01/06 13:04	7439-89-6	
Lead	**7.8**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7439-92-1	
Lithium	**4.9**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7439-93-2	
Manganese	**264**	mg/kg	0.86	0.43	20	08/30/06 00:00	08/31/06 23:34	7439-96-5	
Molybdenum	**3.8**	mg/kg	0.17	0.086	20	08/30/06 00:00	08/31/06 23:34	7439-98-7	
Nickel	**11.2**	mg/kg	0.35	0.17	20	08/30/06 00:00	08/31/06 23:34	7440-02-0	
Selenium	ND	mg/kg	0.86	0.43	20	08/30/06 00:00	08/31/06 23:34	7782-49-2	
Silver	**0.99**	mg/kg	0.35	0.17	20	08/30/06 00:00	08/31/06 23:34	7440-22-4	B
Zinc	**10.9**	mg/kg	8.6	4.3	20	08/30/06 00:00	08/31/06 23:34	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.059**	mg/kg	0.033	0.016	1	08/29/06 00:00	08/30/06 13:49	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**50.5**	%	0.10	0.10	1		08/28/06 00:00		

Sample: HTPD-002 **Lab ID: 875433004** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**5510**	mg/kg	660	330	2500	08/30/06 00:00	09/01/06 13:08	7429-90-5	
Antimony	**0.28**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7440-36-0	
Arsenic	**19.4**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7440-38-2	
Barium	**11.7**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7440-39-3	
Beryllium	**1.2**	mg/kg	0.26	0.13	20	08/30/06 00:00	08/31/06 23:47	7440-41-7	
Boron	**2.0J**	mg/kg	2.6	1.3	20	08/30/06 00:00	08/31/06 23:47	7440-42-8	
Cadmium	ND	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7440-43-9	
Chromium	**64.8**	mg/kg	0.66	0.33	20	08/30/06 00:00	08/31/06 23:47	7440-47-3	
Cobalt	**3.7**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7440-48-4	
Copper	**4.8**	mg/kg	0.53	0.26	20	08/30/06 00:00	08/31/06 23:47	7440-50-8	
Iron	**210000**	mg/kg	8250	4120	2500	08/30/06 00:00	09/01/06 13:08	7439-89-6	

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Sample: HTPD-002 **Lab ID: 875433004** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid
Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lead	**9.1**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7439-92-1	
Lithium	**5.4**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7439-93-2	
Manganese	**367**	mg/kg	3.3	1.6	100	08/30/06 00:00	08/31/06 23:51	7439-96-5	
Molybdenum	**4.9**	mg/kg	0.13	0.066	20	08/30/06 00:00	08/31/06 23:47	7439-98-7	
Nickel	**24.4**	mg/kg	0.26	0.13	20	08/30/06 00:00	08/31/06 23:47	7440-02-0	
Selenium	ND	mg/kg	0.66	0.33	20	08/30/06 00:00	08/31/06 23:47	7782-49-2	
Silver	**0.28**	mg/kg	0.26	0.13	20	08/30/06 00:00	08/31/06 23:47	7440-22-4	B
Zinc	**9.6**	mg/kg	6.6	3.3	20	08/30/06 00:00	08/31/06 23:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.14**	mg/kg	0.021	0.011	1	08/29/06 00:00	08/30/06 13:50	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**43.5**	%	0.10	0.10	1		08/28/06 00:00		

Sample: DUPD-001 **Lab ID: 875433006** Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid
Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**11800**	mg/kg	1900	951	2500	08/30/06 00:00	09/01/06 12:47	7429-90-5	
Antimony	**0.27J**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7440-36-0	
Arsenic	**4.1**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7440-38-2	
Barium	**85.0**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7440-39-3	
Beryllium	ND	mg/kg	0.76	0.38	20	08/30/06 00:00	09/01/06 00:23	7440-41-7	
Boron	**11.9**	mg/kg	7.6	3.8	20	08/30/06 00:00	09/01/06 12:43	7440-42-8	
Cadmium	**0.37J**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7440-43-9	
Chromium	**16.7**	mg/kg	1.9	0.95	20	08/30/06 00:00	09/01/06 00:23	7440-47-3	
Cobalt	**3.8**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7440-48-4	
Copper	**9.8**	mg/kg	1.5	0.76	20	08/30/06 00:00	09/01/06 00:23	7440-50-8	
Iron	**18900**	mg/kg	951	476	100	08/30/06 00:00	09/01/06 00:27	7439-89-6	
Lead	**23.3**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7439-92-1	
Lithium	**6.4**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7439-93-2	
Manganese	**352**	mg/kg	1.9	0.95	20	08/30/06 00:00	09/01/06 00:23	7439-96-5	
Molybdenum	**1.1**	mg/kg	0.38	0.19	20	08/30/06 00:00	09/01/06 00:23	7439-98-7	
Nickel	**9.2**	mg/kg	0.76	0.38	20	08/30/06 00:00	09/01/06 00:23	7440-02-0	
Selenium	ND	mg/kg	1.9	0.95	20	08/30/06 00:00	09/01/06 00:23	7782-49-2	
Silver	**2.2**	mg/kg	0.76	0.38	20	08/30/06 00:00	09/01/06 00:23	7440-22-4	B
Zinc	**53.3**	mg/kg	19.0	9.5	20	08/30/06 00:00	09/01/06 00:23	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.13**	mg/kg	0.091	0.046	1	08/29/06 00:00	08/30/06 13:52	7439-97-6	

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ANALYTICAL RESULTS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

Sample: DUPD-001 Lab ID: 875433006 Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**80.1**	%	0.10	0.10	1		08/28/06 00:00		

Sample: WLDD-003 Lab ID: 875433008 Collected: 08/23/06 00:00 Received: 08/25/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**10900**	mg/kg	2220	1110	2500	08/30/06 00:00	09/01/06 12:56	7429-90-5	
Antimony	**0.30J**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7440-36-0	
Arsenic	**4.6**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7440-38-2	
Barium	**101**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7440-39-3	
Beryllium	ND	mg/kg	0.89	0.44	20	08/30/06 00:00	09/01/06 00:36	7440-41-7	
Boron	**16.4**	mg/kg	8.9	4.4	20	08/30/06 00:00	09/01/06 12:51	7440-42-8	
Cadmium	**0.43J**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7440-43-9	
Chromium	**18.9**	mg/kg	2.2	1.1	20	08/30/06 00:00	09/01/06 00:36	7440-47-3	
Cobalt	**4.6**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7440-48-4	
Copper	**11.2**	mg/kg	1.8	0.89	20	08/30/06 00:00	09/01/06 00:36	7440-50-8	
Iron	**21200**	mg/kg	1110	556	100	08/30/06 00:00	09/01/06 00:40	7439-89-6	
Lead	**26.1**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7439-92-1	
Lithium	**7.2**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7439-93-2	
Manganese	**397**	mg/kg	2.2	1.1	20	08/30/06 00:00	09/01/06 00:36	7439-96-5	
Molybdenum	**1.2**	mg/kg	0.44	0.22	20	08/30/06 00:00	09/01/06 00:36	7439-98-7	
Nickel	**10.3**	mg/kg	0.89	0.44	20	08/30/06 00:00	09/01/06 00:36	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	20	08/30/06 00:00	09/01/06 00:36	7782-49-2	
Silver	**0.76J**	mg/kg	0.89	0.44	20	08/30/06 00:00	09/01/06 00:36	7440-22-4	
Zinc	**60.6**	mg/kg	22.2	11.1	20	08/30/06 00:00	09/01/06 00:36	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.13**	mg/kg	0.074	0.037	1	08/29/06 00:00	08/30/06 13:53	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**82.3**	%	0.10	0.10	1		08/28/06 00:00		

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

QC Batch: MPRP/7047 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

METHOD BLANK: 253611
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 253612

Parameter	Units	1037460006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.8	27.4	2	30	

SAMPLE DUPLICATE: 253613

Parameter	Units	1037460010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.3	24.4	18	30	

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

QC Batch: MERP/1246 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

METHOD BLANK: 253810
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.020	

LABORATORY CONTROL SAMPLE: 253811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.52	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 253812 253813

Parameter	Units	1037241001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.036	.51	.53	0.56	0.60	103	105	80-120	8	20	

SAMPLE DUPLICATE: 253814

Parameter	Units	1037241001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.036	0.061	50	30	R1

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

QC Batch: MPRP/7080 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

METHOD BLANK: 254639
Associated Lab Samples: 875433002, 875433004, 875433006, 875433008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	mg/kg	0.059J	0.10	
Boron	mg/kg	1.9J	2.0	
Chromium	mg/kg	0.35J	0.50	
Beryllium	mg/kg	ND	0.20	
Arsenic	mg/kg	0.056J	0.10	
Aluminum	mg/kg	ND	4.0	
Iron	mg/kg	ND	50.0	
Manganese	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.10	
Nickel	mg/kg	ND	0.20	
Copper	mg/kg	ND	0.40	
Zinc	mg/kg	ND	5.0	
Selenium	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.10	
Silver	mg/kg	0.73	0.20	
Cadmium	mg/kg	ND	0.10	
Antimony	mg/kg	0.054J	0.10	
Barium	mg/kg	ND	0.10	
Lead	mg/kg	ND	0.10	

LABORATORY CONTROL SAMPLE: 254640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/kg	20	21.5	108	75-125	
Beryllium	mg/kg	20	21.3	106	75-125	
Boron	mg/kg	20	20.0	100	75-125	
Aluminum	mg/kg	20	22.2	111	75-125	
Chromium	mg/kg	20	22.7	114	75-125	
Iron	mg/kg	250	292	117	75-125	
Manganese	mg/kg	20	22.2	111	75-125	
Cobalt	mg/kg	20	22.4	112	75-125	
Nickel	mg/kg	20	21.8	109	75-125	
Copper	mg/kg	20	21.6	108	75-125	
Zinc	mg/kg	20	20.6	103	75-125	
Arsenic	mg/kg	20	21.2	106	75-125	
Selenium	mg/kg	40	40.7	102	75-125	
Molybdenum	mg/kg	20	22.4	112	75-125	
Silver	mg/kg	20	21.9	110	75-125	
Cadmium	mg/kg	20	21.5	107	75-125	
Antimony	mg/kg	20	22.2	111	75-125	
Barium	mg/kg	20	22.2	111	75-125	

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QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

LABORATORY CONTROL SAMPLE: 254640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	20	22.2	111	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 254641 254642

Parameter	Units	1037481001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/kg	19.0	20.4	22.1	46.2	41.7	133	103	75-125	10	20	1M
Beryllium	mg/kg	1.0	20.4	22.1	21.9	21.3	102	91	75-125	3	20	
Boron	mg/kg	5.0J	20.4	22.1	28.8	27.5	116	102	75-125	5	20	
Aluminum	mg/kg	21200	20.4	22.1	24800	19500	18000	-7430	75-125	24	20	1M,R1
Chromium	mg/kg	35.1	20.4	22.1	68.2	56.2	162	95	75-125	19	20	1M
Iron	mg/kg	39600	256	277	38200	30900	-524	-3140	75-125	21	20	1M,R1
Manganese	mg/kg	404	20.4	22.1	642	1070	1170	3000	75-125	50	20	1M,R1
Cobalt	mg/kg	9.5	20.4	22.1	27.8	30.3	90	94	75-125	9	20	
Nickel	mg/kg	25.8	20.4	22.1	48.9	48.2	113	101	75-125	1	20	
Copper	mg/kg	35.2	20.4	22.1	55.0	50.3	97	68	75-125	9	20	M3
Zinc	mg/kg	39.3	20.4	22.1	62.9	55.8	116	74	75-125	12	20	M3
Arsenic	mg/kg	2.1	20.4	22.1	16.5	16.4	70	64	75-125	.6	20	M3
Selenium	mg/kg	ND	40.8	44.3	26.5	27.3	65	62	75-125	3	20	M3
Molybdenum	mg/kg	0.23J	20.4	22.1	24.1	22.3	117	100	75-125	8	20	
Silver	mg/kg	0.32J	20.4	22.1	20.5	21.4	99	95	75-125	5	20	
Cadmium	mg/kg	ND	20.4	22.1	23.8	22.0	116	99	75-125	8	20	
Antimony	mg/kg	0.29	20.4	22.1	12.6	13.0	60	57	75-125	3	20	M3
Barium	mg/kg	104	20.4	22.1	173	158	334	242	75-125	9	20	1M
Lead	mg/kg	8.5	20.4	22.1	34.6	31.5	128	104	75-125	9	20	M3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 255110 255111

Parameter	Units	1037481001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/kg	19.0	20.4	20.4	38.3	40.5	95	105	75-125	5	20	2M
Beryllium	mg/kg	1.0	20.4	20.4	18.8	20.2	87	94	75-125	7	20	
Boron	mg/kg	5.0J	20.4	20.4	24.9	25.1	97	98	75-125	.7	20	
Aluminum	mg/kg	21200	20.4	20.4	16800	17800	-21200	-16500	75-125	5	20	1M
Chromium	mg/kg	35.1	20.4	20.4	52.3	55.2	84	98	75-125	5	20	
Iron	mg/kg	39600	256	256	30700	32200	-3470	-2900	75-125	5	20	1M
Manganese	mg/kg	404	20.4	20.4	423	438	93	162	75-125	3	20	1M
Cobalt	mg/kg	9.5	20.4	20.4	22.8	22.5	65	64	75-125	1	20	M3
Nickel	mg/kg	25.8	20.4	20.4	38.9	38.8	65	64	75-125	.2	20	M3
Copper	mg/kg	35.2	20.4	20.4	48.2	48.0	64	63	75-125	.3	20	M3
Zinc	mg/kg	39.3	20.4	20.4	55.4	52.2	79	63	75-125	6	20	M3
Arsenic	mg/kg	2.1	20.4	20.4	15.2	14.8	64	62	75-125	3	20	M3
Selenium	mg/kg	ND	40.8	40.8	25.4	24.8	62	61	75-125	2	20	M3
Molybdenum	mg/kg	0.23J	20.4	20.4	20.1	20.1	98	97	75-125	.4	20	
Silver	mg/kg	0.32J	20.4	20.4	17.6	17.4	85	84	75-125	.7	20	

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nelac

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 255110 255111

Parameter	Units	1037481001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/kg	ND	20.4	20.4	19.1	19.1	94	94	75-125	.1	20	
Antimony	mg/kg	0.29	20.4	20.4	19.2	19.4	92	94	75-125	1	20	
Barium	mg/kg	104	20.4	20.4	121	123	81	94	75-125	2	20	
Lead	mg/kg	8.5	20.4	20.4	27.9	27.2	95	91	75-125	2	20	

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALIFIERS

Project: 875433 FOTH & VAN DYKE
Pace Project No.: 1037410

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.
1M	Matrix spike recovery was outside laboratory control limits due to high concentration in parent sample.
2M	Spike performed post digestion.

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Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208
www.pacelabs.com

September 12, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
875433 Foth & Van Dyke; Green Bay, WI
Pace Project No. 06-4553

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on August 25, 2006 and logged in for analysis on August 28, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-4553
CLIENT: 875433 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0608-1664	875433-001	0608-1665	875433-003
0608-1666	875433-005	0608-1667	875433-007
0608-1668	875433-009		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 9/12/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-4553
Groundwater Characterization; 875433 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0608-1664	875433-001	(8/23/06)	09/08/06	1.92 ± 0.990	(1.28)
0608-1665	875433-003	(8/23/06)	09/08/06	0.124 ± 0.485	(1.18)
0608-1666	875433-005	(8/23/06)	09/08/06	0.039 ± 0.491	(1.24)
0608-1667	875433-007	(8/23/06)	09/08/06	-0.114 ± 0.390	(1.14)
0608-1668	875433-009	(8/23/06)	09/08/06	0.390 ± 0.519	(1.06)
0608-1669	Method Blank	(8/25/06)	09/07/06	0.212 ± 0.409	(0.909)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc (MDC)	
0608-1664	875433-001	(8/23/06)	09/08/06	2.53 ± 0.935	(1.34)
0608-1665	875433-003	(8/23/06)	09/08/06	1.77 ± 0.758	(1.19)
0608-1666	875433-005	(8/23/06)	09/08/06	1.45 ± 0.757	(1.34)
0608-1667	875433-007	(8/23/06)	09/08/06	1.33 ± 0.737	(1.33)
0608-1668	875433-009	(8/23/06)	09/08/06	-0.425 ± 0.538	(1.33)
0608-1669	Method Blank	(8/25/06)	09/07/06	-0.096 ± 0.506	(1.20)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

IRWO

Sending Region / Original Receipt Date:	Pace-WI / 8/24/06	Sending Project No:	875433
Receiving Region:	Walz Mill	Receiving Project No:	06-4553
State of Sample Origin:	WI	Date IRWO / Sub-COC Prepared:	8/24/06
Sending Project Manager:	TOD NOLTEMEYER	REQUESTED COMPLETION DATE:	9/7/06
Consolidated IRWO:	NO	Return Samples to Sending Region:	No
External Client:	FOTH&VAN DYKE	Was Completion Date pre-approved by receiving lab:	No
QC Deliverable Needed:	results only	Reportable Units Needed:	any
Work Type if not Analytical:	-	Report on a Wet Weight or Dry Weight Basis:	wet
Any Other Special Requirements: (All questions go to sending PM)	Report in pCi/L - low level.		

Test Requested	Quantity	Unit Price	Sub-Total 1	Test Requested	Quantity	Unit Price	Sub-Total 2
Gross Alpha & Beta	5	$ 60.00	$ 300.00				$ -
			$ -				$ -
			$ -				$ -
			$ -				$ -

Total = Sub-Total 1 + Sub-Total 2: $ 300.00

Receiving Region Department	GL Accounting Code	Totals from above	Revenue Allocation: Receiving Region (80%)	Revenue Allocation: Client Services Sending Region (20%)
Microbiology	17		$ -	$ -
Metals	20		$ -	$ -
Wet Chemistry	21		$ -	$ -
SV GCMS	30		$ -	$ -
SV GC & LC	31		$ -	$ -
V GC	33		$ -	$ -
V GCMS	34		$ -	$ -
Dioxin* (90/10 split)	35		$ -	$ -
Air	39		$ -	$ -
Other (Specify)	Rad	$ 300.00	$ 240.00	$ 60.00
Total			$ 240.00	$ 60.00

P = Poly
G = Glass
AG = Amber Glass

*Preservation Codes
A = None B = HCL C = H2SO4 D = HNO3 E = DI Water
F = Methanol G = NaOH H = Sodium Bisulfate I = Na2S2O3

Sub-COC

Bottle Preservative			A			
Bottle Type			500 ml PL			
Number of Bottles			1			
Analyses			Gross Alpha & Beta			
Client Sample ID	**Pace Lab Number**	**Collect Date/Time**	**Matrix**	**Method**		
HTPS-001E	875433-001	08/23/06	W		X	0608-1164
HTPS-002E	875433-003	08/23/06	W		X	65
DUPS-001	875433-005	08/23/06	W		X	66
WLDS-003E	875433-007	08/23/06	W		X	67
FBKS-001	875433-009	08/23/06	W		X	68
Method Blank						69

Relinquished By: Steve Dipstato Date/Time: 8/24/06 1600 Received By: Fed Ex Date/Time:

Relinquished By: Fed Ex Date/Time: 8/25/06 1050 Received By: [illegible] Date/Time:

Receipt Temperature =

Confirmation of Work Completed By Receiving PM: Date:

DISPOSITION of FORM: When work is completed, copy of Sub-COC/IRWO goes to ABM

GBC013a (07June2006)

000005

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875433-001	875433-002	875433-003	875433-004	875433-005	875433-006	875433-007	875433-008	875433-009
ALKALINITY, BICARB/CARB/TOTAL	B		B		B		B		B
ALUMINUM	M	M	M	M	M	M	M	M	M
ANTIMONY	M	M	M	M	M	M	M	M	M
ARSENIC	M	M	M	M	M	M	M	M	M
BARIUM	M	M	M	M	M	M	M	M	M
BERYLLIUM	M	M	M	M	M	M	M	M	M
BORON	M	M	M	M	M	M	M	M	M
BTEX	G		G		G		G		G
CADMIUM	M	M	M	M	M	M	M	M	M
CALCIUM	M		M		M		M		M
CHLORIDE	B		B		B		B		B
CHROMIUM	M	M	M	M	M	M	M	M	M
COBALT	M	M	M	M	M	M	M	M	M
COD	B		B		B		B		B
COPPER	M	M	M	M	M	M	M	M	M
FLUORIDE	B		B		B		B		B
HARDNESS	M		M		M		M		M
IRON	M	M	M	M	M	M	M	M	M
LEAD	M	M	M	M	M	M	M	M	M
LITHIUM	M	M	M	M	M	M	M	M	M
MAGNESIUM	M		M		M		M		M
MANGANESE	M	M	M	M	M	M	M	M	M
MERCURY		M		M		M		M	
MERCURY - LOW LEVEL			K		K		K		K
MOLYBDENUM	M	M	M	M	M	M	M	M	M
NICKEL	M	M	M	M	M	M	M	M	M
NITROGEN, AMMONIA	B		B		B		B		B
NITROGEN, NITRATE	B		B		B		B		B
NITROGEN, NITRITE	B		B		B		B		B
OIL & GREASE, TOTAL RECOVER - N	M		M		M		M		M
POTASSIUM	M		M		M		M		M
SAS	W		W		W		W		W
SELENIUM	M	M	M	M	M	M	M	M	M
SILVER	M	M	M	M	M	M	M	M	M
SODIUM	M		M		M		M		M
SOLIDS, TOTAL DISSOLVED	B		B		B		B		B
SOLIDS, TOTAL SUSPENDED	B		B		B		B		B
SULFATE	B		B		B		B		B
SULFIDE	B	C	B	C	B	C	B	C	B
TOC AS NPOC	K		K		K		K		K
TOC AS NPOC - DISSOLVED	K		K		K		K		K

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875433-001	875433-002	875433-003	875433-004	875433-005	875433-006	875433-007	875433-008	875433-009
TURBIDITY	B		B		B		B		B
ZINC	M	M	M	M	M	M	M	M	M

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 875433
Lab Section: METALS-K
QC Batch Number: 14011
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-091	MBMTK0956-091
MB2	MB2WMTK0956-091	MB2WMTK0956-091
MB3	MB3WMTK0956-091	MB3WMTK0956-091
IPR	IPRWMTK0956-091	IPRWMTK0956-091
OPR	OPRWMTK0956-091	OPRWMTK0956-091
MS	875488-002MS	875488-002MS
MS	875465-001MS	875465-001MS
MS	875420-001MS	875420-001MS
MSD	875488-002MSD	875488-002MSD
MSD	875465-001MSD	875465-001MSD
MSD	875420-001MSD	875420-001MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
HTPS-002E	875433-003	DUPS-001	875433-005
WLDS-003E	875433-007	FBKS-001	875433-009

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2134	0.1827	0.1827	5	4.455	89.1	4.464	89.3	79	121	875420-001	3.37	10.0	12.3	89.3		10.0	12.7	93.4		3.3		75	125	24
Mercury - Low Level											875465-001	1.8	5.0	5.6	75.2		5.0	6.3	90.0		12.4		75	125	24
Mercury - Low Level											875488-002	142.7	100.0	234.1	91.4		100.0	231.3	88.6		1.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/12/2006
QC Batch Number: 14011

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: GAS
QC Batch Number: 13826
Prep Method: SW846 5030B
Analytical Method: SW846 M8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG1988-20MB	GG1988-20MB
LCS	GG1988-20MBLCS	GG1988-20MBLCS
LCSD	GG1988-20MBLCSD	GG1988-20MBLCSD
MS	875052-018MS	875052-018MS
MSD	875052-018MSD	875052-018MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	21.3	106		20.0	21	105		1.2		85	115	20	875052-018		2.63	20.0	24.3	108		20.0	24.4	109		0.5		80	120	20
Ethylbenzene	<	0.4	20.0	21.3	107		20.0	21	105		1.6		85	115	20	875052-018	<	0.4	20.0	21.8	109		20.0	22.1	111		1.5		80	120	20
Toluene	<	0.36	20.0	21.3	106		20.0	21	105		1.2		85	115	20	875052-018	<	0.36	20.0	21.9	109		20.0	22.2	111		1.3		80	120	20
Xylene, o	<	0.36	20.0	20.8	104		20.0	20.6	103		1.0		85	115	20	875052-018	<	0.36	20.0	20.9	105		20.0	21.3	107		1.8		80	120	20
Xylenes, m + p	<	0.74	40.0	42	105		40.0	41.4	103		1.4		85	115	20	875052-018	<	0.74	40.0	42.5	106		40.0	43.1	108		1.4		78	124	20
a,a,a-Trifluorotoluene		99%	—	—	99		—	—	99		—		80	124	—	875052-018		99%	—	—	98		—	—	99		—		80	124	—

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13826

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13832
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1990-012MB	WCG1990-012MB
LCS	WCG1990-012MBLCS	WCG1990-012MBLCS
DUP	875431-001DUP	875431-001DUP
DUP	875402-002DUP	875402-002DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	188.0	188	100.0			—	—	—		—		80	120	10	875402-002		218.0	—	—	—		—	—	—		—		—	—	—
Total Suspended Solids	<	0.24	188.0	188	100.0			—	—	—		—		80	120	10	875431-001		92.00	—	—	—		—	—	—		—		—	—	—

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13832

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13833
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1918-088MB	WCG1918-088MB
LCS	WCG1918-088MBLCS	WCG1918-088MBLCS
MS	HTPS-001EMS	875433-001MS
MSD	HTPS-001EMSD	875433-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride		J	2.8	20.0	18.1	90.6		---	---	---		---		90	110	20	875433-001		3.10	20.0	18.1	74.8	N	20.0	18.1	74.8	N	0.1		90	110	20
Fluoride		<	0.096	2.0	1.8	92.5		---	---	---		---		90	110	20	875433-001		0.38	2.0	2.1	85.5	N	2.0	2.1	87.5	N	1.9		90	110	20
Nitrogen, Nitrate		<	0.088	1.6	1.5	93.8		---	---	---		---		90	110	20	875433-001	<	0.088	1.6	1.5	93.1		1.6	1.5	91.9		1.4		90	110	20
Nitrogen, Nitrite		<	0.04	0.80	0.83	103.8		---	---	---		---		90	110	20	875433-001	<	0.04	0.80	0.83	103.8		0.80	0.83	103.8		0.0		90	110	20
Sulfate		<	0.77	16.0	14.9	93.3		---	---	---		---		90	110	20	875433-001		8.48	16.0	22.4	86.9	N	16.0	22.5	87.6	N	0.5		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13833

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13850
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1962-030MB	WCG1962-030MB
LCS	WCG1962-030MBLCS	WCG1962-030MBLCS
DUP	HTPS-001EDUP	875433-001DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	919.0	862	93.8		---	---	---		---		80	120	10	875433-001	108.0	--	--	--		--	--	--		--		--	--	--

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13850

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13861
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1918-089MB	WCG1918-089MB
LCS	WCG1918-089MBLCS	WCG1918-089MBLCS
MS	875451-001MS	875451-001MS
MSD	875451-001MSD	875451-001MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	< 0.82	20.0	18.9	94.7		---	---	---		---		90	110	20	875451-001	4.54	20.0	20.2	78.2	N	20.0	20.2	78.2	N	0.0		90	110	20
Fluoride	< 0.096	2.0	2	98.0		---	---	---		---		90	110	20	875451-001	0.42	2.0	2.1	84.5	N	2.0	2.1	85.0	N	0.5		90	110	20
Nitrogen, Nitrate	< 0.088	1.6	1.6	99.4		---	---	---		---		90	110	20	875451-001	0.22	1.6	1.6	85.0	N	1.6	1.6	86.2	N	1.3		90	110	20
Nitrogen, Nitrite	< 0.04	0.80	0.88	110.0		---	---	---		---		90	110	20	875451-001	< 0.04	0.80	0.87	108.8		0.80	0.88	110.0		1.1		90	110	20
Sulfate	< 0.77	16.0	15.7	98.4		---	---	---		---		90	110	20	875451-001	13.8	16.0	28.1	89.3	N	16.0	28.1	89.3	N	0.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13861

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13863
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-022MB	WCG1919-022MB
LCS	WCG1919-022MBLCS	WCG1919-022MBLCS
LCSD	WCG1919-022MBLCSD	WCG1919-022MBLCSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfide	< 2.5	50.4	43.6	86.5		50.4	47.6	94.4		8.8		80	120	20	---		---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13863

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM-K
QC Batch Number: 13904
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-077MB	WCK0961-077MB
LCS	WCK0961-077MBLCS	WCK0961-077MBLCS
MS	HTPS-001EMS	875433-001MS
MS	875246-001MS	875246-001MS
MSD	HTPS-001EMSD	875433-001MSD
MSD	875246-001MSD	875246-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	95.8	95.8		---	---	---		---		80	120	20	875246-001		4.305	100.0	104.5	100.2		100.0	102.5	98.2		1.9		80	120	20
TOC as NPOC	<	0.72	100.0	95.8	95.8		---	---	---		---		80	120	20	875433-001		10.62	100.0	110.4	99.8		100.0	111.2	100.6		0.7		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13904

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13922
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1928-037MB	WCG1928-037MB
LCS	WCG1928-037MBLCS	WCG1928-037MBLCS
MS	875444-004MS	875444-004MS
MS	875444-001MS	875444-001MS
MSD	875444-004MSD	875444-004MSD
MSD	875444-001MSD	875444-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
COD	< 9.7	400.0	405.9	101.5		---	—	---		—		90	110	10	875444-001	< 10	166.7	173.7	104.2		166.7	170.3	102.2		2.0		90	110	10
COD	< 9.7	400.0	405.9	101.5		---	—	---		—		90	110	10	875444-004	< 10	166.7	173.7	104.2		166.7	170.3	102.2		2.0		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13922

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 13934
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-023MB	WCG1919-023MB
LCS	WCG1919-023MBLCS	WCG1919-023MBLCS
MS	HTPS-001EMS	875433-001MS
MSD	HTPS-001EMSD	875433-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Bicarbonate Alkalinity	< 3.7	12.60	12.8	101.9		—	—	—		—		80	120	20	875433-001	77.04	100.0	177.6	100.6		100.0	179.8	102.7		1.2		80	120	20
Carbonate Alkalinity	< 3.7	0	—	—		—	—	—		—		—	—	—	875433-001	< 3.7	—	—	—		—	—	—		—		—	—	—
Total Alkalinity	< 3.7	12.60	12.8	101.9		—	—	—		—		80	120	20	875433-001	77.04	100.0	177.6	100.6		100.0	179.8	102.7		1.2		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13934

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: METALS-K
QC Batch Number: 14011
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-091	MBMTK0956-091
IPR	IPRWMTK0956-091	IPRWMTK0956-091
OPR	OPRWMTK0956-091	OPRWMTK0956-091
MS	875488-002MS	875488-002MS
MS	875465-001MS	875465-001MS
MS	875420-001MS	875420-001MS
MSD	875488-002MSD	875488-002MSD
MSD	875465-001MSD	875465-001MSD
MSD	875420-001MSD	875420-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB	DUPS-001	875433-005	MB
WLDS-003E	875433-007	MB	FBKS-001	875433-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Mercury - Low Level	0.2134	0	—	---		---	---	---		---		---	---	---	875420-001	3.37	10.0	12.3	89.3		10.0	12.7	93.4		3.3		75	125	24
Mercury - Low Level	0.2134	0	—	---		---	---	---		---		---	---	---	875465-001	1.8	5.0	5.6	75.2		5.0	6.3	90.0		12.4		75	125	24
Mercury - Low Level	0.2134	0	—	---		---	—	—		---		---	---	---	875488-002	142.7	100.0	234.1	91.4		100.0	231.3	88.6		1.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14011

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875433
Lab Section: WETCHEM
QC Batch Number: 14013
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1946-052MB	WCG1946-052MB
LCS	WCG1946-052MBLCS	WCG1946-052MBLCS
MS	875676-001MS	875676-001MS
MS	FBKS-001MS	875433-009MS
MSD	875676-001MSD	875676-001MSD
MSD	FBKS-001MSD	875433-009MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	< 0.2	10.0	10.1	101.4		---	---	---		---		90	110	20	875433-009	0.371	10.0	10.2	97.9		10.0	9.7	93.0		4.9		90	110	20
Nitrogen, Ammonia	< 0.2	10.0	10.1	101.4		---	---	---		---		90	110	20	875676-001	11.7	10.0	22.2	104.7		10.0	21.8	101.2		1.6		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14013

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM-K
QC Batch Number: 14076
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-088MB	WCK0961-088MB
LCS	WCK0961-088MBLCS	WCK0961-088MBLCS
MS	875470-005MS	875470-005MS
MS	875183-001MS	875183-001MS
MSD	875470-005MSD	875470-005MSD
MSD	875183-001MSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC		<	0.72	100.0	99.7	99.7		—	—	—		—		80	120	20	875183-001		7.836	100.0	108.1	100.3		100.0	107	99.2		1.1		80	120	20
TOC as NPOC		<	0.72	100.0	99.7	99.7		—	—	—		—		80	120	20	875470-005	<	0.72	100.0	101.5	101.5		100.0	102.9	102.9		1.4		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14076

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875433
Lab Section: WETCHEM-K
QC Batch Number: 14085
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-089MB	WCK0961-089MB
LCS	WCK0961-089MBLCS	WCK0961-089MBLCS
MS	HTPS-002EMS	875433-003MS
MSD	HTPS-002EMSD	875433-003MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	875433-001	MB
DUPS-001	875433-005	MB
FBKS-001	875433-009	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	875433-003	MB
WLDS-003E	875433-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	< 0.72	100.0	100.9	100.9		—	—	—		—		80	120	20	875433-003	9.758	100.0	113.7	103.9		100.0	117.1	107.3		3.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14085

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 875433

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 2.5°c, 4.5°c Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 8/24/06 – LS

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. the analyses were listed on a separate sheet.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO3, NO2
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☑No ☐N/A	10.-001; the LLHg bottle was received with the cap
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. -004; the COC says HTPD-001, but the samples
-Includes date/time/ID/Analysis Matrix: W		say HTPD-002. The collection times, 8/23/06
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. at 13:30, match each other.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	-LS 8/24/06
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 10.) broken. Per Tod, the sample was cancelled and thrown away.
-LS 8/24/06

Project Manager Review: [signature] for TN **Date:** 10/13/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

ALLC003rev.2, 10June2005

Batch No. 875183

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

October 12, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 875183 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alexander for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0992756

Section A Required Client Information:

Company: North Jackson Co
Address: Hawley Hills Drive, Marquette MI 49855
Email To: don@northjacksonco.com
Phone: 906 225-6784 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Steve Donohue
Copy To: Foth
Purchase Order No.:
Project Name: Humboldt
Project Number:

Section C Invoice Information:

Attention:
Company Name: Foth
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐GA ☐IL ☐IN ☑MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved 1-500ml poly, 1-250ml poly, 1-500ml glass	H_2SO_4 1-250ml poly, 2-125ml amber	HNO_3 1-500ml poly	HCl 1-Amber 2-40ml	NaOH	$Na_2S_2O_3$	Methanol	Other 1-250ml poly	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	LKLS-001E	WT	G	8/16/06	1445			21.6	16	X	X	X	X				X		001
2	LKLS-001H	WT	G		1500			12.8	16	X	X	X	X				X		002
3	LKLD-001	SL	G		1505				2	X	1-4oz poly, 1-4oz amber								003
4	LKLS-002E	WT	G		1550			22.2	16	X	X	X	X				X		004
5	LKLS-002H	WT	G		1545			17.6	16	X	X	X	X				X		005
6	LKLD-002	SL	G		1605				2	X	1-4oz poly, 1-4oz amber								006
7																			
8																			
9																			
10																			
11																			
12																			

Filtered (Y/N)
Requested Analysis:

875183

Additional Comments:
DOC field filter

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION	Received on Ice	Custody Sealed Cooler	Samples Intact
Andrew Maracini / North Jackson Co	8/16	1730	Fed EX				Y/N	Y/N	Y/N
Fed EX	8/17/06	11:10	Lori Stevens	8/17/06	11:10	1.0	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

Temp in °C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ANDREW MARACINI Richard R[illegible]
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 875183

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
875183-001	LKLS-001E	WATER	08/16/06
875183-002	LKLS-001H	WATER	08/16/06
875183-003	LKLD-001	SOIL	08/16/06
875183-004	LKLS-002E	WATER	08/16/06
875183-005	LKLS-002H	WATER	08/16/06
875183-006	LKLD-002	SOIL	08/16/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

for Tod N

Approval Signature

10/13/06

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875183

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.689		0.169	0.500	1	ng/L		08/24/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	30		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	2.9	B	0.82	5.0	1	mg/L	N	08/21/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		08/22/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.0		0.77	4.0	1	mg/L	N	08/17/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/21/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.8		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.4		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
Total Alkalinity	30		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	40		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.0	B	0.30	1.2	1	mg/L		08/19/06	EPA 160.2	EPA 160.2
Turbidity	1.8		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875183

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-001

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	100		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	103		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	112		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875183

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-001H

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.85		0.169	0.500	1	ng/L		08/24/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	36		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	2.9	B	0.82	5.0	1	mg/L		08/21/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.36	B	0.20	0.50	1	mg/L		08/22/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.0	B	0.77	4.0	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/21/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.5		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.3		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
Total Alkalinity	36		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	68		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	5.6		0.48	2.0	1	mg/L		08/19/06	EPA 160.2	EPA 160.2
Turbidity	16		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875183

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-001H

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-002

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	101		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	103		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	113		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical
Services, Inc.

Analytical Report Number: 875183

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLD-001

Matrix Type : SOIL
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	860	4.0	13	1	mg/kg		08/21/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875183

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.775		0.169	0.500	1	ng/L		08/24/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	41		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		08/21/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		08/22/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.0		0.77	4.0	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/21/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.2		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.3		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
Total Alkalinity	41		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	58		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.0	B	0.48	2.0	1	mg/L		08/19/06	EPA 160.2	EPA 160.2
Turbidity	1.4		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875183

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-004

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	103		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	105		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	114		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875183

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-002H

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	2.21		0.169	0.500	1	ng/L		08/24/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	41		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	2.9	B	0.82	5.0	1	mg/L		08/21/06	EPA 300.0	EPA 300.0
COD	44		9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.65		0.20	0.50	1	mg/L		08/22/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	2.9	B	0.77	4.0	1	mg/L		08/17/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/21/06	EPA 376.1	EPA 376.1
TOC as NPOC	9.7		0.72	2.0	1	mg/L		09/07/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.3		0.72	2.0	1	mg/L		08/30/06	EPA 415.2	EPA 415.2
Total Alkalinity	47		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	80		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	11		0.95	4.0	1	mg/L		08/19/06	EPA 160.2	EPA 160.2
Turbidity	11		0.44	1.0	1	NTU	*	08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical
Services, Inc.

Analytical Report Number: 875183

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLS-002H

Matrix Type : WATER
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-005

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	104		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	113		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875183

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : LKLD-002

Matrix Type : SOIL
Collection Date : 08/16/06
Report Date : 10/12/06
Lab Sample Number : 875183-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	1300	4.0	13	1	mg/kg		08/21/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
875183-	W-COD-W	All Samples	A - Analyte is detected in the method blank at a concentration of 12 mg/L.
875183-001	W-TDS-W	LKLS-001E	* - Duplicate analyses not within control limits.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

October 11, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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Phone: (612)607-1700
Fax: (612)607-6444

SAMPLE SUMMARY

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Lab ID	Sample ID	Matrix	Date Collected	Date Received
875183001	LKLS-001E	Water	08/16/06 00:00	08/18/06 09:05
875183002	LKLS-001H	Water	08/16/06 00:00	08/18/06 09:05
875183003	LKLD-001	Solid	08/16/06 00:00	08/18/06 09:05
875183004	LKLS-002E	Water	08/16/06 00:00	08/18/06 09:05
875183005	LKLS-002H	Water	08/16/06 00:00	08/18/06 09:05
875183006	LKLD-002	Solid	08/16/06 00:00	08/18/06 09:05

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SAMPLE ANALYTE COUNT

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Lab ID	Sample ID	Method	Analytes Reported
875183001	LKLS-001E	EPA 1664 TPH	1
		EPA 6020	24
875183002	LKLS-001H	EPA 1664 TPH	1
		EPA 6020	24
875183003	LKLD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875183004	LKLS-002E	EPA 1664 TPH	1
		EPA 6020	24
875183005	LKLS-002H	EPA 1664 TPH	1
		EPA 6020	24
875183006	LKLD-002	% Moisture	1
		EPA 6020	19
		EPA 7471	1

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Fax: (612)607-6444

ANALYTICAL RESULTS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Sample: LKLS-001E Lab ID: 875183001 Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**14.3**	ug/L	1.6	0.49	1	08/21/06 00:00	08/25/06 00:13	7429-90-5	
Antimony	**0.044J**	ug/L	0.13	0.039	1	08/21/06 00:00	08/25/06 00:13	7440-36-0	
Arsenic	**0.61**	ug/L	0.12	0.035	1	08/21/06 00:00	08/25/06 00:13	7440-38-2	
Barium	**2.5**	ug/L	0.11	0.033	1	08/21/06 00:00	08/25/06 00:13	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 00:13	7440-41-7	
Boron	**12.7**	ug/L	0.57	0.17	1	08/21/06 00:00	08/25/06 00:13	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 00:13	7440-43-9	
Calcium	**7440**	ug/L	30.0	9.0	5	08/21/06 00:00	08/25/06 00:17	7440-70-2	
Chromium	**1.1**	ug/L	0.30	0.091	1	08/21/06 00:00	08/25/06 00:13	7440-47-3	
Cobalt	**0.11**	ug/L	0.029	0.0087	1	08/21/06 00:00	08/25/06 00:13	7440-48-4	
Copper	**0.39**	ug/L	0.087	0.026	1	08/21/06 00:00	08/25/06 00:13	7440-50-8	
Iron	**377**	ug/L	21.0	6.3	1	08/21/06 00:00	08/25/06 00:13	7439-89-6	
Lead	ND	ug/L	0.10	0.030	1	08/21/06 00:00	08/25/06 00:13	7439-92-1	
Lithium	**1.2**	ug/L	0.047	0.014	1	08/21/06 00:00	08/25/06 00:13	7439-93-2	
Magnesium	**3250**	ug/L	2.6	0.76	2	08/21/06 00:00	08/25/06 12:35	7439-95-4	
Manganese	**23.3**	ug/L	0.16	0.047	1	08/21/06 00:00	08/25/06 00:13	7439-96-5	
Molybdenum	**0.75**	ug/L	0.11	0.034	1	08/21/06 00:00	08/25/06 00:13	7439-98-7	
Nickel	**1.6**	ug/L	0.28	0.086	2	08/21/06 00:00	08/25/06 12:35	7440-02-0	
Potassium	**1070**	ug/L	30.0	9.1	1	08/21/06 00:00	08/25/06 00:13	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/21/06 00:00	08/25/06 00:13	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 00:13	7440-22-4	
Sodium	**1030**	ug/L	11.0	3.4	1	08/21/06 00:00	08/25/06 00:13	7440-23-5	
Total Hardness by 2340B	**32000**	ug/L	590	178	5	08/21/06 00:00	08/25/06 00:17		
Zinc	**2.6**	ug/L	1.0	0.30	1	08/21/06 00:00	08/25/06 00:13	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		08/23/06 07:13		

Sample: LKLS-001H Lab ID: 875183002 Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**28.5**	ug/L	1.6	0.49	1	08/21/06 00:00	08/25/06 12:40	7429-90-5	
Antimony	**0.071J**	ug/L	0.13	0.039	1	08/21/06 00:00	08/25/06 12:40	7440-36-0	
Arsenic	**1.4**	ug/L	0.12	0.035	1	08/21/06 00:00	08/25/06 12:40	7440-38-2	
Barium	**14.6**	ug/L	0.11	0.033	1	08/21/06 00:00	08/25/06 12:40	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 12:40	7440-41-7	
Boron	**11.7**	ug/L	0.57	0.17	1	08/21/06 00:00	08/25/06 12:40	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 12:40	7440-43-9	
Calcium	**8860**	ug/L	30.0	9.0	5	08/21/06 00:00	08/25/06 00:26	7440-70-2	
Chromium	**0.21J**	ug/L	0.30	0.091	1	08/21/06 00:00	08/25/06 12:40	7440-47-3	
Cobalt	**0.40**	ug/L	0.029	0.0087	1	08/21/06 00:00	08/25/06 12:40	7440-48-4	
Copper	**0.43**	ug/L	0.087	0.026	1	08/21/06 00:00	08/25/06 12:40	7440-50-8	

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ANALYTICAL RESULTS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Sample: LKLS-001H **Lab ID: 875183002** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**2170**	ug/L	21.0	6.3	1	08/21/06 00:00	08/25/06 12:40	7439-89-6	
Lead	**0.22**	ug/L	0.10	0.030	1	08/21/06 00:00	08/25/06 12:40	7439-92-1	
Lithium	**1.0**	ug/L	0.047	0.014	1	08/21/06 00:00	08/25/06 12:40	7439-93-2	
Magnesium	**3100**	ug/L	6.5	1.9	5	08/21/06 00:00	08/25/06 00:26	7439-95-4	
Manganese	**2140**	ug/L	8.0	2.4	50	08/21/06 00:00	08/25/06 12:44	7439-96-5	
Molybdenum	**1.3**	ug/L	0.11	0.034	1	08/21/06 00:00	08/25/06 12:40	7439-98-7	
Nickel	**2.9**	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 12:40	7440-02-0	
Potassium	**1240**	ug/L	30.0	9.1	1	08/21/06 00:00	08/25/06 12:40	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/21/06 00:00	08/25/06 12:40	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 12:40	7440-22-4	
Sodium	**893**	ug/L	11.0	3.4	1	08/21/06 00:00	08/25/06 12:40	7440-23-5	
Total Hardness by 2340B	**34900**	ug/L	590	178	5	08/21/06 00:00	08/25/06 00:26		
Zinc	**2.5**	ug/L	1.0	0.30	1	08/21/06 00:00	08/25/06 12:40	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		08/23/06 07:13		

Sample: LKLD-001 **Lab ID: 875183003** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**17200**	mg/kg	1190	596	2500	08/25/06 00:00	08/30/06 15:26	7429-90-5	
Antimony	**0.97**	mg/kg	0.24	0.12	20	08/25/06 00:00	08/28/06 20:35	7440-36-0	
Arsenic	**16.0**	mg/kg	1.2	0.60	100	08/25/06 00:00	08/28/06 20:40	7440-38-2	
Barium	**74.2**	mg/kg	0.24	0.12	20	08/25/06 00:00	08/28/06 20:35	7440-39-3	
Beryllium	**4.7**	mg/kg	0.48	0.24	20	08/25/06 00:00	08/28/06 20:35	7440-41-7	
Boron	**13.7**	mg/kg	4.8	2.4	20	08/25/06 00:00	08/28/06 20:35	7440-42-8	
Cadmium	ND	mg/kg	0.24	0.12	20	08/25/06 00:00	08/28/06 20:35	7440-43-9	
Chromium	**30.2**	mg/kg	1.2	0.60	20	08/25/06 00:00	08/28/06 20:35	7440-47-3	
Cobalt	**15.4**	mg/kg	1.2	0.60	100	08/25/06 00:00	08/28/06 20:40	7440-48-4	
Copper	**42.9**	mg/kg	4.8	2.4	100	08/25/06 00:00	08/28/06 20:40	7440-50-8	
Iron	**116000**	mg/kg	2980	1490	500	08/25/06 00:00	08/28/06 20:44	7439-89-6	
Lead	**17.9**	mg/kg	0.24	0.12	20	08/25/06 00:00	08/28/06 20:35	7439-92-1	
Lithium	**29.5**	mg/kg	0.24	0.12	20	08/25/06 00:00	08/31/06 15:51	7439-93-2	
Manganese	**1190**	mg/kg	6.0	3.0	100	08/25/06 00:00	08/28/06 20:40	7439-96-5	
Molybdenum	**7.1**	mg/kg	0.24	0.12	20	08/25/06 00:00	08/28/06 20:35	7439-98-7	
Nickel	**59.5**	mg/kg	2.4	1.2	100	08/25/06 00:00	08/28/06 20:40	7440-02-0	
Selenium	ND	mg/kg	6.0	3.0	100	08/25/06 00:00	08/28/06 20:40	7782-49-2	D3
Silver	**2.4**	mg/kg	0.48	0.24	20	08/25/06 00:00	08/31/06 15:51	7440-22-4	B
Zinc	**46.4J**	mg/kg	59.6	29.8	100	08/25/06 00:00	08/28/06 20:40	7440-66-6	

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ANALYTICAL RESULTS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Sample: LKLD-001 **Lab ID: 875183003** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.34**	mg/kg	0.037	0.019	1	08/18/06 00:00	08/22/06 15:12	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**58.9**	%	0.10	0.10	1		08/18/06 00:00		

Sample: LKLS-002E **Lab ID: 875183004** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**7.1**	ug/L	1.6	0.49	1	08/21/06 00:00	08/25/06 13:21	7429-90-5	
Antimony	**0.045J**	ug/L	0.13	0.039	1	08/21/06 00:00	08/25/06 13:21	7440-36-0	
Arsenic	**0.62**	ug/L	0.12	0.035	1	08/21/06 00:00	08/25/06 13:21	7440-38-2	
Barium	**2.4**	ug/L	0.11	0.033	1	08/21/06 00:00	08/25/06 13:21	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 13:21	7440-41-7	
Boron	**12.3**	ug/L	0.57	0.17	1	08/21/06 00:00	08/25/06 13:21	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 13:21	7440-43-9	
Calcium	**7940**	ug/L	30.0	9.0	5	08/21/06 00:00	08/25/06 02:27	7440-70-2	
Chromium	**0.19J**	ug/L	0.30	0.091	1	08/21/06 00:00	08/25/06 13:21	7440-47-3	
Cobalt	**0.059**	ug/L	0.029	0.0087	1	08/21/06 00:00	08/25/06 13:21	7440-48-4	
Copper	**0.39**	ug/L	0.087	0.026	1	08/21/06 00:00	08/25/06 13:21	7440-50-8	
Iron	**360**	ug/L	21.0	6.3	1	08/21/06 00:00	08/25/06 13:21	7439-89-6	
Lead	**0.12**	ug/L	0.10	0.030	1	08/21/06 00:00	08/25/06 13:21	7439-92-1	
Lithium	**1.0**	ug/L	0.047	0.014	1	08/21/06 00:00	08/25/06 13:21	7439-93-2	
Magnesium	**3250**	ug/L	6.5	1.9	5	08/21/06 00:00	08/25/06 02:27	7439-95-4	
Manganese	**21.2**	ug/L	0.16	0.047	1	08/21/06 00:00	08/25/06 13:21	7439-96-5	
Molybdenum	**0.74**	ug/L	0.11	0.034	1	08/21/06 00:00	08/25/06 13:21	7439-98-7	
Nickel	**1.1**	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 13:21	7440-02-0	
Potassium	**1090**	ug/L	30.0	9.1	1	08/21/06 00:00	08/25/06 13:21	7440-09-7	
Selenium	**0.17J**	ug/L	0.40	0.12	1	08/21/06 00:00	08/25/06 13:21	7782-49-2	
Silver	**0.048J**	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 13:21	7440-22-4	
Sodium	**904**	ug/L	11.0	3.4	1	08/21/06 00:00	08/25/06 13:21	7440-23-5	
Total Hardness by 2340B	**33200**	ug/L	590	178	5	08/21/06 00:00	08/25/06 02:27		
Zinc	**2.0**	ug/L	1.0	0.30	1	08/21/06 00:00	08/25/06 13:21	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		08/23/06 07:13		

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ANALYTICAL RESULTS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Sample: LKLS-002H **Lab ID: 875183005** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**37.4**	ug/L	1.6	0.49	1	08/21/06 00:00	08/25/06 13:26	7429-90-5	
Antimony	**0.039J**	ug/L	0.13	0.039	1	08/21/06 00:00	08/25/06 13:26	7440-36-0	
Arsenic	**3.8**	ug/L	0.12	0.035	1	08/21/06 00:00	08/25/06 13:26	7440-38-2	
Barium	**22.0**	ug/L	0.11	0.033	1	08/21/06 00:00	08/25/06 13:26	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 13:26	7440-41-7	
Boron	**11.5**	ug/L	0.57	0.17	1	08/21/06 00:00	08/25/06 13:26	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/21/06 00:00	08/25/06 13:26	7440-43-9	
Calcium	**9880**	ug/L	30.0	9.0	5	08/21/06 00:00	08/25/06 02:40	7440-70-2	
Chromium	**0.30**	ug/L	0.30	0.091	1	08/21/06 00:00	08/25/06 13:26	7440-47-3	
Cobalt	**0.47**	ug/L	0.029	0.0087	1	08/21/06 00:00	08/25/06 13:26	7440-48-4	
Copper	**0.51**	ug/L	0.087	0.026	1	08/21/06 00:00	08/25/06 13:26	7440-50-8	
Iron	**6650**	ug/L	105	31.5	5	08/21/06 00:00	08/25/06 02:40	7439-89-6	
Lead	**0.24**	ug/L	0.10	0.030	1	08/21/06 00:00	08/25/06 13:26	7439-92-1	
Lithium	**1.2**	ug/L	0.047	0.014	1	08/21/06 00:00	08/25/06 13:26	7439-93-2	
Magnesium	**3260**	ug/L	6.5	1.9	5	08/21/06 00:00	08/25/06 02:40	7439-95-4	
Manganese	**2400**	ug/L	8.0	2.4	50	08/21/06 00:00	08/25/06 02:44	7439-96-5	
Molybdenum	**2.0**	ug/L	0.11	0.034	1	08/21/06 00:00	08/25/06 13:26	7439-98-7	
Nickel	**2.7**	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 13:26	7440-02-0	
Potassium	**1300**	ug/L	30.0	9.1	1	08/21/06 00:00	08/25/06 13:26	7440-09-7	
Selenium	**0.21J**	ug/L	0.40	0.12	1	08/21/06 00:00	08/25/06 13:26	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/21/06 00:00	08/25/06 13:26	7440-22-4	
Sodium	**1010**	ug/L	11.0	3.4	1	08/21/06 00:00	08/25/06 13:26	7440-23-5	
Total Hardness by 2340B	**38100**	ug/L	590	178	5	08/21/06 00:00	08/25/06 02:40		
Zinc	**4.6**	ug/L	1.0	0.30	1	08/21/06 00:00	08/25/06 13:26	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**7.3**	mg/L	5.1	2.4	1		08/23/06 07:13		

Sample: LKLD-002 **Lab ID: 875183006** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**12600**	mg/kg	306	153	500	08/25/06 00:00	08/28/06 20:56	7429-90-5	
Antimony	**0.88**	mg/kg	0.31	0.15	20	08/25/06 00:00	08/28/06 20:48	7440-36-0	
Arsenic	**33.4**	mg/kg	1.5	0.77	100	08/25/06 00:00	08/28/06 20:52	7440-38-2	
Barium	**65.0**	mg/kg	0.31	0.15	20	08/25/06 00:00	08/28/06 20:48	7440-39-3	
Beryllium	**4.1**	mg/kg	0.61	0.31	20	08/25/06 00:00	08/28/06 20:48	7440-41-7	
Boron	**15.0**	mg/kg	6.1	3.1	20	08/25/06 00:00	08/28/06 20:48	7440-42-8	
Cadmium	ND	mg/kg	0.31	0.15	20	08/25/06 00:00	08/28/06 20:48	7440-43-9	
Chromium	**30.4**	mg/kg	1.5	0.77	20	08/25/06 00:00	08/28/06 20:48	7440-47-3	
Cobalt	**10.8**	mg/kg	1.5	0.77	100	08/25/06 00:00	08/28/06 20:52	7440-48-4	
Copper	**23.9**	mg/kg	6.1	3.1	100	08/25/06 00:00	08/28/06 20:52	7440-50-8	

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ANALYTICAL RESULTS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

Sample: LKLD-002 **Lab ID: 875183006** Collected: 08/16/06 00:00 Received: 08/18/06 09:05 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**101000**	mg/kg	3830	1910	500	08/25/06 00:00	08/28/06 20:56	7439-89-6	
Lead	**28.8**	mg/kg	0.31	0.15	20	08/25/06 00:00	08/28/06 20:48	7439-92-1	
Lithium	**20.7**	mg/kg	0.31	0.15	20	08/25/06 00:00	08/31/06 15:55	7439-93-2	
Manganese	**1260**	mg/kg	7.7	3.8	100	08/25/06 00:00	08/28/06 20:52	7439-96-5	
Molybdenum	**10.8**	mg/kg	0.31	0.15	20	08/25/06 00:00	08/28/06 20:48	7439-98-7	
Nickel	**54.1**	mg/kg	3.1	1.5	100	08/25/06 00:00	08/28/06 20:52	7440-02-0	
Selenium	ND	mg/kg	7.7	3.8	100	08/25/06 00:00	08/28/06 20:52	7782-49-2	D3
Silver	**0.97**	mg/kg	0.61	0.31	20	08/25/06 00:00	08/31/06 15:55	7440-22-4	B
Zinc	**46.1J**	mg/kg	76.5	38.3	100	08/25/06 00:00	08/28/06 20:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.41**	mg/kg	0.048	0.024	1	08/18/06 00:00	08/22/06 16:23	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**68.0**	%	0.10	0.10	1		08/18/06 00:00		

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

QC Batch: MPRP/6980 | Analysis Method: % Moisture
QC Batch Method: % Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 875183003, 875183006

METHOD BLANK: 250774
Associated Lab Samples: 875183003, 875183006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 250775

Parameter	Units	1036979001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.4	12.8	4	30	

SAMPLE DUPLICATE: 250776

Parameter	Units	1036957003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	6.9	2	30	

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

QC Batch: MERP/1237
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 875183003, 875183006

METHOD BLANK: 250946
Associated Lab Samples: 875183003, 875183006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.020	

LABORATORY CONTROL SAMPLE: 250947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.51	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250948 250949

Parameter	Units	1036817001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	23.5	19.5	25.1	21.6	105	107	80-120	15	20	

SAMPLE DUPLICATE: 250950

Parameter	Units	1037049006 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.039	0.035	11	30	

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

QC Batch: MPRP/6989 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 875183001, 875183002, 875183004, 875183005

METHOD BLANK: 251238
Associated Lab Samples: 875183001, 875183002, 875183004, 875183005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.047	
Beryllium	ug/L	ND	0.057	
Boron	ug/L	1.2	0.57	
Sodium	ug/L	ND	11.0	
Magnesium	ug/L	0.70J	1.3	
Aluminum	ug/L	1.3J	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	4.2J	6.0	
Chromium	ug/L	ND	0.30	
Iron	ug/L	10.9J	21.0	
Manganese	ug/L	ND	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	ND	0.14	
Copper	ug/L	ND	0.087	
Zinc	ug/L	1.2	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Silver	ug/L	0.11J	0.14	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	ND	0.11	
Lead	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 251239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	80.2	100	85-115	
Beryllium	ug/L	80	78.3	98	85-115	
Boron	ug/L	80	81.1	101	85-115	
Sodium	ug/L	1000	986	99	85-115	
Magnesium	ug/L	1000	1080	108	85-115	
Aluminum	ug/L	80	82.5	103	85-115	
Potassium	ug/L	1000	996	100	85-115	
Calcium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	80	79.2	99	85-115	
Iron	ug/L	1000	969	97	85-115	
Manganese	ug/L	80	78.9	99	85-115	
Cobalt	ug/L	80	79.0	99	85-115	
Nickel	ug/L	80	78.1	98	85-115	
Copper	ug/L	80	80.5	101	85-115	

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

LABORATORY CONTROL SAMPLE: 251239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	80	79.6	100	85-115	
Arsenic	ug/L	80	78.9	99	85-115	
Selenium	ug/L	160	154	96	85-115	
Molybdenum	ug/L	80	81.0	101	85-115	
Silver	ug/L	80	87.7	110	85-115	
Cadmium	ug/L	80	79.7	100	85-115	
Antimony	ug/L	80	82.0	102	85-115	
Barium	ug/L	80	78.8	99	85-115	
Lead	ug/L	80	81.6	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 251240 251241

Parameter	Units	875183001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	1.2	80	80	61.2	64.5	75	79	70-130	5	20	
Beryllium	ug/L	ND	80	80	56.4	61.9	70	77	70-130	9	20	
Boron	ug/L	12.7	80	80	68.6	68.9	70	70	70-130	.5	20	
Sodium	ug/L	1030	1000	1000	1810	1920	78	88	70-130	6	20	
Magnesium	ug/L	3250	1000	1000	3880	4160	63	91	70-130	7	20	1M
Aluminum	ug/L	14.3	80	80	134	92.1	150	97	70-130	37	20	1M,R1
Potassium	ug/L	1070	1000	1000	2000	2060	94	99	70-130	3	20	
Calcium	ug/L	7440	1000	1000	8820	8800	139	137	70-130	.3	20	1M
Chromium	ug/L	1.1	80	80	78.0	78.8	96	97	70-130	1	20	
Iron	ug/L	377	1000	1000	1230	1340	85	96	70-130	9	20	
Manganese	ug/L	23.3	80	80	100	99.9	96	96	70-130	.4	20	
Cobalt	ug/L	0.11	80	80	87.2	85.8	109	107	70-130	2	20	
Nickel	ug/L	1.6	80	80	82.6	79.6	101	97	70-130	4	20	
Copper	ug/L	0.39	80	80	91.4	83.9	114	104	70-130	9	20	
Zinc	ug/L	2.6	80	80	88.8	86.1	108	104	70-130	3	20	
Arsenic	ug/L	0.61	80	80	81.4	81.2	101	101	70-130	.2	20	
Selenium	ug/L	ND	160	160	159	161	99	101	70-130	1	20	
Molybdenum	ug/L	0.75	80	80	78.9	81.5	98	101	70-130	3	20	
Silver	ug/L	ND	80	80	78.7	93.4	98	117	70-130	17	20	
Cadmium	ug/L	ND	80	80	73.4	78.6	92	98	70-130	7	20	
Antimony	ug/L	0.044J	80	80	73.2	78.7	91	98	70-130	7	20	
Barium	ug/L	2.5	80	80	80.5	82.7	98	100	70-130	3	20	
Lead	ug/L	ND	80	80	87.8	80.9	110	101	70-130	8	20	

SAMPLE DUPLICATE: 251242

Parameter	Units	1036961001 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	ug/L	7.7	7.1	8	20	
Lithium	ug/L	3.8	4.1	6	20	
Magnesium	ug/L	52100	49700	5	20	
Sodium	ug/L	7490	8250	10	20	

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

SAMPLE DUPLICATE: 251242

Parameter	Units	1036961001 Result	Dup Result	RPD	Max RPD	Qualifiers
Beryllium	ug/L	ND	ND	200	20	
Calcium	ug/L	97100	91500	6	20	
Potassium	ug/L	1690	1680	.9	20	
Boron	ug/L	28.9	30.3	5	20	
Chromium	ug/L	0.55	0.46	18	20	
Iron	ug/L	ND	20.1J	11	20	
Manganese	ug/L	385	388	.7	20	
Cobalt	ug/L	0.68	0.71	4	20	
Nickel	ug/L	8.6	8.5	2	20	
Copper	ug/L	0.30	0.38	26	20	R3
Zinc	ug/L	5.6	2.3	84	20	R3
Arsenic	ug/L	0.33	0.30	10	20	
Selenium	ug/L	0.93	0.82	12	20	
Molybdenum	ug/L	0.77	0.76	.6	20	
Silver	ug/L	ND	0.089J	200	20	
Cadmium	ug/L	ND	0.030J	6	20	
Antimony	ug/L	ND	ND	8	20	
Barium	ug/L	60.7	59.3	2	20	
Lead	ug/L	ND	ND	0	20	

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Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

QC Batch: WET/7283 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 875183001, 875183002, 875183004, 875183005

METHOD BLANK: 251558
Associated Lab Samples: 875183001, 875183002, 875183004, 875183005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 251559 251560

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	17.4	17.5	87	88	64-132	.6	34	

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

QC Batch: MPRP/7030 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET
Associated Lab Samples: 875183003, 875183006

METHOD BLANK: 252996
Associated Lab Samples: 875183003, 875183006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Silver	mg/kg	0.65	0.20	
Antimony	mg/kg	ND	0.10	
Lithium	mg/kg	ND	0.10	
Beryllium	mg/kg	ND	0.20	
Boron	mg/kg	ND	2.0	
Aluminum	mg/kg	ND	4.0	
Chromium	mg/kg	0.30J	0.50	
Iron	mg/kg	ND	50.0	
Manganese	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.10	
Nickel	mg/kg	ND	0.20	
Copper	mg/kg	ND	0.40	
Zinc	mg/kg	ND	5.0	
Arsenic	mg/kg	ND	0.10	
Selenium	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.10	
Cadmium	mg/kg	ND	0.10	
Barium	mg/kg	ND	0.10	
Lead	mg/kg	ND	0.10	

LABORATORY CONTROL SAMPLE: 252997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/kg	.4	0.48	121	75-125	
Lithium	mg/kg	.4	0.43	108	75-125	
Boron	mg/kg	.4	0.48	121	75-125	
Aluminum	mg/kg	.4	0.45	113	75-125	
Chromium	mg/kg	.4	0.46	115	75-125	
Iron	mg/kg	5	6.2	124	75-125	
Manganese	mg/kg	.4	0.46	115	75-125	
Cobalt	mg/kg	.4	0.44	111	75-125	
Nickel	mg/kg	.4	0.44	111	75-125	
Copper	mg/kg	.4	0.43	109	75-125	
Zinc	mg/kg	.4	0.43	107	75-125	
Arsenic	mg/kg	.4	0.43	108	75-125	
Selenium	mg/kg	.8	0.82	103	75-125	
Molybdenum	mg/kg	.4	0.44	110	75-125	
Silver	mg/kg	.4	0.49	122	75-125	
Cadmium	mg/kg	.4	0.45	111	75-125	
Antimony	mg/kg	.4	0.46	114	75-125	
Barium	mg/kg	.4	0.44	110	75-125	

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QUALITY CONTROL DATA

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

LABORATORY CONTROL SAMPLE: 252997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	.4	0.44	111	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 252998 252999

Parameter	Units	875183003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/kg	29.5	44.2	47.2	74.2	74.7	101	96	75-125	.7	20	
Beryllium	mg/kg	4.7	44.2	47.2	53.1	54.7	109	106	75-125	3	20	
Boron	mg/kg	13.7	44.2	47.2	62.4	70.5	110	120	75-125	12	20	
Aluminum	mg/kg	17200	44.2	47.2	20100	20400	6590	6760	75-125	1	20	1M
Chromium	mg/kg	30.2	44.2	47.2	80.1	83.8	113	114	75-125	5	20	
Iron	mg/kg	116000	552	591	120000	117000	700	158	75-125	2	20	1M
Manganese	mg/kg	1190	44.2	47.2	1310	1330	274	288	75-125	1	20	1M
Cobalt	mg/kg	15.4	44.2	47.2	53.5	55.4	86	85	75-125	3	20	
Nickel	mg/kg	59.5	44.2	47.2	95.1	101	81	87	75-125	6	20	
Copper	mg/kg	42.9	44.2	47.2	73.8	81.0	70	81	75-125	9	20	M3
Zinc	mg/kg	46.4J	44.2	47.2	78.9	82.2	74	76	75-125	4	20	M3
Arsenic	mg/kg	16.0	44.2	47.2	52.7	55.3	83	83	75-125	5	20	
Selenium	mg/kg	ND	88.5	94.3	76.1	78.8	86	83	75-125	3	20	
Molybdenum	mg/kg	7.1	44.2	47.2	52.2	55.5	102	103	75-125	6	20	
Silver	mg/kg	2.4	44.2	47.2	46.0	50.5	99	102	75-125	9	20	
Cadmium	mg/kg	ND	44.2	47.2	45.4	47.8	103	101	75-125	5	20	
Antimony	mg/kg	0.97	44.2	47.2	32.4	35.8	71	74	75-125	10	20	M3
Barium	mg/kg	74.2	44.2	47.2	130	134	127	127	75-125	3	20	1M
Lead	mg/kg	17.9	44.2	47.2	63.1	68.8	102	108	75-125	9	20	

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QUALIFIERS

Project: 875183 FOTH & VAN DYKE
Pace Project No.: 1037012

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.
1M	Matrix spike recovery was outside laboratory control limits due to high concentration in parent sample.

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Waltz Mill Laboratory

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September 11, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
875183 Foth & Van Dyke; Green Bay, WI
Pace Project No. 06-4438

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on August 18, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-4438
CLIENT: 875183 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0608-1221	875183-001	0608-1222	875183-002
0608-1223	875183-004	0608-1224	875183-005

C: SHIPPING/RECEIVING COMMENTS:

Final Report 9/11/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-4438
Groundwater Characterization; 875183 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0608-1221	875183-001	(8/16/06)	09/08/06	0.800 ± 0.862	(1.56)
0608-1222	875183-002	(8/16/06)	09/08/06	-0.129 ± 0.432	(1.55)
0608-1223	875183-004	(8/16/06)	09/08/06	0.134 ± 0.504	(1.35)
0608-1224	875183-005	(8/16/06)	09/08/06	0.918 ± 1.05	(2.07)
0608-1225	Method Blank	(8/18/06)	09/09/06	-0.281 ± 0.276	(1.02)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0608-1221	875183-001	(8/16/06)	09/08/06	1.44 ± 0.931	(1.65)
0608-1222	875183-002	(8/16/06)	09/08/06	0.788 ± 0.876	(1.87)
0608-1223	875183-004	(8/16/06)	09/08/06	1.04 ± 0.899	(1.81)
0608-1224	875183-005	(8/16/06)	09/08/06	0.427 ± 0.820	(1.83)
0608-1225	Method Blank	(8/18/06)	09/09/06	0.260 ± 0.591	(1.32)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875183-001	875183-002	875183-003	875183-004	875183-005	875183-006
ALKALINITY, BICARB/CARB/TOTAL	B	B		B	B	
ALUMINUM	M	M	M	M	M	M
ANTIMONY	M	M	M	M	M	M
ARSENIC	M	M	M	M	M	M
BARIUM	M	M	M	M	M	M
BERYLLIUM	M	M	M	M	M	M
BORON	M	M	M	M	M	M
BTEX	G	G		G	G	
CADMIUM	M	M	M	M	M	M
CALCIUM	M	M		M	M	
CHLORIDE	B	B		B	B	
CHROMIUM	M	M	M	M	M	M
COBALT	M	M	M	M	M	M
COD	B	B		B	B	
COPPER	M	M	M	M	M	M
FLUORIDE	B	B		B	B	
HARDNESS	M	M		M	M	
IRON	M	M	M	M	M	M
LEAD	M	M	M	M	M	M
LITHIUM	M	M	M	M	M	M
MAGNESIUM	M	M		M	M	
MANGANESE	M	M	M	M	M	M
MERCURY			M			M
MERCURY - LOW LEVEL	K	K		K	K	
MOLYBDENUM	M	M	M	M	M	M
NICKEL	M	M	M	M	M	M
NITROGEN, AMMONIA	B	B		B	B	
NITROGEN, NITRATE	B	B		B	B	
NITROGEN, NITRITE	B	B		B	B	
OIL & GREASE, TOTAL RECOVER - N	M	M		M	M	
POTASSIUM	M	M		M	M	
SAS	W	W		W	W	
SELENIUM	M	M	M	M	M	M
SILVER	M	M	M	M	M	M
SODIUM	M	M		M	M	
SOLIDS, TOTAL DISSOLVED	B	B		B	B	
SOLIDS, TOTAL SUSPENDED	B	B		B	B	
SULFATE	B	B		B	B	
SULFIDE	B	B	C	B	B	C
TOC AS NPOC	K	K		K	K	
TOC AS NPOC - DISSOLVED	K	K		K	K	

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875183-001	875183-002	875183-003	875183-004	875183-005	875183-006
TURBIDITY	B	B		B	B	
ZINC	M	M	M	M	M	M

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 875183
Lab Section: LLHG-K
QC Batch Number: 13829
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-082	MBMTK0956-082
MB2	MB2WMTK0956-082	MB2WMTK0956-082
MB3	MB3WMTK0956-082	MB3WMTK0956-082
IPR	IPRWMTK0956-082	IPRWMTK0956-082
OPR	OPRWMTK0956-082	OPRWMTK0956-082
MS	875188-001MS	875188-001MS
MSD	875188-001MSD	875188-001MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
LKLS-001E	875183-001	LKLS-001H	875183-002
LKLS-002E	875183-004	LKLS-002H	875183-005

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2316	0.2058	< 0.169	5	5.164	103.3	5.59	111.8	79	121	875188-001	6.63	20.0	29.2	112.9		20.0	29.2	112.9		0.0		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/12/2006
QC Batch Number: 13829

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13680
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1990-002MB	WCG1990-002MB
LCS	WCG1990-002MBLCS	WCG1990-002MBLCS
DUP	LKLS-002HDUP	875183-005DUP
DUP	875147-002DUP	875147-002DUP

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB
LKLS-002E	875183-004	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001H	875183-002	MB
LKLS-002H	875183-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	< 0.24	123.0	124	100.8		—	—	—		—		80	120	10	875147-002	338.0	—	—	—		—	—	—		—		—	—	—
Total Suspended Solids	< 0.24	123.0	124	100.8		—	—	—		—		80	120	10	875183-005	11.20	—	—	—		—	—	—		—		—	—	—

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13680

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: VOA
QC Batch Number: 13683
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog1960-88MB	vog1960-88MB
LCS	vog1960-88LCS	vog1960-88LCS
LCSD	vog1960-88LCSD	vog1960-88LCSD
MS	875184-001MS	875184-001MS

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.41	50.0	56.6	113		50.0	59.9	120		5.7		75	125	20	875184-001	<	0.41	50.0	56.5	113		—	—	—		—		70	130	30
Ethylbenzene	<	0.54	50.0	53.6	107		50.0	55.9	112		4.1		75	125	20	875184-001	<	0.54	50.0	52.6	105		—	—	—		—		70	136	30
Toluene	<	0.67	50.0	51.9	104		50.0	54.2	108		4.3		75	125	20	875184-001	<	0.67	50.0	51.4	103		—	—	—		—		70	130	30
Xylene, o	<	0.83	50.0	52.5	105		50.0	56.7	113		7.7		75	125	20	875184-001	<	0.83	50.0	52.1	104		—	—	—		—		70	130	30
Xylenes, m + p	<	1.8	100.0	106.5	106		100.0	111.7	112		4.8		75	125	20	875184-001	<	1.8	100.0	104.2	104		—	—	—		—		70	137	30
4-Bromofluorobenzene		100%	—	—	101		—	—	102		—		64	132	—	875184-001		102%	—	—	101		—	—	—		—		64	132	—
Toluene-d8		103%	—	—	104		—	—	104		—		73	127	—	875184-001		103%	—	—	104		—	—	—		—		73	127	—
Dibromofluoromethane		111%	—	—	109		—	—	109		—		68	122	—	875184-001		111%	—	—	108		—	—	—		—		68	122	—

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13683

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13690
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1918-080MB	WCG1918-080MB
LCS	WCG1918-080LCS	WCG1918-080LCS
MS	LKLS-001EMS	875183-001MS
MS	874960-001MS	874960-001MS
MSD	LKLS-001EMSD	875183-001MSD
MSD	874960-001MSD	874960-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	<	0.82	20.0	18.2	91.0		---	---	---		---		90	110	20	875183-001		2.91	20.0	18.1	76.1	N	20.0	18.2	76.6	N	0.6		90	110	20
Fluoride	<	0.096	2.0	2.1	103.5		---	---	---		---		90	110	20	875183-001		0.20	2.0	2.1	95.0		2.0	2.1	95.0		0.0		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.6	102.5		---	---	---		---		90	110	20	875183-001	<	0.088	1.6	1.6	100.0		1.6	1.6	100.6		0.6		90	110	20
Nitrogen, Nitrite	<	0.04	0.80	0.83	103.8		---	---	---		---		90	110	20	875183-001	<	0.04	0.80	0.79	98.8		0.80	0.77	96.2		2.6		90	110	20
Sulfate	<	0.77	16.0	15.8	98.7		---	---	---		---		90	110	20	875183-001		4.05	16.0	18	87.1	N	16.0	18.1	87.8	N	0.7		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13690

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13721
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1946-028MB	WCG1946-028MB
LCS	WCG1946-028MBLCS	WCG1946-028MBLCS
MS	875295-001MS	875295-001MS
MS	LKLS-001EMS	875183-001MS
MSD	875295-001MSD	875295-001MSD
MSD	LKLS-001EMSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	<	0.2	10.0	9.4	94.1		---	---	---		---		90	110	20	875183-001	<	0.2	10.0	10.6	106.1		10.0	10.4	104.0		2.0		90	110	20
Nitrogen, Ammonia	<	0.2	10.0	9.4	94.1		---	---	---		---		90	110	20	875295-001		1.15	10.0	11.2	100.6		10.0	11.1	99.7		0.7		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13721

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13741
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1962-026MB	WCG1962-026MB
LCS	WCG1962-026MBLCS	WCG1962-026MBLCS
DUP	LKLS-001EDUP	875183-001DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	919.0	864	94.0		---	---	---		---		80	120	10	875183-001	40.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13741

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13765
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-020MB	WCG1919-020MB
LCS	WCG1919-020MBLCS	WCG1919-020MBLCS
MS	LKLS-001EMS	875183-001MS
MSD	LKLS-001EMSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	<	3.7	12.60	12.8	101.9		---	---	---		---		80	120	20	875183-001		29.96	100.0	130.5	100.6		100.0	130.5	100.6		0.0		80	120	20
Carbonate Alkalinity	<	3.7	0	---	---		---	---	---		---		---	---	---	875183-001	<	3.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	<	3.7	12.60	12.8	101.9		---	---	---		---		80	120	20	875183-001		29.96	100.0	130.5	100.6		100.0	130.5	100.6		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13765

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM
QC Batch Number: 13784
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1928-035MB	WCG1928-035MB
LCS	WCG1928-035MBLCS	WCG1928-035MBLCS
MS	875279-001MS	875279-001MS
MS	875221-001MS	875221-001MS
MSD	875279-001MSD	875279-001MSD
MSD	875221-001MSD	875221-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB	LKLS-001H	875183-002	MB
LKLS-002E	875183-004	MB	LKLS-002H	875183-005	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	J	12	400.00	376.8	94.2		---	---	---		---		90	110	10	875221-001		955.83	1600.0	2572.3	101.0		1600.0	2410.6	90.9		6.5		90	110	10
COD	J	12	400.0	376.8	94.2		---	---	---		---		90	110	10	875279-001		89.46	166.7	251.1	97.0		166.7	241	90.9		4.1		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13784

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875183
Lab Section: LLHG-K
QC Batch Number: 13829
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-082	MBMTK0956-082
IPR	IPRWMTK0956-082	IPRWMTK0956-082
OPR	OPRWMTK0956-082	OPRWMTK0956-082
MS	875188-001MS	875188-001MS
MSD	875188-001MSD	875188-001MSD

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB
LKLS-002E	875183-004	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001H	875183-002	MB
LKLS-002H	875183-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2316	0	---	---		—	---	---		—		---	---	---	875188-001	6.63	20.0	29.2	112.9		20.0	29.2	112.9		0.0		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13829

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM-K
QC Batch Number: 13896
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-076MB	WCK0961-076MB
LCS	WCK0961-076MBLCS	WCK0961-076MBLCS
MS	LKLS-001EMS	875183-001MS
MSD	LKLS-001EMSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB
LKLS-002E	875183-004	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001H	875183-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	< 0.72	100.0	93.6	93.6		---	—	—		—		80	120	20	875183-001	6.435	100.0	103	96.6		100.0	102.6	96.1		0.4		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13896

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM-K
QC Batch Number: 13933
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-079MB	WCK0961-079MB
LCS	WCK0961-079MBLCS	WCK0961-079MBLCS
MS	875246-001MS	875246-001MS
MS	875237-001MS	875237-001MS
MSD	875246-001MSD	875246-001MSD
MSD	875237-001MSD	875237-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-002H	875183-005	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	105.8	105.8		---	---	---		---		80	120	20	875237-001		1.261	100.0	108.1	106.8		100.0	105.4	104.1		2.5		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	105.8	105.8		---	---	---		---		80	120	20	875246-001		4.908	100.0	111.7	106.8		100.0	108.1	103.2		3.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13933

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875183
Lab Section: WETCHEM-K
QC Batch Number: 14012
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-084MB	WCK0961-084MB
LCS	WCK0961-084MBLCS	WCK0961-084MBLCS
MS	875472-015MS	875472-015MS
MSD	875472-015MSD	875472-015MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-002H	875183-005	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 0.72	100.0	91.5	91.5		---	---	---		---		80	120	20	875472-015	2.929	100.0	101.7	98.8		100.0	101.3	98.4		0.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14012

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875183
Lab Section: WETCHEM-K
QC Batch Number: 14076
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-088MB	WCK0961-088MB
LCS	WCK0961-088MBLCS	WCK0961-088MBLCS
MS	875470-005MS	875470-005MS
MS	LKLS-001EMS	875183-001MS
MSD	875470-005MSD	875470-005MSD
MSD	LKLS-001EMSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	875183-001	MB
LKLS-002E	875183-004	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001H	875183-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	99.7	99.7		—	—	—		—		80	120	20	875183-001		7.836	100.0	108.1	100.3		100.0	107	99.2		1.1		80	120	20
TOC as NPOC	<	0.72	100.0	99.7	99.7		—	—	—		—		80	120	20	875470-005	<	0.72	100.0	101.5	101.5		100.0	102.9	102.9		1.4		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14076

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 875183

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used IR Gun Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 0.0, 1.0 °C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8/17/06 -LS

Comments: 8-17-06 GD

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. no analysis listed on COC. Have to look at
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. the bottle order sheet. -LS 8/17/06
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO_3, NO_2, turbidity
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9. the LLHg samples were in the same cooler as
-Pace Containers Used:	☑Yes ☐No ☐N/A	the other samples with ice on them.
Containers Intact:	☑Yes ☐No ☐N/A	10. -LS 8/17/06
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W, sediment		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	LS
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15. -004; 1vial
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 8.) the COC says 16 bottles should be received for the water sample points, but only 14 bottles were received.
-LS 8/17/06

Project Manager Review: AH for TN **Date:** 10/13/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

ALLC003rev.2, 10June2005

Batch No. 875246

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

October 12, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 875246 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Claudia for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0992755

Section A Required Client Information:

Company: North Jackson Co.
Address: 1004 Harbor Hills Dr.
Marquette, MI 49855
Email To: dwiitala@northjacksonco.com
Phone: 906-225-6787 Fax: 906-225-6769
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Steve Donahue
Copy To: Foth & Van Dyke
Purchase Order No.:
Project Name: Humboldt
Project Number:

Section C Invoice Information:

Attention:
Company Name: Foth & Van Dyke
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐GA ☐IL ☐IN ☑MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	MERS-003	WT	G	8/17/06	0910			17.4	14	X	X	X	X				X				001
2	MERS-001	WT	G		1045			16.0	14	X	X	X	X				X				002
3	~~WLDS001~~	~~WT~~	~~G~~		~~1230~~			~~21.1~~	~~14~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~				
4	WLDS-001	WT	G		1315			20.1	14	X	X	X	X				X				003
5	WLDD-001	SL	G		1315				2	X	1-40z poly A, 1-40z amber A										004
6	~~WLDD001~~	~~SL~~	~~G~~		~~1315~~				~~2~~	~~X~~											
7	MERD-003	SL	G		0910				2	X											005
8	MERD-001	SL	G		1045				2	X											006
9																					
10																					
11																					
12																					

Preservatives: Unpreserved; H_2SO_4; HNO_3; HCl; NaOH; $Na_2S_2O_3$; Methanol; Other

Requested Analysis: Lab # Foth; 1-500ml poly, 1-500ml poly, 1-250ml poly, 1-250ml poly, 1-250ml poly, 1-40z amber

875246

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Andrew Marcinni / North Jackson Co	8/17	1445	Fed Ex		
Fed Ex	8/18/06	1005	Lori Stevens	8/18/06	1005

SAMPLE CONDITION: Temp in °C 1.0; Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Marcinni Richard Eagle

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Additional Comments:

DOC Field filter

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 875246

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
875246-001	MERS-003	WATER	08/17/06
875246-002	MERS-001	WATER	08/17/06
875246-003	WLDS-001	WATER	08/17/06
875246-004	WLDD-001	SOIL	08/17/06
875246-005	MERD-003	SOIL	08/17/06
875246-006	MERD-001	SOIL	08/17/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alleder for Tod N. — 10/13/06

Approval Signature — Date

Pace Analytical Services, Inc.

Analytical Report Number: 875246

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.51		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	49		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	13		0.82	5.0	1	mg/L	&	08/18/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		08/29/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	13		0.77	4.0	1	mg/L		08/23/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/22/06	EPA 376.1	EPA 376.1
TOC as NPOC	4.3		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	4.9		0.72	2.0	1	mg/L		08/30/06	EPA 415.2	EPA 415.2
Total Alkalinity	49		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.3	B-	0.40	1.7	1	mg/L		08/21/06	EPA 160.2	EPA 160.2
Turbidity	5.4		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-001

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	83		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	98		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.55		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	43		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	8.2		0.82	5.0	1	mg/L	&	08/18/06	EPA 300.0	EPA 300.0
COD	21		9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		08/29/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.14	B	0.088	0.40	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	6.2		0.77	4.0	1	mg/L		08/23/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/22/06	EPA 376.1	EPA 376.1
TOC as NPOC	5.2		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	5.2		0.72	2.0	1	mg/L		08/30/06	EPA 415.2	EPA 415.2
Total Alkalinity	43		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	110		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.8	B	0.48	2.0	1	mg/L		08/23/06	EPA 160.2	EPA 160.2
Turbidity	4.9		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-002

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Ani Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	83		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	101		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	98		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.738		0.169	0.500	1	ng/L		09/01/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	98		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L	N&	08/18/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L	A	08/23/06	EPA 410.4	EPA 410.4
Fluoride	0.47	B	0.096	0.50	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	B	0.20	0.50	1	mg/L		08/29/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/18/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	3.3	B	0.77	4.0	1	mg/L	N	08/23/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/22/06	EPA 376.1	EPA 376.1
TOC as NPOC	6.3		0.72	2.0	1	mg/L		08/29/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.1		0.72	2.0	1	mg/L		08/30/06	EPA 415.2	EPA 415.2
Total Alkalinity	98		3.7	10	1	mg/L		08/23/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		08/23/06	EPA 160.1	EPA 160.1
Total Suspended Solids	7.6		0.48	2.0	1	mg/L		08/23/06	EPA 160.2	EPA 160.2
Turbidity	10		0.44	1.0	1	NTU		08/18/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-003

BTEX

Prep Date: 08/22/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/22/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	83		64	132	1	%		08/22/06	SW846 5030B	SW846 8260B
Toluene-d8	101		73	127	1	%		08/22/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	99		68	122	1	%		08/22/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : WLDD-001

Matrix Type : SOIL
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	150	40	130	1	mg/kg		08/22/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERD-003

Matrix Type : SOIL
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	280	40	130	1	mg/kg		08/22/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 875246

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number :
Field ID : MERD-001

Matrix Type : SOIL
Collection Date : 08/17/06
Report Date : 10/12/06
Lab Sample Number : 875246-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Sulfide	390	40	130	1	mg/kg		08/22/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
875246-	W-COD-W	All Samples	A - Analyte is detected in the method blank at a concentration of 12 mg/L.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.
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Phone: (612)607-1700
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October 11, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 22, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Lab ID	Sample ID	Matrix	Date Collected	Date Received
875246001	MERS-003	Water	08/17/06 00:00	08/22/06 09:20
875246002	MERS-001	Water	08/17/06 00:00	08/22/06 09:20
875246003	WLDS-001	Water	08/17/06 00:00	08/22/06 09:20
875246004	WLDD-001	Solid	08/17/06 00:00	08/22/06 09:20
875246005	MERD-003	Solid	08/17/06 00:00	08/22/06 09:20
875246006	MERD-001	Solid	08/17/06 00:00	08/22/06 09:20

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SAMPLE ANALYTE COUNT

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Lab ID	Sample ID	Method	Analytes Reported
875246001	MERS-003	EPA 1664 TPH	1
		EPA 6020	24
875246002	MERS-001	EPA 1664 TPH	1
		EPA 6020	24
875246003	WLDS-001	EPA 1664 TPH	1
		EPA 6020	24
875246004	WLDD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875246005	MERD-003	% Moisture	1
		EPA 6020	19
		EPA 7471	1
875246006	MERD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1

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ANALYTICAL RESULTS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Sample: MERS-003 **Lab ID: 875246001** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**19.1**	ug/L	1.6	0.49	1	08/23/06 00:00	08/25/06 15:31	7429-90-5	
Antimony	**0.089J**	ug/L	0.13	0.039	1	08/23/06 00:00	08/25/06 15:31	7440-36-0	
Arsenic	**1.9**	ug/L	0.12	0.035	1	08/23/06 00:00	08/25/06 15:31	7440-38-2	
Barium	**11.9**	ug/L	0.11	0.033	1	08/23/06 00:00	08/25/06 15:31	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 15:31	7440-41-7	
Boron	**13.8**	ug/L	0.57	0.17	1	08/23/06 00:00	08/25/06 15:31	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 15:31	7440-43-9	
Calcium	**16500**	ug/L	300	90.0	50	08/23/06 00:00	08/25/06 15:39	7440-70-2	
Chromium	**0.38**	ug/L	0.30	0.091	1	08/23/06 00:00	08/25/06 15:31	7440-47-3	
Cobalt	**0.22**	ug/L	0.029	0.0087	1	08/23/06 00:00	08/25/06 15:31	7440-48-4	
Copper	**0.33**	ug/L	0.087	0.026	1	08/23/06 00:00	08/25/06 15:31	7440-50-8	
Iron	**1570**	ug/L	21.0	6.3	1	08/23/06 00:00	08/25/06 15:31	7439-89-6	
Lead	**0.054J**	ug/L	0.10	0.030	1	08/23/06 00:00	08/25/06 15:31	7439-92-1	
Lithium	**1.1**	ug/L	0.047	0.014	1	08/23/06 00:00	08/25/06 15:31	7439-93-2	
Magnesium	**5280**	ug/L	6.5	1.9	5	08/23/06 00:00	08/25/06 15:35	7439-95-4	
Manganese	**49.0**	ug/L	0.16	0.047	1	08/23/06 00:00	08/25/06 15:31	7439-96-5	
Molybdenum	**0.53**	ug/L	0.11	0.034	1	08/23/06 00:00	08/25/06 15:31	7439-98-7	
Nickel	**0.83**	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 15:31	7440-02-0	
Potassium	**1240**	ug/L	30.0	9.1	1	08/23/06 00:00	08/25/06 15:31	7440-09-7	
Selenium	**0.19J**	ug/L	0.40	0.12	1	08/23/06 00:00	08/25/06 15:31	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 15:31	7440-22-4	
Sodium	**7690**	ug/L	55.0	17.0	5	08/23/06 00:00	08/25/06 15:35	7440-23-5	
Total Hardness by 2340B	**62900**	ug/L	5900	1780	50	08/23/06 00:00	08/25/06 15:39		
Zinc	**2.8**	ug/L	1.0	0.30	1	08/23/06 00:00	08/25/06 15:31	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/30/06 07:38		

Sample: MERS-001 **Lab ID: 875246002** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**20.3**	ug/L	1.6	0.49	1	08/23/06 00:00	08/25/06 16:06	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/23/06 00:00	08/25/06 16:06	7440-36-0	
Arsenic	**1.4**	ug/L	0.12	0.035	1	08/23/06 00:00	08/25/06 16:06	7440-38-2	
Barium	**8.3**	ug/L	0.11	0.033	1	08/23/06 00:00	08/25/06 16:06	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 16:06	7440-41-7	
Boron	**8.2**	ug/L	0.57	0.17	1	08/23/06 00:00	08/25/06 16:06	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 16:06	7440-43-9	
Calcium	**13200**	ug/L	300	90.0	50	08/23/06 00:00	08/25/06 16:15	7440-70-2	
Chromium	**0.34**	ug/L	0.30	0.091	1	08/23/06 00:00	08/25/06 16:06	7440-47-3	
Cobalt	**0.061**	ug/L	0.029	0.0087	1	08/23/06 00:00	08/25/06 16:06	7440-48-4	
Copper	**0.46**	ug/L	0.087	0.026	1	08/23/06 00:00	08/25/06 16:06	7440-50-8	

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ANALYTICAL RESULTS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Sample: MERS-001 **Lab ID: 875246002** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**1230**	ug/L	21.0	6.3	1	08/23/06 00:00	08/25/06 16:06	7439-89-6	
Lead	**0.075J**	ug/L	0.10	0.030	1	08/23/06 00:00	08/25/06 16:06	7439-92-1	
Lithium	**0.92**	ug/L	0.047	0.014	1	08/23/06 00:00	08/25/06 16:06	7439-93-2	
Magnesium	**4250**	ug/L	6.5	1.9	5	08/23/06 00:00	08/25/06 16:11	7439-95-4	
Manganese	**32.8**	ug/L	0.16	0.047	1	08/23/06 00:00	08/25/06 16:06	7439-96-5	
Molybdenum	**0.37**	ug/L	0.11	0.034	1	08/23/06 00:00	08/25/06 16:06	7439-98-7	
Nickel	**0.44**	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 16:06	7440-02-0	
Potassium	**855**	ug/L	30.0	9.1	1	08/23/06 00:00	08/25/06 16:06	7440-09-7	
Selenium	**0.14J**	ug/L	0.40	0.12	1	08/23/06 00:00	08/25/06 16:06	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 16:06	7440-22-4	
Sodium	**4520**	ug/L	55.0	17.0	5	08/23/06 00:00	08/25/06 16:11	7440-23-5	
Total Hardness by 2340B	**50400**	ug/L	5900	1780	50	08/23/06 00:00	08/25/06 16:15		
Zinc	**2.5**	ug/L	1.0	0.30	1	08/23/06 00:00	08/25/06 16:06	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/30/06 07:38		

Sample: WLDS-001 **Lab ID: 875246003** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**15.8**	ug/L	1.6	0.49	1	08/23/06 00:00	08/25/06 16:19	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/23/06 00:00	08/25/06 16:19	7440-36-0	
Arsenic	**0.85**	ug/L	0.12	0.035	1	08/23/06 00:00	08/25/06 16:19	7440-38-2	
Barium	**9.4**	ug/L	0.11	0.033	1	08/23/06 00:00	08/25/06 16:19	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 16:19	7440-41-7	
Boron	**59.3**	ug/L	0.57	0.17	1	08/23/06 00:00	08/25/06 16:19	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/23/06 00:00	08/25/06 16:19	7440-43-9	
Calcium	**21900**	ug/L	300	90.0	50	08/23/06 00:00	08/25/06 16:27	7440-70-2	
Chromium	**0.20J**	ug/L	0.30	0.091	1	08/23/06 00:00	08/25/06 16:19	7440-47-3	
Cobalt	**0.14**	ug/L	0.029	0.0087	1	08/23/06 00:00	08/25/06 16:19	7440-48-4	
Copper	**0.25**	ug/L	0.087	0.026	1	08/23/06 00:00	08/25/06 16:19	7440-50-8	
Iron	**2190**	ug/L	21.0	6.3	1	08/23/06 00:00	08/25/06 16:19	7439-89-6	
Lead	**0.15**	ug/L	0.10	0.030	1	08/23/06 00:00	08/25/06 16:19	7439-92-1	
Lithium	**2.8**	ug/L	0.047	0.014	1	08/23/06 00:00	08/25/06 16:19	7439-93-2	
Magnesium	**10800**	ug/L	6.5	1.9	5	08/23/06 00:00	08/25/06 16:23	7439-95-4	
Manganese	**314**	ug/L	0.80	0.24	5	08/23/06 00:00	08/25/06 16:23	7439-96-5	
Molybdenum	**0.68**	ug/L	0.11	0.034	1	08/23/06 00:00	08/25/06 16:19	7439-98-7	
Nickel	**0.30**	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 16:19	7440-02-0	
Potassium	**1490**	ug/L	30.0	9.1	1	08/23/06 00:00	08/25/06 16:19	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/23/06 00:00	08/25/06 16:19	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/23/06 00:00	08/25/06 16:19	7440-22-4	
Sodium	**1790**	ug/L	11.0	3.4	1	08/23/06 00:00	08/25/06 16:19	7440-23-5	

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ANALYTICAL RESULTS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Sample: WLDS-001 **Lab ID: 875246003** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Total Hardness by 2340B	**99200**	ug/L	5900	1780	50	08/23/06 00:00	08/25/06 16:27		
Zinc	**4.5**	ug/L	1.0	0.30	1	08/23/06 00:00	08/25/06 16:19	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		08/30/06 07:38		

Sample: WLDD-001 **Lab ID: 875246004** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Solid
Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**2020**	mg/kg	197	98.6	100	08/25/06 00:00	08/28/06 21:38	7429-90-5	
Antimony	**1.3**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7440-36-0	
Arsenic	**11.5**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7440-38-2	
Barium	**58.9**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7440-39-3	
Beryllium	**2.0**	mg/kg	2.0	0.99	20	08/25/06 00:00	08/28/06 21:34	7440-41-7	
Boron	**25.2**	mg/kg	19.7	9.9	20	08/25/06 00:00	08/28/06 21:34	7440-42-8	
Cadmium	ND	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7440-43-9	
Chromium	**11.8**	mg/kg	4.9	2.5	20	08/25/06 00:00	08/28/06 21:34	7440-47-3	
Cobalt	**3.1**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7440-48-4	
Copper	**26.5**	mg/kg	3.9	2.0	20	08/25/06 00:00	08/28/06 21:34	7440-50-8	
Iron	**49300**	mg/kg	2470	1230	100	08/25/06 00:00	08/28/06 21:38	7439-89-6	
Lead	**11.0**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7439-92-1	
Lithium	**1.5**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/31/06 15:59	7439-93-2	
Manganese	**2190**	mg/kg	24.7	12.3	100	08/25/06 00:00	08/28/06 21:38	7439-96-5	
Molybdenum	**3.6**	mg/kg	0.99	0.49	20	08/25/06 00:00	08/28/06 21:34	7439-98-7	
Nickel	**11.3**	mg/kg	2.0	0.99	20	08/25/06 00:00	08/28/06 21:34	7440-02-0	
Selenium	ND	mg/kg	4.9	2.5	20	08/25/06 00:00	08/28/06 21:34	7782-49-2	
Silver	**1.0J**	mg/kg	2.0	0.99	20	08/25/06 00:00	08/31/06 15:59	7440-22-4	
Zinc	**73.8**	mg/kg	49.3	24.7	20	08/25/06 00:00	08/28/06 21:34	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.12	0.058	1	08/29/06 00:00	08/30/06 13:00	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**90.9**	%	0.10	0.10	1		08/22/06 00:00		

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ANALYTICAL RESULTS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Sample: MERD-003 **Lab ID: 875246005** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**2970**	mg/kg	116	58.1	500	08/25/06 00:00	08/28/06 21:55	7429-90-5	
Antimony	**0.17**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7440-36-0	
Arsenic	**10.2**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7440-38-2	
Barium	**17.8**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7440-39-3	
Beryllium	**0.13J**	mg/kg	0.23	0.12	20	08/25/06 00:00	08/28/06 21:47	7440-41-7	
Boron	ND	mg/kg	2.3	1.2	20	08/25/06 00:00	08/28/06 21:47	7440-42-8	
Cadmium	ND	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7440-43-9	
Chromium	**9.4**	mg/kg	0.58	0.29	20	08/25/06 00:00	08/28/06 21:47	7440-47-3	
Cobalt	**3.0**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7440-48-4	
Copper	**5.2**	mg/kg	0.46	0.23	20	08/25/06 00:00	08/28/06 21:47	7440-50-8	
Iron	**15300**	mg/kg	1450	726	500	08/25/06 00:00	08/28/06 21:55	7439-89-6	
Lead	**2.6**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7439-92-1	
Lithium	**8.6**	mg/kg	0.29	0.15	50	08/25/06 00:00	08/31/06 16:11	7439-93-2	
Manganese	**246**	mg/kg	1.5	0.73	50	08/25/06 00:00	08/31/06 16:11	7439-96-5	
Molybdenum	**0.52**	mg/kg	0.12	0.058	20	08/25/06 00:00	08/28/06 21:47	7439-98-7	
Nickel	**9.4**	mg/kg	0.23	0.12	20	08/25/06 00:00	08/28/06 21:47	7440-02-0	
Selenium	ND	mg/kg	0.58	0.29	20	08/25/06 00:00	08/28/06 21:47	7782-49-2	
Silver	**0.22J**	mg/kg	0.23	0.12	20	08/25/06 00:00	08/28/06 21:47	7440-22-4	
Zinc	**19.0**	mg/kg	5.8	2.9	20	08/25/06 00:00	08/28/06 21:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0093	1	08/29/06 00:00	08/30/06 13:03	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**26.4**	%	0.10	0.10	1		08/22/06 00:00		

Sample: MERD-001 **Lab ID: 875246006** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**9340**	mg/kg	1090	545	5000	08/25/06 00:00	08/30/06 15:30	7429-90-5	
Antimony	**0.10J**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7440-36-0	
Arsenic	**20.9**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7440-38-2	
Barium	**39.2**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7440-39-3	
Beryllium	**0.20J**	mg/kg	0.22	0.11	20	08/25/06 00:00	08/28/06 21:59	7440-41-7	
Boron	ND	mg/kg	2.2	1.1	20	08/25/06 00:00	08/28/06 21:59	7440-42-8	
Cadmium	ND	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7440-43-9	
Chromium	**23.0**	mg/kg	0.54	0.27	20	08/25/06 00:00	08/28/06 21:59	7440-47-3	
Cobalt	**5.9**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7440-48-4	
Copper	**12.5**	mg/kg	0.44	0.22	20	08/25/06 00:00	08/28/06 21:59	7440-50-8	
Iron	**28000**	mg/kg	1360	681	500	08/25/06 00:00	08/28/06 22:08	7439-89-6	

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ANALYTICAL RESULTS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

Sample: MERD-001 **Lab ID: 875246006** Collected: 08/17/06 00:00 Received: 08/22/06 09:20 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lead	**6.8**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7439-92-1	
Lithium	**11.2**	mg/kg	0.54	0.27	100	08/25/06 00:00	08/31/06 16:15	7439-93-2	
Manganese	**321**	mg/kg	2.7	1.4	100	08/25/06 00:00	08/31/06 16:15	7439-96-5	
Molybdenum	**0.33**	mg/kg	0.11	0.054	20	08/25/06 00:00	08/28/06 21:59	7439-98-7	
Nickel	**21.7**	mg/kg	0.22	0.11	20	08/25/06 00:00	08/28/06 21:59	7440-02-0	
Selenium	ND	mg/kg	0.54	0.27	20	08/25/06 00:00	08/28/06 21:59	7782-49-2	
Silver	**0.18J**	mg/kg	0.22	0.11	20	08/25/06 00:00	08/28/06 21:59	7440-22-4	
Zinc	**46.0**	mg/kg	5.4	2.7	20	08/25/06 00:00	08/28/06 21:59	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0095	1	08/29/06 00:00	08/30/06 13:07	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**16.6**	%	0.10	0.10	1		08/22/06 00:00		

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

QC Batch: MPRP/7000 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 875246004, 875246005, 875246006

METHOD BLANK: 251586
Associated Lab Samples: 875246004, 875246005, 875246006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 251587

Parameter	Units	1037131001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.4	4.3	3	30	

SAMPLE DUPLICATE: 251882

Parameter	Units	1037132001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.78	0.77	2	30	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

QC Batch: MPRP/7011 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET
Associated Lab Samples: 875246001, 875246002, 875246003

METHOD BLANK: 252129
Associated Lab Samples: 875246001, 875246002, 875246003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.047	
Beryllium	ug/L	ND	0.057	
Boron	ug/L	0.96	0.57	
Sodium	ug/L	ND	11.0	
Magnesium	ug/L	0.49J	1.3	
Aluminum	ug/L	0.94J	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	4.6J	6.0	
Chromium	ug/L	ND	0.30	
Iron	ug/L	11.1J	21.0	
Manganese	ug/L	ND	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	ND	0.14	
Copper	ug/L	0.041J	0.087	
Zinc	ug/L	1.5	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Silver	ug/L	0.066J	0.14	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	ND	0.11	
Lead	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 252130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	77.0	96	85-115	
Beryllium	ug/L	80	80.7	101	85-115	
Boron	ug/L	80	80.4	100	85-115	
Sodium	ug/L	1000	958	96	85-115	
Magnesium	ug/L	1000	1050	105	85-115	
Aluminum	ug/L	80	78.9	99	85-115	
Potassium	ug/L	1000	1030	103	85-115	
Calcium	ug/L	1000	945	94	85-115	
Chromium	ug/L	80	80.2	100	85-115	
Iron	ug/L	1000	1010	101	85-115	
Manganese	ug/L	80	79.1	99	85-115	
Cobalt	ug/L	80	77.2	96	85-115	
Nickel	ug/L	80	82.8	103	85-115	
Copper	ug/L	80	79.0	99	85-115	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

LABORATORY CONTROL SAMPLE: 252130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	80	80.0	100	85-115	
Arsenic	ug/L	80	82.1	103	85-115	
Selenium	ug/L	160	151	95	85-115	
Molybdenum	ug/L	80	81.2	102	85-115	
Silver	ug/L	80	73.8	92	85-115	
Cadmium	ug/L	80	82.7	103	85-115	
Antimony	ug/L	80	84.8	106	85-115	
Barium	ug/L	80	78.8	99	85-115	
Lead	ug/L	80	83.7	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 252131 252132

Parameter	Units	875246001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	1.1	80	80	88.3	83.0	109	102	70-130	6	20	
Beryllium	ug/L	ND	80	80	82.4	80.0	103	100	70-130	3	20	
Boron	ug/L	13.8	80	80	93.7	98.8	100	106	70-130	5	20	
Sodium	ug/L	7690	1000	1000	9400	8730	171	104	70-130	7	20	1M
Magnesium	ug/L	5280	1000	1000	6340	6220	106	94	70-130	2	20	
Aluminum	ug/L	19.1	80	80	104	104	106	107	70-130	.7	20	
Potassium	ug/L	1240	1000	1000	2350	2300	111	106	70-130	2	20	
Calcium	ug/L	16500	1000	1000	17900	17700	146	125	70-130	1	20	1M
Chromium	ug/L	0.38	80	80	80.7	81.3	100	101	70-130	.7	20	
Iron	ug/L	1570	1000	1000	2670	2540	111	97	70-130	5	20	
Manganese	ug/L	49.0	80	80	133	133	104	105	70-130	.1	20	
Cobalt	ug/L	0.22	80	80	82.4	80.8	103	101	70-130	2	20	
Nickel	ug/L	0.83	80	80	81.7	81.6	101	101	70-130	.2	20	
Copper	ug/L	0.33	80	80	81.3	83.3	101	104	70-130	2	20	
Zinc	ug/L	2.8	80	80	83.3	80.6	101	97	70-130	3	20	
Arsenic	ug/L	1.9	80	80	82.0	81.2	100	99	70-130	.9	20	
Selenium	ug/L	0.19J	160	160	156	154	97	96	70-130	1	20	
Molybdenum	ug/L	0.53	80	80	80.6	80.7	100	100	70-130	.07	20	
Silver	ug/L	ND	80	80	70.5	77.2	88	96	70-130	9	20	
Cadmium	ug/L	ND	80	80	79.9	79.0	100	99	70-130	1	20	
Antimony	ug/L	0.089J	80	80	83.5	82.1	104	102	70-130	2	20	
Barium	ug/L	11.9	80	80	92.7	91.4	101	99	70-130	1	20	
Lead	ug/L	0.054J	80	80	82.1	85.4	103	107	70-130	4	20	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

QC Batch: MPRP/7030 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 875246004, 875246005, 875246006

METHOD BLANK: 252996
Associated Lab Samples: 875246004, 875246005, 875246006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Silver	mg/kg	0.65	0.20	
Antimony	mg/kg	ND	0.10	
Lithium	mg/kg	ND	0.10	
Beryllium	mg/kg	ND	0.20	
Boron	mg/kg	ND	2.0	
Aluminum	mg/kg	ND	4.0	
Chromium	mg/kg	0.30J	0.50	
Iron	mg/kg	ND	50.0	
Manganese	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.10	
Nickel	mg/kg	ND	0.20	
Copper	mg/kg	ND	0.40	
Zinc	mg/kg	ND	5.0	
Arsenic	mg/kg	ND	0.10	
Selenium	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.10	
Cadmium	mg/kg	ND	0.10	
Barium	mg/kg	ND	0.10	
Lead	mg/kg	ND	0.10	

LABORATORY CONTROL SAMPLE: 252997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/kg	.4	0.48	121	75-125	
Lithium	mg/kg	.4	0.43	108	75-125	
Boron	mg/kg	.4	0.48	121	75-125	
Aluminum	mg/kg	.4	0.45	113	75-125	
Chromium	mg/kg	.4	0.46	115	75-125	
Iron	mg/kg	5	6.2	124	75-125	
Manganese	mg/kg	.4	0.46	115	75-125	
Cobalt	mg/kg	.4	0.44	111	75-125	
Nickel	mg/kg	.4	0.44	111	75-125	
Copper	mg/kg	.4	0.43	109	75-125	
Zinc	mg/kg	.4	0.43	107	75-125	
Arsenic	mg/kg	.4	0.43	108	75-125	
Selenium	mg/kg	.8	0.82	103	75-125	
Molybdenum	mg/kg	.4	0.44	110	75-125	
Silver	mg/kg	.4	0.49	122	75-125	
Cadmium	mg/kg	.4	0.45	111	75-125	
Antimony	mg/kg	.4	0.46	114	75-125	
Barium	mg/kg	.4	0.44	110	75-125	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

LABORATORY CONTROL SAMPLE: 252997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	.4	0.44	111	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 252998 252999

Parameter	Units	875183003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/kg	29.5	44.2	47.2	74.2	74.7	101	96	75-125	.7	20	
Beryllium	mg/kg	4.7	44.2	47.2	53.1	54.7	109	106	75-125	3	20	
Boron	mg/kg	13.7	44.2	47.2	62.4	70.5	110	120	75-125	12	20	
Aluminum	mg/kg	17200	44.2	47.2	20100	20400	6590	6760	75-125	1	20	1M
Chromium	mg/kg	30.2	44.2	47.2	80.1	83.8	113	114	75-125	5	20	
Iron	mg/kg	116000	552	591	120000	117000	700	158	75-125	2	20	1M
Manganese	mg/kg	1190	44.2	47.2	1310	1330	274	288	75-125	1	20	1M
Cobalt	mg/kg	15.4	44.2	47.2	53.5	55.4	86	85	75-125	3	20	
Nickel	mg/kg	59.5	44.2	47.2	95.1	101	81	87	75-125	6	20	
Copper	mg/kg	42.9	44.2	47.2	73.8	81.0	70	81	75-125	9	20	M3
Zinc	mg/kg	46.4J	44.2	47.2	78.9	82.2	74	76	75-125	4	20	M3
Arsenic	mg/kg	16.0	44.2	47.2	52.7	55.3	83	83	75-125	5	20	
Selenium	mg/kg	ND	88.5	94.3	76.1	78.8	86	83	75-125	3	20	
Molybdenum	mg/kg	7.1	44.2	47.2	52.2	55.5	102	103	75-125	6	20	
Silver	mg/kg	2.4	44.2	47.2	46.0	50.5	99	102	75-125	9	20	
Cadmium	mg/kg	ND	44.2	47.2	45.4	47.8	103	101	75-125	5	20	
Antimony	mg/kg	0.97	44.2	47.2	32.4	35.8	71	74	75-125	10	20	M3
Barium	mg/kg	74.2	44.2	47.2	130	134	127	127	75-125	3	20	1M
Lead	mg/kg	17.9	44.2	47.2	63.1	68.8	102	108	75-125	9	20	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

QC Batch: WET/7348 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 875246001, 875246002, 875246003

METHOD BLANK: 253788
Associated Lab Samples: 875246001, 875246002, 875246003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 253789 253790

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.0	16.4	75	82	64-132	9	34	

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QUALITY CONTROL DATA

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

QC Batch: MERP/1245 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 875246004, 875246005, 875246006

METHOD BLANK: 253801
Associated Lab Samples: 875246004, 875246005, 875246006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.020	

LABORATORY CONTROL SAMPLE: 253802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 253803 253804

Parameter	Units	1037082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.019J	.49	.57	0.58	0.69	117	117	80-120	17	20	

SAMPLE DUPLICATE: 253805

Parameter	Units	1037082001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.019J	ND	200	30	D7

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ACCREDITED IN ACCORDANCE WITH ISO/IEC 17025 nelac

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALIFIERS

Project: 875246 FOTH & VAN DYKE
Pace Project No.: 1037153

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

D7	The sample and/or duplicate results for this parameter are less than the reporting limit, calculations are based on estimated values and may be statistically unreliable.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
1M	Matrix spike recovery was outside laboratory control limits due to high concentration in parent sample.

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Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208
www.pacelabs.com

September 12, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization; Purchase Order No. ILWO 875246-C
875246; Green Bay, WI
Pace Project No. 06-4466

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on August 22, 2006 and logged in for analysis on August 23, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-4466
CLIENT: Purchase Order Number: ILWO 875246-C

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0608-1320	875246-001	0608-1321	875246-002
0608-1322	875246-003		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 9/12/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-4466
Groundwater Characterization; 875246
Charge Order No. ILWO 875246-C

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0608-1320	875246-001	(8/17/06)	09/08/06	-0.325 ± 0.630	(1.78)
0608-1321	875246-002	(8/17/06)	09/08/06	0.262 ± 0.505	(1.12)
0608-1322	875246-003	(8/17/06)	09/08/06	0.463 ± 0.780	(1.70)
0608-1323	Method Blank	(8/22/06)	09/07/06	0.212 ± 0.409	(0.909)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0608-1320	875246-001	(8/17/06)	09/08/06	1.24 ± 0.711	(1.30)
0608-1321	875246-002	(8/17/06)	09/08/06	1.18 ± 0.677	(1.21)
0608-1322	875246-003	(8/17/06)	09/08/06	2.12 ± 0.817	(1.19)
0608-1323	Method Blank	(8/22/06)	09/07/06	-0.096 ± 0.506	(1.20)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875246-001	875246-002	875246-003	875246-004	875246-005	875246-006
ALKALINITY, BICARB/CARB/TOTAL	B	B	B			
ALUMINUM	M	M	M	M	M	M
ANTIMONY	M	M	M	M	M	M
ARSENIC	M	M	M	M	M	M
BARIUM	M	M	M	M	M	M
BERYLLIUM	M	M	M	M	M	M
BORON	M	M	M	M	M	M
BTEX	G	G	G			
CADMIUM	M	M	M	M	M	M
CALCIUM	M	M	M			
CHLORIDE	B	B	B			
CHROMIUM	M	M	M	M	M	M
COBALT	M	M	M	M	M	M
COD	B	B	B			
COPPER	M	M	M	M	M	M
FLUORIDE	B	B	B			
HARDNESS	M	M	M			
IRON	M	M	M	M	M	M
LEAD	M	M	M	M	M	M
LITHIUM	M	M	M	M	M	M
MAGNESIUM	M	M	M			
MANGANESE	M	M	M	M	M	M
MERCURY				M	M	M
MERCURY - LOW LEVEL	K	K	K			
MOLYBDENUM	M	M	M	M	M	M
NICKEL	M	M	M	M	M	M
NITROGEN, AMMONIA	B	B	B			
NITROGEN, NITRATE	B	B	B			
NITROGEN, NITRITE	B	B	B			
OIL & GREASE, TOTAL RECOVER - N	M	M	M			
POTASSIUM	M	M	M			
SAS	W	W	W			
SELENIUM	M	M	M	M	M	M
SILVER	M	M	M	M	M	M
SODIUM	M	M	M			
SOLIDS, TOTAL DISSOLVED	B	B	B			
SOLIDS, TOTAL SUSPENDED	B	B	B			
SULFATE	B	B	B			
SULFIDE	B	B	B	C	C	C
TOC AS NPOC	K	K	K			
TOC AS NPOC - DISSOLVED	K	K	K			

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	875246-001	875246-002	875246-003	875246-004	875246-005	875246-006
TURBIDITY	B	B	B			
ZINC	M	M	M	M	M	M

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch Number: 875246
Lab Section: METALS-K
QC Batch Number: 14002
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-090	MBMTK0956-090
MB2	MB2WMTK0956-090	MB2WMTK0956-090
MB3	MB3WMTK0956-090	MB3WMTK0956-090
IPR	IPRWMTK0956-090	IPRWMTK0956-090
OPR	OPRWMTK0956-090	OPRWMTK0956-090
MS	875487-002MS	875487-002MS
MS	875403-001MS	875403-001MS
MS	MERS-001MS	875246-002MS
MSD	875487-002MSD	875487-002MSD
MSD	875403-001MSD	875403-001MSD
MSD	MERS-001MSD	875246-002MSD

Client Sample ID	Lab Sample ID
MERS-003	875246-001
WLDS-001	875246-003

Client Sample ID	Lab Sample ID
MERS-001	875246-002

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2709	0.1868	< 0.169	5	5.564	111.3	4.346	86.9	79	121	875246-002	1.55	10.0	11	94.8		10.0	12.2	106.7		10.3		75	125	24
Mercury - Low Level											875403-001	124.9	100.0	221.6	96.7		100.0	232.7	107.8		4.9		75	125	24
Mercury - Low Level											875487-002	1434.2	1000.0	2412.6	97.8		1000.0	2573.7	114.0		6.5		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/12/2006
QC Batch Number: 14002

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13708
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1918-082MB	WCG1918-082MB
LCS	WCG1918-082MBLCS	WCG1918-082MBLCS
MS	WLDS-001MS	875246-003MS
MS	875209-002MS	875209-002MS
MSD	WLDS-001MSD	875246-003MSD
MSD	875209-002MSD	875209-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	J	2.4	20.0	17.6	88.1	&	---	---	---		---		90	110	20	875246-003		2.57	20.0	17.6	74.9	N	20.0	17.3	73.8	N	1.3		90	110	20
Fluoride	<	0.096	2.0	2	99.5		---	---	---		---		90	110	20	875246-003		0.47	2.0	2.3	92.5		2.0	2.3	92.0		0.4		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.5	93.8		---	---	---		---		90	110	20	875246-003	<	0.088	1.6	1.5	91.2		1.6	1.4	90.0		1.4		90	110	20
Nitrogen, Nitrite	<	0.04	0.80	0.84	105.0		---	---	---		---		90	110	20	875246-003	<	0.04	0.80	0.85	106.2		0.80	0.84	105.0		1.2		90	110	20
Sulfate	<	0.77	16.0	14.4	90.1		---	---	---		---		90	110	20	875246-003		3.29	16.0	16.7	84.0	N	16.0	16.5	82.6	N	1.3		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13708

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13709
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1990-006MB	WCG1990-006MB
LCS	WCG1990-006MBLCS	WCG1990-006MBLCS
DUP	875241-002DUP	875241-002DUP
DUP	875215-001DUP	875215-001DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB			

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	123.0	128	104.1		---	---	---		---		80	120	10	875215-001		17.60	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.24	123.0	128	104.1		---	---	---		---		80	120	10	875241-002		14.40	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13709

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: VOA
QC Batch Number: 13711
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog1960-93MB	vog1960-93MB
LCS	vog1960-93LCS	vog1960-93LCS
LCSD	vog1960-93LCSD	vog1960-93LCSD
MS	875264-003MS	875264-003MS
MSD	875264-003MSD	875264-003MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.41	50.00	54.5	109		50.00	54.7	109		0.4		75	125	20	875264-003		321.9	200.0	521.1	100		200.0	494.9	87		5.2		70	130	30
Ethylbenzene	<	0.54	50.00	55.2	110		50.00	55.8	112		1.2		75	125	20	875264-003		399.5	200.0	610.3	105		200.0	569.1	85		7.0		70	136	30
Toluene	<	0.67	50.00	53.5	107		50.00	54.2	108		1.3		75	125	20	875264-003		5.580	200.0	227.3	111		200.0	221.4	108		2.6		70	130	30
Xylene, o	<	0.83	50.00	55.2	110		50.00	55.4	111		0.4		75	125	20	875264-003		5.041	200.0	238.6	117		200.0	233	114		2.4		70	130	30
Xylenes, m + p	<	1.8	100.00	110.5	111		100.00	111.3	111		0.7		75	125	20	875264-003		937.05	400.00	1361.9	106		400.00	1266.2	82		7.3		70	137	30
4-Bromofluorobenzene		84%	---	---	89		---	---	90		---		64	132	---	875264-003		92%	---	---	93		---	---	92		---		64	132	---
Toluene-d8		100%	---	---	101		---	---	102		---		73	127	---	875264-003		100%	---	---	102		---	---	100		---		73	127	---
Dibromofluoromethane		95%	---	---	97		---	---	96		---		68	122	---	875264-003		93%	---	---	93		---	---	92		---		68	122	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13711

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13741
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1962-026MB	WCG1962-026MB
LCS	WCG1962-026MBLCS	WCG1962-026MBLCS
DUP	875183-001DUP	875183-001DUP

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Dissolved Solids	< 11	919.0	864	94.0		---	---	---		---		80	120	10	875183-001	40.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13741

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13765
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-020MB	WCG1919-020MB
LCS	WCG1919-020MBLCS	WCG1919-020MBLCS
MS	875183-001MS	875183-001MS
MSD	875183-001MSD	875183-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	<	3.7	12.60	12.8	101.9		—	—	—		—		80	120	20	875183-001		29.96	100.0	130.5	100.6		100.0	130.5	100.6		0.0		80	120	20
Carbonate Alkalinity	<	3.7	0	—	—		—	—	—		—		—	—	—	875183-001	<	3.7	—	—	—		—	—	—		—		—	—	—
Total Alkalinity	<	3.7	12.60	12.8	101.9		—	—	—		—		80	120	20	875183-001		29.96	100.0	130.5	100.6		100.0	130.5	100.6		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13765

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13767
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1990-008MB	WCG1990-008MB
LCS	WCG1990-008MBLCS	WCG1990-008MBLCS
DUP	875283-001DUP	875283-001DUP
DUP	875279-001DUP	875279-001DUP

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-001	875246-003	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Suspended Solids	< 0.24	188.0	186	98.9		---	---	---		---		80	120	10	875279-001	17.00	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	< 0.24	188.0	186	98.9		---	---	---		---		80	120	10	875283-001	146.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13767

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13784
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1928-035MB	WCG1928-035MB
LCS	WCG1928-035MBLCS	WCG1928-035MBLCS
MS	875279-001MS	875279-001MS
MS	875221-001MS	875221-001MS
MSD	875279-001MSD	875279-001MSD
MSD	875221-001MSD	875221-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result		LCS Spiked Conc	LCS Recovery			LCSD Spiked Conc	LCSD Recovery			LCS/LCSD RPD		LCS/LCSD Control Limits			Parent Sample Number	Parent Result	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD		MS/MSD Control Limits		
		Conc	Conc	Conc	%	C	Conc	Conc	%	C	%	C	LCL %	UCL %	RPD %		Conc	Conc	Conc	%	C	Conc	Conc	%	C	%	C	LCL %	UCL %	RPD %
COD	J	12	400.00	376.8	94.2		---	---	---		---		90	110	10	875221-001	955.83	1600.0	2572.3	101.0		1600.0	2410.6	90.9		6.5		90	110	10
COD	J	12	400.0	376.8	94.2		---	---	---		---		90	110	10	875279-001	89.46	166.7	251.1	97.0		166.7	241	90.9		4.1		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13784

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: WETCHEM
QC Batch Number: 13888
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1946-043MB	WCG1946-043MB
LCS	WCG1946-043MBLCS	WCG1946-043MBLCS
MS	875375-001MS	875375-001MS
MSD	875375-001MSD	875375-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Nitrogen, Ammonia	< 0.2	10.0	9.1	90.9		—	—	—		—		90	110	20	875375-001	0.243	10.0	10.2	99.5		10.0	9.9	97.0		2.5		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13888

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875246
Lab Section: WETCHEM-K
QC Batch Number: 13904
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-077MB	WCK0961-077MB
LCS	WCK0961-077MBLCS	WCK0961-077MBLCS
MS	875433-001MS	875433-001MS
MS	MERS-003MS	875246-001MS
MSD	875433-001MSD	875433-001MSD
MSD	MERS-003MSD	875246-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	95.8	95.8		---	---	---		---		80	120	20	875246-001		4.305	100.0	104.5	100.2		100.0	102.5	98.2		1.9		80	120	20
TOC as NPOC	<	0.72	100.0	95.8	95.8		---	---	---		---		80	120	20	875433-001		10.62	100.0	110.4	99.8		100.0	111.2	100.6		0.7		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13904

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 875246
Lab Section: WETCHEM-K
QC Batch Number: 13933
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-079MB	WCK0961-079MB
LCS	WCK0961-079MBLCS	WCK0961-079MBLCS
MS	MERS-003MS	875246-001MS
MS	875237-001MS	875237-001MS
MSD	MERS-003MSD	875246-001MSD
MSD	875237-001MSD	875237-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	105.8	105.8		---	---	---		---		80	120	20	875237-001		1.261	100.0	108.1	106.8		100.0	105.4	104.1		2.5		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	105.8	105.8		---	---	---		---		80	120	20	875246-001		4.908	100.0	111.7	106.8		100.0	108.1	103.2		3.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 13933

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875246
Lab Section: METALS-K
QC Batch Number: 14002
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-090	MBMTK0956-090
IPR	IPRWMTK0956-090	IPRWMTK0956-090
OPR	OPRWMTK0956-090	OPRWMTK0956-090
MS	875487-002MS	875487-002MS
MS	875403-001MS	875403-001MS
MS	MERS-001MS	875246-002MS
MSD	875487-002MSD	875487-002MSD
MSD	875403-001MSD	875403-001MSD
MSD	MERS-001MSD	875246-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	875246-001	MB
WLDS-001	875246-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	875246-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2709	0	—	—		—	—	—		—		—	—	—	875246-002	1.55	10.0	11	94.8		10.0	12.2	106.7		10.3		75	125	24
Mercury - Low Level	0.2709	0	—	—		—	—	—		—		—	—	—	875403-001	124.9	100.0	221.6	96.7		100.0	232.7	107.8		4.9		75	125	24
Mercury - Low Level	0.2709	0	—	—		—	—	—		—		—	—	—	875487-002	1434.2	1000.0	2412.6	97.8		1000.0	2573.7	114.0		6.5		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/13/2006
QC Batch Number: 14002

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 875246

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used IR Gun Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 1.0, 2.0 °C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 8/18/06 - LS

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO3, NO2, turbidity
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W, sediments		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	LS
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: DH for TN **Date:** 10/13/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Batch No. 874750

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

October 18, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Eagle South project (06W003). The samples were assigned to batch number 874750 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Austin for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

VLS

Page: 1 of 2

0992731

Section A Required Client Information:

Company: North Jackson Co.
Address: 1004 Wanbor Hills Dr, Ste 102
Marquette, MI 49855
Email To: dwitala@northjacksonco.com
Phone: 906-225-6787 Fax: 906-225-6789
Requested Due Date/TAT:

Section B Required Project Information:

Report To: S. Donohue
Copy To: Foth + VanDyke
Purchase Order No.:
Project Name: Humboldt
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER_____

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID — One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

ALL Soils 1-4oz Amber 1-4oz Soil

* ALL WATER SAMPLES: 1 Amber HCl 1 LPoly A. 2-500ml 1-250ml 1-500ml HNO3 1-250ml Zn Acetate 1-500ml 2-40ml 1-250ml H2SO4 2-4oz Amber

1-4oz Amber 1-4oz Poly

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH / ZnAc	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: See Foth+VanDyke Parameter List	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	WBRS-001*	WT	G			8/3/06	1050		14	X	X	X	X	X						001
2	WBRD-001	SL	G				1050		2	X										002
3	WBRS-002*	WT	G				1015	20.9	14	X	X	X	X	X						003
4	WBRD-002*	SL	G				1015	20.9	2	X										004
5	WBRS-003*	WT	G				0945	18.3	14	X	X	X	X	X						005
6	WBRD-003	SL	G				0945	18.3	2	X										006
7	MBRS-001*	WT	G				0915	17.3	14	X	X	X	X	X						007
8	MBRD-001	SL	G				0915	17.3	2	X										008
9	EBRS-001*	WT	G				0845	17.8	14	X	X	X	X	X						009
10	EBRD-001	SL	G				0845	17.8	2	X										010
11	MERS-001*	WT	G				1400	18.7	14	X	X	X	X	X						011
12	MERD-001	SL	G				1400	18.7	2	X										012

Filtered (Y/N)

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	8/3/06	1500			
FedEx	8/4/06	1010	[signature] Pace	8/4/06	1010

SAMPLE CONDITION: IN COMPLIANCE

Temp in °C: 1.0°/1.5°C 1.0°C 2.0°C 2.0°C

Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N

Additional Comments:

Lab - please filter one Toc sample for DOC.

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Richard Eagle Andy Maracini

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 8/3/06

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

AI L0020rev.3.31Mar05

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

0992732

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company	Report To:	Attention:
Address see p. 1	Copy To: see p. 1	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone / Fax	Project Name:	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Filtered (Y/N)

Requested Analysis: See PVP Param List

Residual Chlorine (Y/N)

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	~~HWCS-001~~																			
2	~~HWCD-001~~																			
3	DUPS-001 *	WT				8/3/06		18.7	14	X	X	X	X	X						013
4	DUPD-001	SL				↓		18.7	2	X										014
5	MERS-002 *	WT					1300	18.7	14	X	X	X	X	X						015
6	MERD-002	SL				↓	1300	18.7	2	X										016
7	FBKS-001 *	WT				8/3/06	0900	—	14	X	X	X	X	X						017
8	TBKS-001	WT				8/3/06	~~0900~~	—	2				X							018
9																				
10																				
11																				
12																				

Pace Project Number: 874750

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
X Andy Marcini / NTC	8/3/06	1500			
Fedex	8/4/06	1010	[illegible]	8/4/06	1010

SAMPLE CONDITION: Temp in °C; Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N — See Comments

Additional Comments:

Lab - please filter one TOC sample for DOC.
1.0°C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Richard Eagle Andy Maracini

SIGNATURE of SAMPLER: X [signature] DATE Signed (MM / DD / YY): 8/3/06

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 874750

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
874750-001	WBRS-001	WATER	08/03/06
874750-002	WBRD-001	SOIL	08/03/06
874750-003	WBRS-002	WATER	08/03/06
874750-004	WBRD-002	SOIL	08/03/06
874750-005	WBRS-003	WATER	08/03/06
874750-006	WBRD-003	SOIL	08/03/06
874750-007	MBRS-001	WATER	08/03/06
874750-008	MBRD-001	SOIL	08/03/06
874750-009	EBRS-001	WATER	08/03/06
874750-010	EBRD-001	SOIL	08/03/06
874750-013	DUPS-001	WATER	08/03/06
874750-014	DUPD-001	SOIL	08/03/06
874750-015	MERS-002	WATER	08/03/06
874750-016	MERD-002	SOIL	08/03/06
874750-017	FBKS-001	WATER	08/03/06
874750-018	TBKS-001	WATER	08/03/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alec Ahn for Tod N.

Approval Signature

10/23/06

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	11.7		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	11		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	8.2		0.82	5.0	1	mg/L	N	08/10/06	EPA 300.0	EPA 300.0
COD	140		10	21	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.85		0.20	0.20	1	mg/L	N	08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.12	B	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	NH	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	5.0		0.77	4.0	1	mg/L	N	08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	34		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	21		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	11		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	280		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	4.4		0.95	4.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	4.1		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-001

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	109		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRD-001

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Percent Solids	33.9	---	—	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	220	20	64	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	3.43		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	30		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	31		0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	83		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.21	B	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.36		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	3.6	B	0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	15		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	11		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	30		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	120		2.4	10	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	110		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-003

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	103		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	99		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	108		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRD-002

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Manganese	INCL.									
Mercury	INCL.									
Molybdenum	INCL.									
Nickel	INCL.									
Selenium	INCL.									
Silver	INCL.									
Zinc	INCL.									
Percent Solids	89.8		---	---	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	11	B	10	32	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	2.23		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	60		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	14		0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	92		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.26	B	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.32		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	6.0		0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	15		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	14		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	60		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	260		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	15		0.95	4.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	59		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-005

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	99		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	110		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WBRD-003

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Percent Solids	68.9	---	---	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	240	20	64	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-007

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.32		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	60		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	13		0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	54		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.30	B	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.22		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.12	B	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	6.1		0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	11		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.8		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	60		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L	X	08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.8	B	0.48	2.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	6.6		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-007

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	104		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	110		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MBRD-001

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-008

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Manganese	INCL.									
Mercury	INCL.									
Molybdenum	INCL.									
Nickel	INCL.									
Selenium	INCL.									
Silver	INCL.									
Zinc	INCL.									
Percent Solids	91.4		—	—	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	16	B	10	32	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-009

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.00		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	120		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	3.3	B	0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	100		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.39		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.12	B	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	4.2		0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	9.2		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.1		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	120		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	150		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.6	B	0.48	2.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	3.8		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-009

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL						
4-Bromofluorobenzene	103		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	107		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : EBRD-001

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Percent Solids	7.94	---	---	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	1000	30	96	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-013

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	3.16		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	36		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	9.9		0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	89		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.35		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.13	B	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	7.5		0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	10		0.72	2.0	1	mg/L		08/14/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.9		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	36		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	100		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	2.0		0.48	2.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	5.9		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-013

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.								

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	108		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : DUPD-001

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-014

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Manganese	INCL.									
Mercury	INCL.									
Molybdenum	INCL.									
Nickel	INCL.									
Selenium	INCL.									
Silver	INCL.									
Zinc	INCL.									
Percent Solids	80.6		---	---	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	28	B	10	32	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-015

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	3.00		0.169	0.500	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	36		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	9.9		0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	140		9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.27		0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.13	B	0.088	0.40	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	7.4		0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	10		0.72	2.0	1	mg/L		08/15/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.4		0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	36		3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	92		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.8	B	0.48	2.0	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	6.3		0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-015

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.									

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	104		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	102		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	109		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : MERD-002

Matrix Type : SOIL
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-016

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Zinc	INCL.								
Percent Solids	74.8	---	---	1	%		08/05/06	SM M2540G	SM M2540G
Sulfide	80	10	32	1	mg/kg		08/08/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-017

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.169	U	0.169	0.169	1	ng/L		08/14/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Chloride	3.3	B	0.82	5.0	1	mg/L		08/10/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		08/10/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.20	1	mg/L		08/15/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	08/05/06	EPA 300.0	EPA 300.0
Nitrogen, NO3 + NO2	0.11	U	0.11	0.25	1	mg/L		08/11/06	EPA 353.2	EPA 353.2
Sulfate	0.77	U	0.77	4.0	1	mg/L		08/05/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		08/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		08/15/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	0.72	U	0.72	2.0	1	mg/L	KA	08/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	3.7	U	3.7	10	1	mg/L		08/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	20		11	20	1	mg/L		08/10/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.30	U	0.30	1.2	1	mg/L		08/05/06	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU	H	08/07/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-017

OIL & GREASE, TOTAL RECOVER - NON POLAR

Prep Date:

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Oil & Grease - Non Polar	INCL.									

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	99		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	107		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874750

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : TBKS-001

Matrix Type : WATER
Collection Date : 08/03/06
Report Date : 10/19/06
Lab Sample Number : 874750-018

BTEX

Prep Date: 08/07/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.41	U	0.41	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Ethylbenzene	0.54	U	0.54	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Toluene	0.67	U	0.67	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylene, o	0.83	U	0.83	1.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Xylenes, m + p	1.8	U	1.8	2.0	1	ug/L		08/07/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**						
4-Bromofluorobenzene	102		64	132	1	%		08/07/06	SW846 5030B	SW846 8260B
Toluene-d8	100		73	127	1	%		08/07/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	106		68	122	1	%		08/07/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
874750	W-TOC-D	All Samples	K - Sample was received unfiltered. Sample was either filtered at the time of receipt or at the time of sample preparation.
874750-	W-TOC-D	All Samples	A - Analyte is detected in the filter blank at a concentration of -0.80 ug/L.
874750-001	W-NO2-W	WBRS-001	H - Analysis performed 2 hours and 56 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-001	W-NO3-W	WBRS-001	H - Analysis performed 2 hours and 56 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-001	W-TURB-W	WBRS-001	H - Analysis performed two days past holding time.
874750-003	W-NO2-W	WBRS-002	H - Analysis performed 4 hours and 8 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-003	W-NO3-W	WBRS-002	H - Analysis performed 4 hours and 8 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-003	W-TURB-W	WBRS-002	H - Analysis performed two days past holding time.
874750-005	W-NO2-W	WBRS-003	H - Analysis performed 5 hours and 14 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-005	W-NO3-W	WBRS-003	H - Analysis performed 5 hours and 14 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-005	W-TURB-W	WBRS-003	H - Analysis performed two days past holding time.
874750-007	W-NO2-W	MBRS-001	H - Analysis performed 5 hours and 57 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-007	W-NO3-W	MBRS-001	H - Analysis performed 5 hours and 57 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-007	W-TURB-W	MBRS-001	H - Analysis performed two days past holding time.
874750-009	W-NO2-W	EBRS-001	H - Analysis performed 6 hours and 43 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-009	W-NO3-W	EBRS-001	H - Analysis performed 6 hours and 43 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-009	W-TURB-W	EBRS-001	H - Analysis performed two days past holding time.
874750-011	W-TURB-W	MERS-001	H - Analysis performed two days past holding time.
874750-013	W-NO2-W	DUPS-001	H - Analysis performed past holding time (no time on chain). Sample was run within hold time but bracketing CCV was out of control.
874750-013	W-NO3-W	DUPS-001	H - Analysis performed past holding time (no time on chain). Sample was run within hold time but bracketing CCV was out of control.
874750-013	W-TURB-W	DUPS-001	H - Analysis performed two days past holding time.
874750-015	W-TURB-W	MERS-002	H - Analysis performed two days past holding time.
874750-017	W-NO2-W	FBKS-001	H - Analysis performed 7 hours and 5 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-017	W-NO3-W	FBKS-001	H - Analysis performed 7 hours and 5 minutes past holding time. Sample was run within hold time but bracketing CCV was out of control.
874750-017	W-TURB-W	FBKS-001	H - Analysis performed two days past holding time.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	874750-001	874750-002	874750-003	874750-004	874750-005	874750-006	874750-007	874750-008	874750-009	874750-010	874750-013	874750-014	874750-015	874750-016	874750-017	874750-018
ALKALINITY, BICARB/CARB/TOTAL	B		B		B		B		B		B		B		B	
ALUMINUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
ANTIMONY	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
ARSENIC	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
BARIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
BERYLLIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
BORON	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
BTEX	G		G		G		G		G		G		G		G	G
CADMIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
CALCIUM	M		M		M		M		M		M		M		M	
CHLORIDE	B		B		B		B		B		B		B		B	
CHROMIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
COBALT	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
COD	B		B		B		B		B		B		B		B	
COPPER	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
FLUORIDE	B		B		B		B		B		B		B		B	
HARDNESS	M		M		M		M		M		M		M		M	
IRON	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
LEAD	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
LITHIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
MAGNESIUM	M		M		M		M		M		M		M		M	
MANGANESE	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
MERCURY		M		M		M		M		M		M		M		
MERCURY - LOW LEVEL	K		K		K		K		K		K		K		K	
MOLYBDENUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
NICKEL	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
NITROGEN, AMMONIA	B		B		B		B		B		B		B		B	
NITROGEN, NITRATE	B		B		B		B		B		B		B		B	
NITROGEN, NITRITE	B		B		B		B		B		B		B		B	
NITROGEN, NO3 + NO2	B		B		B		B		B		B		B		B	
OIL & GREASE, TOTAL RECOVER - N	M		M		M		M		M		M		M		M	
PERCENT SOLIDS		B		B		B		B		B		B		B		
POTASSIUM	M		M		M		M		M		M		M		M	
SAS	W		W		W		W		W		W		W		W	
SELENIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
SILVER	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
SODIUM	M		M		M		M		M		M		M		M	
SOLIDS, TOTAL DISSOLVED	B		B		B		B		B		B		B		B	
SOLIDS, TOTAL SUSPENDED	B		B		B		B		B		B		B		B	
SULFATE	B		B		B		B		B		B		B		B	
SULFIDE	B	C	B	C	B	C	B	C	B	C	B	C	B	C	B	

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	874750-001	874750-002	874750-003	874750-004	874750-005	874750-006	874750-007	874750-008	874750-009	874750-010	874750-013	874750-014	874750-015	874750-016	874750-017	874750-018
TOC AS NPOC	K		K		K		K		K		K		K		K	
TOC AS NPOC - DISSOLVED	K		K		K		K		K		K		K		K	
TURBIDITY	B		B		B		B		B		B		B		B	
ZINC	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: VOA
QC Batch Number: 13344
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog1960-62MB	vog1960-62MB
LCS	vog1960-62LCS	vog1960-62LCS
LCSD	vog1960-62LCSD	vog1960-62LCSD
MS	874757-001MS	874757-001MS

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB
TBKS-001	874750-018	MB			

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result		Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene		<	0.41	50.0	55.9	112		50.0	56.4	113		0.9		75	125	20	874757-001		<	0.41	50.0	55.6	111		---	---	---		---		70	130	30
Ethylbenzene		<	0.54	50.0	53.7	107		50.0	53.6	107		0.2		75	125	20	874757-001		<	0.54	50.0	52.8	106		---	---	---		---		70	136	30
Toluene		<	0.67	50.0	51.8	104		50.0	51.2	102		1.2		75	125	20	874757-001		<	0.67	50.0	50.7	101		---	---	---		---		70	130	30
Xylene, o		<	0.83	50.0	53.7	107		50.0	53.2	106		0.8		75	125	20	874757-001		<	0.83	50.0	52.7	105		---	---	---		---		70	130	30
Xylenes, m + p		<	1.8	100.0	106.9	107		100.0	106.2	106		0.7		75	125	20	874757-001		<	1.8	100.0	105.7	106		---	---	---		---		70	137	30
4-Bromofluorobenzene			103%	---	---	105		---	---	104		---		64	132	---	874757-001			103%	---	---	104		---	---	---		---		64	132	---
Toluene-d8			100%	---	---	102		---	---	101		---		73	127	---	874757-001			99%	---	---	101		---	---	---		---		73	127	---
Dibromofluoromethane			106%	---	---	103		---	---	105		---		68	122	---	874757-001			106%	---	---	105		---	---	---		---		68	122	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13344

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13350
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1929-090MB	WCG1929-090MB
LCS	WCG1929-090MBLCS	WCG1929-090MBLCS
DUP	874750-011DUP	874750-011DUP
DUP	WBRS-001DUP	874750-001DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	129.0	134	103.9		—	—	—		—		80	120	10	874750-001		4.400	—	—	—		—	—	—		—		—	—	—
Total Suspended Solids	<	0.24	129.0	134	103.9		—	—	—		—		80	120	10	874750-011		1.750	—	—	—		—	—	—		—		—	—	—

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13350

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13378
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-017MB	WCG1919-017MB
LCS	WCG1919-017MBLCS	WCG1919-017MBLCS
LCSD	WCG1919-017MBLCSD	WCG1919-017MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfide	<	2.5	42.0	45.2	107.6		42.0	46.8	111.4		3.5		80	120	20	---		---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13378

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13484
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1961-019MB	WCG1961-019MB
LCS	WCG1961-019LCS	WCG1961-019LCS
MS	WBRS-001MS	874750-001MS
MS	874743-008MS	874743-008MS
MSD	WBRS-001MSD	874750-001MSD
MSD	874743-008MSD	874743-008MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	<	0.82	20.0	18	90.0		---	---	---		---		90	110	20	874743-008		14.4	20.0	31.8	86.6	N	20.0	31.7	86.2	N	0.3		90	110	20
Fluoride	<	0.096	2.0	1.9	93.5		---	---	---		---		90	110	20	874743-008		0.69	2.0	2.5	89.5		2.0	2.5	90.0		0.4		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.6	100.0		---	---	---		---		90	110	20	874743-008		0.20	1.6	1.6	86.9	N	1.6	1.6	87.5	N	0.6		90	110	20
Sulfate	<	0.77	16.0	15.2	95.1		---	---	---		---		90	110	20	874743-008		20.2	16.0	35.4	95.3		16.0	34.8	91.3		1.8		90	110	20
Chloride	<	0.82	20.0	18	90.0		---	---	---		---		90	110	20	874750-001		8.23	20.0	24.5	81.3	N	20.0	24.7	82.3	N	0.8		90	110	20
Fluoride	<	0.096	2.0	1.9	93.5		---	---	---		---		90	110	20	874750-001	<	0.096	2.0	1.8	92.0		2.0	1.8	92.5		0.5		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.6	100.0		---	---	---		---		90	110	20	874750-001		0.12	1.6	1.6	91.2		1.6	1.6	92.5		1.3		90	110	20
Nitrogen, Nitrite	<	0.04	0.80	0.87	108.8		---	---	---		---		90	110	20	874750-001	<	0.04	0.80	0.88	110.0		0.80	0.88	110.0		0.0		90	110	20
Sulfate	<	0.77	16.0	15.2	95.1		---	---	---		---		90	110	20	874750-001		4.98	16.0	18.7	85.7	N	16.0	18.8	86.7	N	0.9		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13484

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13493
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1962-016MB	WCG1962-016MB
LCS	WCG1962-016MBLCS	WCG1962-016MBLCS
DUP	WBRS-002DUP	874750-003DUP
DUP	874743-002DUP	874743-002DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Dissolved Solids	<	11	855.0	866	101.3		---	---	---		---		80	120	10	874743-002		145400	---	---	---		---	---	---		---		---	---	---
Total Dissolved Solids	<	11	855.0	866	101.3		---	---	---		---		80	120	10	874750-003		120.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13493

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13494
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1928-032MB	WCG1928-032MB
LCS	WCG1928-032MBLCS	WCG1928-032MBLCS
MS	874801-002MS	874801-002MS
MS	WBRS-001MS	874750-001MS
MSD	874801-002MSD	874801-002MSD
MSD	WBRS-001MSD	874750-001MSD

Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB
WBRS-003	874750-005	MB
EBRS-001	874750-009	MB
MERS-002	874750-015	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-002	874750-003	MB
MBRS-001	874750-007	MB
DUPS-001	874750-013	MB
FBKS-001	874750-017	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	874750-001		143.3	166.7	305	97.0		166.7	301.6	95.0		1.1		90	110	10
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	874801-002		55.79	166.7	217.4	97.0		166.7	237.6	109.1		8.9		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13494

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13505
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	wcg1919-018mb	wcg1919-018mb
LCS	wcg1919-018mbLCS	wcg1919-018mbLCS
MS	WBRS-001MS	874750-001MS
MSD	WBRS-001MSD	874750-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	<	3.7	12.60	12.8	101.9		---	---	---		---		80	120	20	874750-001		10.70	100.0	109.1	98.4		100.0	109.1	98.4		0.0		80	120	20
Carbonate Alkalinity	<	3.7	---	---	---		---	---	---		---		---	---	---	874750-001	<	3.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	<	3.7	12.60	12.8	101.9		---	---	---		---		80	120	20	874750-001		10.70	100.0	109.1	98.4		100.0	109.1	98.4		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13505

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13508
Prep Method: EPA 353.2
Analytical Method: EPA 353.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1946-013MB	WCG1946-013MB
LCS	WCG1946-013MBLCS	WCG1946-013MBLCS
MS	874898-002MS	874898-002MS
MS	FBKS-001MS	874750-017MS
MSD	874898-002MSD	874898-002MSD
MSD	FBKS-001MSD	874750-017MSD

Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB
WBRS-003	874750-005	MB
EBRS-001	874750-009	MB
MERS-002	874750-015	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-002	874750-003	MB
MBRS-001	874750-007	MB
DUPS-001	874750-013	MB
FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, NO3 + NO2	<	0.11	2.5	2.5	101.9		---	---	---		---		90	110	20	874750-017	<	0.11	2.5	2.5	98.6		2.5	2.4	98.0		0.7		90	110	20
Nitrogen, NO3 + NO2	<	0.11	2.5	2.5	101.9		---	---	---		---		90	110	20	874898-002		4.8	5.0	9.1	86.0	N	5.0	9.1	85.5	N	0.3		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13508

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 874750
Lab Section: WETCHEM-K
QC Batch Number: 13536
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-067MB	WCK0961-067MB
LCS	WCK0961-067MBLCS	WCK0961-067MBLCS
MS	WBRS-001MS	874750-001MS
MS	874673-006MS	874673-006MS
MSD	WBRS-001MSD	874750-001MSD
MSD	874673-006MSD	874673-006MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	96.7	96.7		---	---	---		---		80	120	20	874673-006		5.457	100.0	107	101.6		100.0	109.3	103.8		2.1		80	120	20
TOC as NPOC	<	0.72	100.0	96.7	96.7		---	---	---		---		80	120	20	874750-001		34.00	100.0	135.8	101.8		100.0	135.9	101.9		0.1		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13536

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: METALS-K
QC Batch Number: 13565
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0956-076	MBMTK0956-076
IPR	IPRWMTK0956-076	IPRWMTK0956-076
OPR	OPRWMTK0956-076	OPRWMTK0956-076
MS	874756-002MS	874756-002MS
MS	874755-002MS	874755-002MS
MSD	874756-002MSD	874756-002MSD
MSD	874755-002MSD	874755-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.169	0	—	—		—	—	—		---		---	---	---	874756-002	875.16	1000.0	1896	102.1		1000.0	1891.4	101.6		0.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13565

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM-K
QC Batch Number: 13567
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-068MB	WCK0961-068MB
LCS	WCK0961-068MBLCS	WCK0961-068MBLCS
MS	874941-001MS	874941-001MS
MS	874920-001MS	874920-001MS
MSD	874941-001MSD	874941-001MSD
MSD	874920-001MSD	874920-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-002	874750-015	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	874750-017	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result		Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC		<	0.72	100.0	91.7	91.7		---	---	---		---		80	120	20	874920-001		<	0.72	100.0	103.6	103.6		100.0	100.3	100.3		3.3		80	120	20
TOC as NPOC		<	0.72	100.0	91.7	91.7		---	---	---		---		80	120	20	874941-001		<	0.72	100.0	102.6	102.6		100.0	102.9	102.9		0.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13567

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM
QC Batch Number: 13570
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1946-017MB	WCG1946-017MB
LCS	WCG1946-017MBLCS	WCG1946-017MBLCS
MS	874841-001MS	874841-001MS
MS	WBRS-001MS	874750-001MS
MSD	874841-001MSD	874841-001MSD
MSD	WBRS-001MSD	874750-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB	WBRS-002	874750-003	MB
WBRS-003	874750-005	MB	MBRS-001	874750-007	MB
EBRS-001	874750-009	MB	DUPS-001	874750-013	MB
MERS-002	874750-015	MB	FBKS-001	874750-017	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	<		0.2	10	9.6	96.3		—	—	—		---		90	110	20	874750-001		0.85	10	9	81.9	N	10	8.7	78.8	N	3.5		90	110	20
Nitrogen, Ammonia	<		0.2	10.0	9.6	96.3		—	—	—		---		90	110	20	874841-001		0.337	10.0	10.7	103.4		10.0	10.7	103.4		0.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13570

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 874750
Lab Section: WETCHEM-K
QC Batch Number: 13582
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCK0961-069MB	WCK0961-069MB
LCS	WCK0961-069MBLCS	WCK0961-069MBLCS
MS	WBRS-003MS	874750-005MS
MS	874679-001MS	874679-001MS
MSD	WBRS-003MSD	874750-005MSD
MSD	874679-001MSD	874679-001MSD

Client Sample ID	Lab Sample ID	MB ID
WBRS-001	874750-001	MB
WBRS-003	874750-005	MB
EBRS-001	874750-009	MB
MERS-002	874750-015	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-002	874750-003	MB
MBRS-001	874750-007	MB
DUPS-001	874750-013	MB
FBKS-001	874750-017	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	93.7	93.7		—	—	—		—		80	120	20	874679-001	<	0.72	100.0	101.9	101.9		100.0	104.3	104.3		2.4		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	93.7	93.7		—	—	—		—		80	120	20	874750-005		13.88	100.0	111.9	98.0		100.0	112.3	98.5		0.4		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/23/2006
QC Batch Number: 13582

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October 18, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Lab ID	Sample ID	Matrix	Date Collected	Date Received
874750001	WBRS-001	Water	08/03/06 00:00	08/08/06 09:15
874750003	WBRS-002	Water	08/03/06 00:00	08/08/06 09:15
874750005	WBRS-003	Water	08/03/06 00:00	08/08/06 09:15
874750007	MBRS-001	Water	08/03/06 00:00	08/08/06 09:15
874750009	EBRS-001	Water	08/03/06 00:00	08/08/06 09:15
874750013	DUPS-001	Water	08/03/06 00:00	08/08/06 09:15
874750015	MERS-002	Water	08/03/06 00:00	08/08/06 09:15
874750017	FBKS	Water	08/03/06 00:00	08/08/06 09:15

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SAMPLE ANALYTE COUNT

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Lab ID	Sample ID	Method	Analytes Reported
874750001	WBRS-001	EPA 1664 TPH	1
		EPA 6020	24
874750003	WBRS-002	EPA 1664 TPH	1
		EPA 6020	24
874750005	WBRS-003	EPA 1664 TPH	1
		EPA 6020	24
874750007	MBRS-001	EPA 1664 TPH	1
		EPA 6020	24
874750009	EBRS-001	EPA 1664 TPH	1
		EPA 6020	24
874750013	DUPS-001	EPA 1664 TPH	1
		EPA 6020	24
874750015	MERS-002	EPA 1664 TPH	1
		EPA 6020	24
874750017	FBKS	EPA 1664 TPH	1
		EPA 6020	24

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: WBRS-001 **Lab ID: 874750001** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**300**	ug/L	8.0	2.4	5	08/08/06 00:00	08/09/06 16:27	7429-90-5	
Antimony	**0.064J**	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 16:23	7440-36-0	
Arsenic	**1.8**	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 16:23	7440-38-2	
Barium	**11.8**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 16:23	7440-39-3	
Beryllium	**0.022J**	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 16:23	7440-41-7	
Boron	**7.6**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 16:23	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 16:23	7440-43-9	
Calcium	**4850**	ug/L	30.0	9.0	5	08/08/06 00:00	08/09/06 16:27	7440-70-2	
Chromium	**0.86**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 16:23	7440-47-3	
Cobalt	**0.42**	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 16:23	7440-48-4	
Copper	**0.98**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 16:23	7440-50-8	
Iron	**2370**	ug/L	105	31.5	5	08/08/06 00:00	08/09/06 16:27	7439-89-6	
Lead	**0.89**	ug/L	0.10	0.030	1	08/08/06 00:00	08/10/06 20:49	7439-92-1	
Lithium	**0.70**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 16:23	7439-93-2	
Magnesium	**1900**	ug/L	1.3	0.38	1	08/08/06 00:00	08/09/06 16:23	7439-95-4	
Manganese	**113**	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 16:23	7439-96-5	
Molybdenum	**0.11**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 16:23	7439-98-7	
Nickel	**1.2**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 16:23	7440-02-0	
Potassium	**288**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 16:23	7440-09-7	
Selenium	**0.17J**	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 16:23	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 20:49	7440-22-4	
Sodium	**3970**	ug/L	55.0	17.0	5	08/08/06 00:00	08/09/06 16:27	7440-23-5	
Total Hardness by 2340B	**19900**	ug/L	590	178	5	08/08/06 00:00	08/09/06 16:27		
Zinc	**9.0**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 16:23	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: WBRS-002 **Lab ID: 874750003** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**34.3**	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 16:43	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 16:43	7440-36-0	
Arsenic	**5.6**	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 16:43	7440-38-2	
Barium	**10.8**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 16:43	7440-39-3	
Beryllium	**0.022J**	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 16:43	7440-41-7	
Boron	**17.6**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 16:43	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 16:43	7440-43-9	
Calcium	**7930**	ug/L	30.0	9.0	5	08/08/06 00:00	08/09/06 16:47	7440-70-2	
Chromium	**0.27J**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 16:43	7440-47-3	
Cobalt	**0.50**	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 16:43	7440-48-4	
Copper	**0.55**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 16:43	7440-50-8	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: WBRS-002 Lab ID: 874750003 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**5160**	ug/L	105	31.5	5	08/08/06 00:00	08/09/06 16:47	7439-89-6	
Lead	**0.12**	ug/L	0.10	0.030	1	08/08/06 00:00	08/10/06 20:53	7439-92-1	
Lithium	**1.4**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 16:43	7439-93-2	
Magnesium	**4100**	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 16:47	7439-95-4	
Manganese	**429**	ug/L	0.80	0.24	5	08/08/06 00:00	08/09/06 16:47	7439-96-5	
Molybdenum	**0.41**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 16:43	7439-98-7	
Nickel	**1.4**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 16:43	7440-02-0	
Potassium	**1380**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 16:43	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 16:43	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 20:53	7440-22-4	
Sodium	**16600**	ug/L	550	170	50	08/08/06 00:00	08/09/06 16:51	7440-23-5	
Total Hardness by 2340B	**36700**	ug/L	590	178	5	08/08/06 00:00	08/09/06 16:47		
Zinc	**3.8**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 16:43	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: WBRS-003 Lab ID: 874750005 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**25.5**	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 17:04	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 17:04	7440-36-0	
Arsenic	**3.1**	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 17:04	7440-38-2	
Barium	**15.3**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 17:04	7440-39-3	
Beryllium	**0.020J**	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:04	7440-41-7	
Boron	**24.7**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 17:04	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:04	7440-43-9	
Calcium	**14700**	ug/L	300	90.0	50	08/08/06 00:00	08/09/06 17:12	7440-70-2	
Chromium	**0.28J**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 17:04	7440-47-3	
Cobalt	**0.60**	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 17:04	7440-48-4	
Copper	**0.23**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 17:04	7440-50-8	
Iron	**10800**	ug/L	105	31.5	5	08/08/06 00:00	08/09/06 17:08	7439-89-6	
Lead	**0.064J**	ug/L	0.10	0.030	1	08/08/06 00:00	08/09/06 17:04	7439-92-1	
Lithium	**1.9**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 17:04	7439-93-2	
Magnesium	**6170**	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 17:08	7439-95-4	
Manganese	**1100**	ug/L	8.0	2.4	50	08/08/06 00:00	08/09/06 17:12	7439-96-5	
Molybdenum	**0.20**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 17:04	7439-98-7	
Nickel	**1.0**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 17:04	7440-02-0	
Potassium	**632**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 17:04	7440-09-7	
Selenium	**0.13J**	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 17:04	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:05	7440-22-4	
Sodium	**8240**	ug/L	55.0	17.0	5	08/08/06 00:00	08/09/06 17:08	7440-23-5	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: WBRS-003 **Lab ID: 874750005** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Total Hardness by 2340B	**62100**	ug/L	5900	1780	50	08/08/06 00:00	08/09/06 17:12		
Zinc	**5.4**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 17:04	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: MBRS-001 **Lab ID: 874750007** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**11.6**	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 17:36	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 17:36	7440-36-0	
Arsenic	**0.83**	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 17:36	7440-38-2	
Barium	**6.8**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 17:36	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:36	7440-41-7	
Boron	**17.9**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 17:36	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:36	7440-43-9	
Calcium	**14500**	ug/L	300	90.0	50	08/08/06 00:00	08/09/06 17:44	7440-70-2	
Chromium	**0.13J**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 17:36	7440-47-3	
Cobalt	**0.12**	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 17:36	7440-48-4	
Copper	**0.19**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 17:36	7440-50-8	
Iron	**1600**	ug/L	21.0	6.3	1	08/08/06 00:00	08/09/06 17:36	7439-89-6	
Lead	**0.046J**	ug/L	0.10	0.030	1	08/08/06 00:00	08/09/06 17:36	7439-92-1	
Lithium	**1.5**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 17:36	7439-93-2	
Magnesium	**6330**	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 17:40	7439-95-4	
Manganese	**128**	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 17:36	7439-96-5	
Molybdenum	**1.1**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 17:36	7439-98-7	
Nickel	**0.58**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 17:36	7440-02-0	
Potassium	**877**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 17:36	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 17:36	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:09	7440-22-4	
Sodium	**6600**	ug/L	55.0	17.0	5	08/08/06 00:00	08/09/06 17:40	7440-23-5	
Total Hardness by 2340B	**62300**	ug/L	5900	1780	50	08/08/06 00:00	08/09/06 17:44		
Zinc	**2.7**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 17:36	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: EBRS-001 Lab ID: 874750009 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	21.8	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 17:48	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 17:48	7440-36-0	
Arsenic	1.0	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 17:48	7440-38-2	
Barium	11.5	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 17:48	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:48	7440-41-7	
Boron	22.5	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 17:48	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 17:48	7440-43-9	
Calcium	26700	ug/L	300	90.0	50	08/08/06 00:00	08/09/06 17:56	7440-70-2	
Chromium	0.12J	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 17:48	7440-47-3	
Cobalt	0.11	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 17:48	7440-48-4	
Copper	0.24	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 17:48	7440-50-8	
Iron	1120	ug/L	21.0	6.3	1	08/08/06 00:00	08/09/06 17:48	7439-89-6	
Lead	0.049J	ug/L	0.10	0.030	1	08/08/06 00:00	08/09/06 17:48	7439-92-1	
Lithium	1.6	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 17:48	7439-93-2	
Magnesium	10700	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 17:52	7439-95-4	
Manganese	161	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 17:48	7439-96-5	
Molybdenum	2.6	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 17:48	7439-98-7	
Nickel	1.0	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 17:48	7440-02-0	
Potassium	1530	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 17:48	7440-09-7	
Selenium	0.12J	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 17:48	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:34	7440-22-4	
Sodium	2160	ug/L	11.0	3.4	1	08/08/06 00:00	08/09/06 17:48	7440-23-5	
Total Hardness by 2340B	111000	ug/L	5900	1780	50	08/08/06 00:00	08/09/06 17:56		
Zinc	2.6	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 17:48	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: DUPS-001 Lab ID: 874750013 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	41.7	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 18:53	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 18:53	7440-36-0	
Arsenic	2.0	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 18:53	7440-38-2	
Barium	9.2	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 18:53	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 18:53	7440-41-7	
Boron	9.3	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 18:53	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 18:53	7440-43-9	
Calcium	11400	ug/L	30.0	9.0	5	08/08/06 00:00	08/09/06 18:57	7440-70-2	
Chromium	0.28J	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 18:53	7440-47-3	
Cobalt	0.22	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 18:53	7440-48-4	
Copper	0.46	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 18:53	7440-50-8	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: DUPS-001 Lab ID: 874750013 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**2360**	ug/L	21.0	6.3	1	08/08/06 00:00	08/09/06 18:53	7439-89-6	
Lead	**0.17**	ug/L	0.10	0.030	1	08/08/06 00:00	08/10/06 21:38	7439-92-1	
Lithium	**0.76**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 18:53	7439-93-2	
Magnesium	**3180**	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 18:57	7439-95-4	
Manganese	**65.4**	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 18:53	7439-96-5	
Molybdenum	**0.35**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 18:53	7439-98-7	
Nickel	**0.67**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 18:53	7440-02-0	
Potassium	**656**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 18:53	7440-09-7	
Selenium	**0.14J**	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 18:53	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:38	7440-22-4	
Sodium	**6430**	ug/L	55.0	17.0	5	08/08/06 00:00	08/09/06 18:57	7440-23-5	
Total Hardness by 2340B	**41500**	ug/L	590	178	5	08/08/06 00:00	08/09/06 18:57		
Zinc	**4.2**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 18:53	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: MERS-002 Lab ID: 874750015 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**41.5**	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 19:05	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 19:05	7440-36-0	
Arsenic	**2.0**	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 19:05	7440-38-2	
Barium	**9.2**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 19:05	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 19:05	7440-41-7	
Boron	**9.3**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 19:05	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 19:05	7440-43-9	
Calcium	**11100**	ug/L	30.0	9.0	5	08/08/06 00:00	08/09/06 19:10	7440-70-2	
Chromium	**0.45**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 19:05	7440-47-3	
Cobalt	**0.23**	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 19:05	7440-48-4	
Copper	**0.41**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 19:05	7440-50-8	
Iron	**2370**	ug/L	21.0	6.3	1	08/08/06 00:00	08/09/06 19:05	7439-89-6	
Lead	**0.14**	ug/L	0.10	0.030	1	08/08/06 00:00	08/10/06 21:42	7439-92-1	
Lithium	**0.76**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 19:05	7439-93-2	
Magnesium	**3030**	ug/L	6.5	1.9	5	08/08/06 00:00	08/09/06 19:10	7439-95-4	
Manganese	**73.9**	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 19:05	7439-96-5	
Molybdenum	**0.33**	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 19:05	7439-98-7	
Nickel	**0.71**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 19:05	7440-02-0	
Potassium	**664**	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 19:05	7440-09-7	
Selenium	**0.18J**	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 19:05	7782-49-2	
Silver	**0.048J**	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:42	7440-22-4	
Sodium	**5060**	ug/L	55.0	17.0	5	08/08/06 00:00	08/09/06 19:10	7440-23-5	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

Sample: MERS-002 Lab ID: 874750015 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Total Hardness by 2340B	**40200**	ug/L	590	178	5	08/08/06 00:00	08/09/06 19:10		
Zinc	**6.2**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 19:05	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.0	2.3	1		08/16/06 08:27		

Sample: FBKS Lab ID: 874750017 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**2.8**	ug/L	1.6	0.49	1	08/08/06 00:00	08/09/06 19:26	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	08/08/06 00:00	08/09/06 19:26	7440-36-0	
Arsenic	ND	ug/L	0.12	0.035	1	08/08/06 00:00	08/09/06 19:26	7440-38-2	
Barium	**0.048J**	ug/L	0.11	0.033	1	08/08/06 00:00	08/09/06 19:26	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 19:26	7440-41-7	
Boron	**188**	ug/L	0.57	0.17	1	08/08/06 00:00	08/09/06 19:26	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	08/08/06 00:00	08/09/06 19:26	7440-43-9	
Calcium	**18.6**	ug/L	6.0	1.8	1	08/08/06 00:00	08/09/06 19:26	7440-70-2	
Chromium	**0.093J**	ug/L	0.30	0.091	1	08/08/06 00:00	08/09/06 19:26	7440-47-3	
Cobalt	ND	ug/L	0.029	0.0087	1	08/08/06 00:00	08/09/06 19:26	7440-48-4	
Copper	**1.7**	ug/L	0.087	0.026	1	08/08/06 00:00	08/09/06 19:26	7440-50-8	
Iron	**12.7J**	ug/L	21.0	6.3	1	08/08/06 00:00	08/09/06 19:26	7439-89-6	
Lead	**0.26**	ug/L	0.10	0.030	1	08/08/06 00:00	08/10/06 21:54	7439-92-1	
Lithium	**0.052**	ug/L	0.047	0.014	1	08/08/06 00:00	08/09/06 19:26	7439-93-2	
Magnesium	**2.3**	ug/L	1.3	0.38	1	08/08/06 00:00	08/09/06 19:26	7439-95-4	
Manganese	**0.18**	ug/L	0.16	0.047	1	08/08/06 00:00	08/09/06 19:26	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	08/08/06 00:00	08/09/06 19:26	7439-98-7	
Nickel	**0.11J**	ug/L	0.14	0.043	1	08/08/06 00:00	08/09/06 19:26	7440-02-0	
Potassium	ND	ug/L	30.0	9.1	1	08/08/06 00:00	08/09/06 19:26	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	08/08/06 00:00	08/09/06 19:26	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	08/08/06 00:00	08/10/06 21:54	7440-22-4	
Sodium	**1980**	ug/L	11.0	3.4	1	08/08/06 00:00	08/09/06 19:26	7440-23-5	
Total Hardness by 2340B	**55.7J**	ug/L	118	35.5	1	08/08/06 00:00	08/09/06 19:26		
Zinc	**5.0**	ug/L	1.0	0.30	1	08/08/06 00:00	08/09/06 19:26	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		08/16/06 08:27		

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

QC Batch: MPRP/6891
QC Batch Method: EPA 3020
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 874750001, 874750003, 874750005, 874750007, 874750009, 874750013, 874750015

METHOD BLANK: 247053
Associated Lab Samples: 874750001, 874750003, 874750005, 874750007, 874750009, 874750013, 874750015, 874750017

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.047	
Silver	ug/L	ND	0.14	
Beryllium	ug/L	ND	0.057	
Boron	ug/L	0.30J	0.57	
Sodium	ug/L	7.0J	11.0	
Magnesium	ug/L	0.64J	1.3	
Aluminum	ug/L	1.1J	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	2.7J	6.0	
Chromium	ug/L	ND	0.30	
Iron	ug/L	ND	21.0	
Manganese	ug/L	ND	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	ND	0.14	
Copper	ug/L	ND	0.087	
Zinc	ug/L	1.5	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	ND	0.11	
Lead	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 247054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	ug/L	80	72.7	91	85-115	
Lithium	ug/L	80	81.5	102	85-115	
Beryllium	ug/L	80	79.1	99	85-115	
Boron	ug/L	80	76.9	96	85-115	
Sodium	ug/L	1000	969	97	85-115	
Magnesium	ug/L	1000	959	96	85-115	
Aluminum	ug/L	80	82.7	103	85-115	
Potassium	ug/L	1000	923	92	85-115	
Calcium	ug/L	1000	935	93	85-115	
Chromium	ug/L	80	75.9	95	85-115	
Iron	ug/L	1000	931	93	85-115	
Manganese	ug/L	80	74.3	93	85-115	
Cobalt	ug/L	80	77.7	97	85-115	
Nickel	ug/L	80	78.2	98	85-115	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

LABORATORY CONTROL SAMPLE: 247054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	80	76.6	96	85-115	
Zinc	ug/L	80	76.0	95	85-115	
Arsenic	ug/L	80	74.9	94	85-115	
Selenium	ug/L	160	149	93	85-115	
Molybdenum	ug/L	80	75.6	95	85-115	
Cadmium	ug/L	80	75.4	94	85-115	
Antimony	ug/L	80	79.5	99	85-115	
Barium	ug/L	80	75.1	94	85-115	
Lead	ug/L	80	73.0	91	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247055 247056

Parameter	Units	874750001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Silver	ug/L	ND	80	80	58.9	66.5	74	83	70-130	12	20	
Lithium	ug/L	0.70	80	80	78.8	73.4	98	91	70-130	7	20	
Beryllium	ug/L	0.022J	80	80	76.8	72.0	96	90	70-130	7	20	
Boron	ug/L	7.6	80	80	94.4	78.6	109	89	70-130	18	20	
Sodium	ug/L	3970	1000	1000	4860	4540	88	57	70-130	7	20	1M
Magnesium	ug/L	1900	1000	1000	2810	2610	91	71	70-130	7	20	
Aluminum	ug/L	300	80	80	369	349	85	61	70-130	5	20	1M
Potassium	ug/L	288	1000	1000	1180	1110	89	83	70-130	5	20	
Calcium	ug/L	4850	1000	1000	5690	5280	83	42	70-130	7	20	1M
Chromium	ug/L	0.86	80	80	75.0	71.2	93	88	70-130	5	20	
Iron	ug/L	2370	1000	1000	3150	2930	78	56	70-130	7	20	1M
Manganese	ug/L	113	80	80	173	163	75	63	70-130	6	20	1M
Cobalt	ug/L	0.42	80	80	76.8	72.6	95	90	70-130	6	20	
Nickel	ug/L	1.2	80	80	76.8	72.9	95	90	70-130	5	20	
Copper	ug/L	0.98	80	80	75.8	71.4	94	88	70-130	6	20	
Zinc	ug/L	9.0	80	80	81.9	76.8	91	85	70-130	7	20	
Arsenic	ug/L	1.8	80	80	74.6	71.1	91	87	70-130	5	20	
Selenium	ug/L	0.17J	160	160	144	138	90	86	70-130	4	20	
Molybdenum	ug/L	0.11	80	80	74.1	70.0	93	87	70-130	6	20	
Cadmium	ug/L	ND	80	80	72.9	69.1	91	86	70-130	5	20	
Antimony	ug/L	0.064J	80	80	77.5	73.3	97	92	70-130	6	20	
Barium	ug/L	11.8	80	80	85.4	80.3	92	86	70-130	6	20	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

QC Batch: WET/7223 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 874750001, 874750003, 874750005, 874750007, 874750009, 874750013, 874750015, 874750017

METHOD BLANK: 249101
Associated Lab Samples: 874750001, 874750003, 874750005, 874750007, 874750009, 874750013, 874750015, 874750017

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 249102 249103

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	16.9	15.1	84	76	64-132	11	34	

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QUALIFIERS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036405

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

1M Matrix spike recovery was outside laboratory control limits due to high concentration in parent sample.

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October 10, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colin Schuft

Colin Schuft for
Cory A Higbee
Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
874750002	WBRD-001	Solid	08/03/06 00:00	08/08/06 09:15
874750004	WBRD-002	Solid	08/03/06 00:00	08/08/06 09:15
874750006	WBRD-003	Solid	08/03/06 00:00	08/08/06 09:15
874750008	MBRD-001	Solid	08/03/06 00:00	08/08/06 09:15
874750010	EBRD-001	Solid	08/03/06 00:00	08/08/06 09:15
874750012	MERD-001	Solid	08/03/06 00:00	08/08/06 09:15
874750014	DUPD-001	Solid	08/03/06 00:00	08/08/06 09:15
874750016	MERD-002	Solid	08/03/06 00:00	08/08/06 09:15

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SAMPLE ANALYTE COUNT

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Lab ID	Sample ID	Method	Analytes Reported
874750002	WBRD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750004	WBRD-002	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750006	WBRD-003	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750008	MBRD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750010	EBRD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750012	MERD-001	% Moisture	1
874750014	DUPD-001	% Moisture	1
		EPA 6020	19
		EPA 7471	1
874750016	MERD-002	% Moisture	1
		EPA 6020	19
		EPA 7471	1

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: WBRD-001 **Lab ID: 874750002** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**2130**	mg/kg	196	97.8	500	08/09/06 00:00	08/16/06 10:40	7429-90-5	
Antimony	**0.17J**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/14/06 17:22	7440-36-0	
Arsenic	**2.0**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7440-38-2	
Barium	**17.9**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7440-39-3	
Beryllium	ND	mg/kg	0.39	0.20	20	08/09/06 00:00	08/14/06 17:22	7440-41-7	
Boron	ND	mg/kg	3.9	2.0	20	08/09/06 00:00	08/14/06 17:22	7440-42-8	
Cadmium	ND	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7440-43-9	
Chromium	**6.3**	mg/kg	0.98	0.49	20	08/09/06 00:00	08/10/06 18:47	7440-47-3	
Cobalt	**1.1**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7440-48-4	
Copper	**3.4**	mg/kg	0.78	0.39	20	08/09/06 00:00	08/10/06 18:47	7440-50-8	
Iron	**4610**	mg/kg	245	122	50	08/09/06 00:00	08/15/06 21:41	7439-89-6	
Lead	**6.9**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7439-92-1	
Lithium	**2.4**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7439-93-2	
Manganese	**59.6**	mg/kg	0.98	0.49	20	08/09/06 00:00	08/10/06 18:47	7439-96-5	
Molybdenum	**0.29**	mg/kg	0.20	0.098	20	08/09/06 00:00	08/10/06 18:47	7439-98-7	
Nickel	**4.7**	mg/kg	0.39	0.20	20	08/09/06 00:00	08/10/06 18:47	7440-02-0	
Selenium	ND	mg/kg	0.98	0.49	20	08/09/06 00:00	08/10/06 18:47	7782-49-2	
Silver	**0.33J**	mg/kg	0.39	0.20	20	08/09/06 00:00	08/10/06 18:47	7440-22-4	
Zinc	**12.7**	mg/kg	9.8	4.9	20	08/09/06 00:00	08/10/06 18:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.030J**	mg/kg	0.034	0.017	1	08/10/06 00:00	08/11/06 09:16	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**50.9**	%	0.10	0.10	1		08/09/06 00:00		

Sample: WBRD-002 **Lab ID: 874750004** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**4700**	mg/kg	462	231	2500	08/09/06 00:00	08/14/06 17:42	7429-90-5	
Antimony	**0.14**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/14/06 17:34	7440-36-0	
Arsenic	**11.2**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7440-38-2	
Barium	**12.7**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7440-39-3	
Beryllium	**0.27**	mg/kg	0.18	0.092	20	08/09/06 00:00	08/14/06 17:34	7440-41-7	
Boron	**2.0**	mg/kg	1.8	0.92	20	08/09/06 00:00	08/14/06 17:34	7440-42-8	
Cadmium	ND	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7440-43-9	
Chromium	**9.1**	mg/kg	0.46	0.23	20	08/09/06 00:00	08/10/06 18:55	7440-47-3	
Cobalt	**4.0**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7440-48-4	
Copper	**9.1**	mg/kg	0.37	0.18	20	08/09/06 00:00	08/10/06 18:55	7440-50-8	
Iron	**19800**	mg/kg	1150	577	500	08/09/06 00:00	08/14/06 17:38	7439-89-6	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: WBRD-002 Lab ID: 874750004 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lead	**2.3**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7439-92-1	
Lithium	**6.2**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7439-93-2	
Manganese	**164**	mg/kg	0.46	0.23	20	08/09/06 00:00	08/10/06 18:55	7439-96-5	
Molybdenum	**0.84**	mg/kg	0.092	0.046	20	08/09/06 00:00	08/10/06 18:55	7439-98-7	
Nickel	**13.7**	mg/kg	0.18	0.092	20	08/09/06 00:00	08/10/06 18:55	7440-02-0	
Selenium	ND	mg/kg	0.46	0.23	20	08/09/06 00:00	08/10/06 18:55	7782-49-2	
Silver	**0.11J**	mg/kg	0.18	0.092	20	08/09/06 00:00	08/10/06 18:55	7440-22-4	
Zinc	**17.3**	mg/kg	4.6	2.3	20	08/09/06 00:00	08/10/06 18:55	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.011	1	08/10/06 00:00	08/11/06 09:23	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**17.3**	%	0.10	0.10	1		08/09/06 00:00		

Sample: WBRD-003 Lab ID: 874750006 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**8100**	mg/kg	496	248	2500	08/09/06 00:00	08/15/06 21:07	7429-90-5	
Antimony	**0.12**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/14/06 17:46	7440-36-0	
Arsenic	**8.6**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7440-38-2	
Barium	**17.0**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7440-39-3	
Beryllium	**0.25**	mg/kg	0.20	0.099	20	08/09/06 00:00	08/14/06 17:46	7440-41-7	
Boron	**2.0**	mg/kg	2.0	0.99	20	08/09/06 00:00	08/14/06 17:46	7440-42-8	
Cadmium	ND	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7440-43-9	
Chromium	**20.4**	mg/kg	0.50	0.25	20	08/09/06 00:00	08/10/06 19:07	7440-47-3	
Cobalt	**4.8**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7440-48-4	
Copper	**16.2**	mg/kg	0.40	0.20	20	08/09/06 00:00	08/10/06 19:07	7440-50-8	
Iron	**25200**	mg/kg	620	310	250	08/09/06 00:00	08/15/06 21:03	7439-89-6	
Lead	**2.8**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7439-92-1	
Lithium	**11.6**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7439-93-2	
Manganese	**186**	mg/kg	0.50	0.25	20	08/09/06 00:00	08/10/06 19:07	7439-96-5	
Molybdenum	**1.1**	mg/kg	0.099	0.050	20	08/09/06 00:00	08/10/06 19:07	7439-98-7	
Nickel	**19.8**	mg/kg	0.20	0.099	20	08/09/06 00:00	08/10/06 19:07	7440-02-0	
Selenium	ND	mg/kg	0.50	0.25	20	08/09/06 00:00	08/10/06 19:07	7782-49-2	
Silver	**0.10J**	mg/kg	0.20	0.099	20	08/09/06 00:00	08/10/06 19:07	7440-22-4	
Zinc	**40.6**	mg/kg	5.0	2.5	20	08/09/06 00:00	08/10/06 19:07	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.024	0.012	1	08/10/06 00:00	08/11/06 09:25	7439-97-6	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: WBRD-003 Lab ID: 874750006 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**25.8**	%	0.10	0.10	1		08/09/06 00:00		

Sample: MBRD-001 Lab ID: 874750008 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**3250**	mg/kg	1070	537	5000	08/09/06 00:00	08/14/06 18:23	7429-90-5	
Antimony	**3.0**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/15/06 20:16	7440-36-0	
Arsenic	**16.8**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7440-38-2	
Barium	**27.6**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7440-39-3	
Beryllium	ND	mg/kg	0.21	0.11	20	08/09/06 00:00	08/15/06 20:16	7440-41-7	
Boron	**1.5J**	mg/kg	2.1	1.1	20	08/09/06 00:00	08/15/06 20:16	7440-42-8	
Cadmium	ND	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7440-43-9	
Chromium	**17.1**	mg/kg	0.54	0.27	20	08/09/06 00:00	08/10/06 19:16	7440-47-3	
Cobalt	**8.0**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7440-48-4	
Copper	**33.6**	mg/kg	0.43	0.21	20	08/09/06 00:00	08/10/06 19:16	7440-50-8	
Iron	**166000**	mg/kg	13400	6710	5000	08/09/06 00:00	08/14/06 18:23	7439-89-6	
Lead	**66.8**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7439-92-1	
Lithium	**3.9**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7439-93-2	
Manganese	**1570**	mg/kg	134	67.1	5000	08/09/06 00:00	08/14/06 18:23	7439-96-5	
Molybdenum	**1.7**	mg/kg	0.11	0.054	20	08/09/06 00:00	08/10/06 19:16	7439-98-7	
Nickel	**14.1**	mg/kg	0.21	0.11	20	08/09/06 00:00	08/10/06 19:16	7440-02-0	
Selenium	ND	mg/kg	0.54	0.27	20	08/09/06 00:00	08/10/06 19:16	7782-49-2	
Silver	ND	mg/kg	0.21	0.11	20	08/09/06 00:00	08/10/06 19:16	7440-22-4	
Zinc	**15.4**	mg/kg	5.4	2.7	20	08/09/06 00:00	08/10/06 19:16	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.011	1	08/10/06 00:00	08/11/06 09:22	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**26.1**	%	0.10	0.10	1		08/09/06 00:00		

Sample: EBRD-001 Lab ID: 874750010 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**8180**	mg/kg	602	301	250	08/09/06 00:00	08/15/06 20:33	7429-90-5	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: EBRD-001 **Lab ID: 874750010** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Antimony	**1.2**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/15/06 20:25	7440-36-0	
Arsenic	**56.9**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7440-38-2	
Barium	**115**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7440-39-3	
Beryllium	**1.3J**	mg/kg	2.4	1.2	20	08/09/06 00:00	08/15/06 20:25	7440-41-7	
Boron	**18.1J**	mg/kg	24.1	12.0	20	08/09/06 00:00	08/15/06 20:25	7440-42-8	
Cadmium	**ND**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7440-43-9	
Chromium	**23.5**	mg/kg	6.0	3.0	20	08/09/06 00:00	08/10/06 19:48	7440-47-3	
Cobalt	**10.7**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7440-48-4	
Copper	**27.5**	mg/kg	4.8	2.4	20	08/09/06 00:00	08/10/06 19:48	7440-50-8	
Iron	**56600**	mg/kg	7520	3760	250	08/09/06 00:00	08/15/06 20:33	7439-89-6	
Lead	**23.3**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7439-92-1	
Lithium	**5.6**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/15/06 20:25	7439-93-2	
Manganese	**1030**	mg/kg	6.0	3.0	20	08/09/06 00:00	08/15/06 20:25	7439-96-5	
Molybdenum	**5.2**	mg/kg	1.2	0.60	20	08/09/06 00:00	08/10/06 19:48	7439-98-7	
Nickel	**46.4**	mg/kg	2.4	1.2	20	08/09/06 00:00	08/10/06 19:48	7440-02-0	
Selenium	**3.6J**	mg/kg	6.0	3.0	20	08/09/06 00:00	08/10/06 19:48	7782-49-2	
Silver	**5.8**	mg/kg	2.4	1.2	20	08/09/06 00:00	08/10/06 19:48	7440-22-4	
Zinc	**103**	mg/kg	60.2	30.1	20	08/09/06 00:00	08/10/06 19:48	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.30**	mg/kg	0.27	0.14	1	08/10/06 00:00	08/11/06 09:28	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**92.8**	%	0.10	0.10	1		08/08/06 00:00		

Sample: MERD-001 **Lab ID: 874750012** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method: % Moisture								
Percent Moisture	**24.8**	%	0.10	0.10	1		08/08/06 00:00		

Sample: DUPD-001 **Lab ID: 874750014** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**3400**	mg/kg	117	58.5	500	08/09/06 00:00	08/15/06 20:46	7429-90-5	
Antimony	**0.30**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/15/06 20:37	7440-36-0	

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Minneapolis, MN 55414
Phone: (612)607-1700
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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: DUPD-001 Lab ID: 874750014 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**9.6**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7440-38-2	
Barium	**14.7**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7440-39-3	
Beryllium	**0.16J**	mg/kg	0.23	0.12	20	08/09/06 00:00	08/15/06 20:37	7440-41-7	
Boron	**2.6**	mg/kg	2.3	1.2	20	08/09/06 00:00	08/15/06 20:37	7440-42-8	
Cadmium	ND	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7440-43-9	
Chromium	**51.0**	mg/kg	0.58	0.29	20	08/09/06 00:00	08/10/06 20:00	7440-47-3	
Cobalt	**3.9**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7440-48-4	
Copper	**24.3**	mg/kg	0.47	0.23	20	08/09/06 00:00	08/10/06 20:00	7440-50-8	
Iron	**33300**	mg/kg	1460	731	500	08/09/06 00:00	08/15/06 20:46	7439-89-6	
Lead	**3.4**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7439-92-1	
Lithium	**5.0**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/15/06 20:37	7439-93-2	
Manganese	**385**	mg/kg	14.6	7.3	500	08/09/06 00:00	08/15/06 20:46	7439-96-5	
Molybdenum	**2.9**	mg/kg	0.12	0.058	20	08/09/06 00:00	08/10/06 20:00	7439-98-7	
Nickel	**28.9**	mg/kg	0.23	0.12	20	08/09/06 00:00	08/10/06 20:00	7440-02-0	
Selenium	ND	mg/kg	0.58	0.29	20	08/09/06 00:00	08/10/06 20:00	7782-49-2	
Silver	ND	mg/kg	0.23	0.12	20	08/09/06 00:00	08/10/06 20:00	7440-22-4	
Zinc	**21.7**	mg/kg	5.8	2.9	20	08/09/06 00:00	08/10/06 20:00	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.010	1	08/10/06 00:00	08/11/06 09:29	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**17.0**	%	0.10	0.10	1		08/08/06 00:00		

Sample: MERD-002 Lab ID: 874750016 Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**3910**	mg/kg	510	255	2500	08/09/06 00:00	08/15/06 20:59	7429-90-5	
Antimony	**0.65**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/15/06 20:50	7440-36-0	
Arsenic	**7.7**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7440-38-2	
Barium	**17.6**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7440-39-3	
Beryllium	**0.23**	mg/kg	0.20	0.10	20	08/09/06 00:00	08/15/06 20:50	7440-41-7	
Boron	**3.9**	mg/kg	2.0	1.0	20	08/09/06 00:00	08/15/06 20:50	7440-42-8	
Cadmium	ND	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7440-43-9	
Chromium	**31.2**	mg/kg	0.51	0.25	20	08/09/06 00:00	08/10/06 20:08	7440-47-3	
Cobalt	**4.8**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7440-48-4	
Copper	**18.1**	mg/kg	0.41	0.20	20	08/09/06 00:00	08/10/06 20:08	7440-50-8	
Iron	**58500**	mg/kg	6370	3190	2500	08/09/06 00:00	08/15/06 20:59	7439-89-6	
Lead	**47.1**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7439-92-1	
Lithium	**9.6**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/15/06 20:50	7439-93-2	

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ANALYTICAL RESULTS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

Sample: MERD-002 **Lab ID: 874750016** Collected: 08/03/06 00:00 Received: 08/08/06 09:15 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Manganese	**433**	mg/kg	6.4	3.2	250	08/09/06 00:00	08/14/06 18:47	7439-96-5	
Molybdenum	**1.1**	mg/kg	0.10	0.051	20	08/09/06 00:00	08/10/06 20:08	7439-98-7	
Nickel	**16.5**	mg/kg	0.20	0.10	20	08/09/06 00:00	08/10/06 20:08	7440-02-0	
Selenium	ND	mg/kg	0.51	0.25	20	08/09/06 00:00	08/10/06 20:08	7782-49-2	
Silver	ND	mg/kg	0.20	0.10	20	08/09/06 00:00	08/10/06 20:08	7440-22-4	
Zinc	**15.8**	mg/kg	5.1	2.5	20	08/09/06 00:00	08/10/06 20:08	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.011	1	08/10/06 00:00	08/11/06 09:30	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**25.7**	%	0.10	0.10	1		08/08/06 00:00		

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

QC Batch: MPRP/6885 | Analysis Method: % Moisture
QC Batch Method: % Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 874750010, 874750012, 874750014, 874750016

METHOD BLANK: 246905
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008, 874750010, 874750012, 874750014, 874750016

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 246907

Parameter	Units	874750010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	92.8	93.0	.2	30	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

QC Batch: MPRP/6904 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008, 874750010, 874750014, 874750016

METHOD BLANK: 247403
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008, 874750010, 874750014, 874750016

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	mg/kg	ND	0.10	
Beryllium	mg/kg	ND	0.20	
Boron	mg/kg	ND	2.0	
Aluminum	mg/kg	ND	4.0	
Chromium	mg/kg	ND	0.50	
Iron	mg/kg	ND	50.0	
Manganese	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.10	
Nickel	mg/kg	ND	0.20	
Copper	mg/kg	ND	0.40	
Zinc	mg/kg	ND	5.0	
Arsenic	mg/kg	ND	0.10	
Selenium	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.10	
Silver	mg/kg	0.44	0.20	
Cadmium	mg/kg	ND	0.10	
Antimony	mg/kg	ND	0.10	
Barium	mg/kg	ND	0.10	
Lead	mg/kg	ND	0.10	

LABORATORY CONTROL SAMPLE: 247404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/kg	20	22.4	112	75-125	
Lithium	mg/kg	20	18.7	94	75-125	
Aluminum	mg/kg	20	19.2	96	75-125	
Boron	mg/kg	20	22.8	114	75-125	
Chromium	mg/kg	20	21.2	106	75-125	
Iron	mg/kg	250	274	110	75-125	
Manganese	mg/kg	20	21.7	109	75-125	
Cobalt	mg/kg	20	20.6	103	75-125	
Nickel	mg/kg	20	20.2	101	75-125	
Copper	mg/kg	20	20.2	101	75-125	
Zinc	mg/kg	20	20.0	100	75-125	
Arsenic	mg/kg	20	19.4	97	75-125	
Selenium	mg/kg	40	37.3	93	75-125	
Molybdenum	mg/kg	20	20.5	103	75-125	
Silver	mg/kg	20	20.1	101	75-125	
Cadmium	mg/kg	20	19.4	97	75-125	
Antimony	mg/kg	20	20.6	103	75-125	
Barium	mg/kg	20	21.1	106	75-125	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

LABORATORY CONTROL SAMPLE: 247404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	20	20.3	101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247405 247406

Parameter	Units	874750002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/kg	2.4	36.4	39.1	34.9	40.1	89	96	75-125	14	20	
Beryllium	mg/kg	ND	36.4	39.1	26.7	34.9	73	89	75-125	26	20	R1
Boron	mg/kg	ND	36.4	39.1	38.9	42.4	105	106	75-125	9	20	M3
Aluminum	mg/kg	2130	36.4	39.1	3720	3070	4380	2410	75-125	19	20	1M
Chromium	mg/kg	6.3	36.4	39.1	42.9	38.5	101	82	75-125	11	20	
Iron	mg/kg	4610	454	488	7890	7470	721	583	75-125	6	20	1M
Manganese	mg/kg	59.6	36.4	39.1	110	108	137	125	75-125	1	20	1M
Cobalt	mg/kg	1.1	36.4	39.1	31.5	36.2	84	90	75-125	14	20	
Nickel	mg/kg	4.7	36.4	39.1	39.5	41.9	96	95	75-125	6	20	
Copper	mg/kg	3.4	36.4	39.1	37.3	44.7	93	106	75-125	18	20	
Zinc	mg/kg	12.7	36.4	39.1	53.7	55.3	113	109	75-125	3	20	
Arsenic	mg/kg	2.0	36.4	39.1	29.6	35.8	76	86	75-125	19	20	
Selenium	mg/kg	ND	72.7	78.4	58.0	68.6	80	87	75-125	17	20	
Molybdenum	mg/kg	0.29	36.4	39.1	29.6	37.0	81	94	75-125	22	20	R1
Silver	mg/kg	0.33J	36.4	39.1	34.9	41.0	95	104	75-125	16	20	
Cadmium	mg/kg	ND	36.4	39.1	31.9	36.8	88	94	75-125	14	20	
Antimony	mg/kg	0.17J	36.4	39.1	26.3	33.7	72	86	75-125	25	20	M3,R1
Barium	mg/kg	17.9	36.4	39.1	42.1	49.2	67	80	75-125	16	20	
Lead	mg/kg	6.9	36.4	39.1	35.5	41.7	79	89	75-125	16	20	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

QC Batch: MPRP/6905 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008

METHOD BLANK: 247439
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 247440

Parameter	Units	874750002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	50.9	58.0	13	30	

SAMPLE DUPLICATE: 247441

Parameter	Units	1036459005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.1	18.7	2	30	

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QUALITY CONTROL DATA

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

QC Batch: MERP/1229 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008, 874750010, 874750014, 874750016

METHOD BLANK: 247914
Associated Lab Samples: 874750002, 874750004, 874750006, 874750008, 874750010, 874750014, 874750016

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.020	

LABORATORY CONTROL SAMPLE: 247915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247916 247917

Parameter	Units	874750002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.030J	.92	.77	0.82	0.68	86	83	80-120	19	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 874750 FOTH & VAN DYKE
Pace Project No.: 1036429

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.
1M	Matrix spike recovery was outside laboratory control limits due to high concentration in parent sample.

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Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co Project # 874750

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Poly

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.0°C 1.5°C 1.0°C 2.0°C 2.0°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 8-4-06 GP VAS 8/4/06

Temp should be above freezing to 6°C Comments:

				Comments
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No	☐N/A	6. NO_2, NO_3
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☐Yes	☑No	☐N/A	10. See Below
Filtered volume received for Dissolved tests	☐Yes	☑No	☐N/A	11. see Below
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W / S	☑Yes	☐No	☐N/A	12.
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	GD
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 11) LAB To Filter Already Preserved Sample For DOC, all Waters.

9) #015 LID WAS Cracked ON LAmber Hcl. LAB Changed LID

LL Hg WAS PACKED IN SAME Coolers As Other Samples, Including HNO_3 preserved Metals

Project Manager Review: AH for TN Date: 10/23/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

ALLC003rev.2, 10June2005

Batch No. 876048

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1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

October 31, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Eagle South project (06W003). The samples were assigned to batch number 876048 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 876048

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
876048-001	HMPS-001E	WATER	09/13/06 14:30
876048-002	HMPD-001	SOIL	09/13/06 15:30
876048-003	HMPS-001H	WATER	09/13/06 15:30
876048-004	WLDS-002E	WATER	09/13/06 14:00
876048-005	HTPS-001E	WATER	09/13/06 14:00

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alec Hn for Tod N

Approval Signature

11/1/06

Date

Pace Analytical Services, Inc.

Analytical Report Number: 876048

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.557		0.169	0.500	1	ng/L		09/22/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	110		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Chloride	20	B	4.1	25	5	mg/L	N	09/21/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		09/19/06	EPA 410.4	EPA 410.4
Fluoride	0.48	U	0.48	2.5	5	mg/L		09/21/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		09/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	1.9		0.088	0.40	1	mg/L	XN	09/14/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	&	09/14/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	120		3.9	20	5	mg/L		09/21/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		09/18/06	EPA 376.1	EPA 376.1
TOC as NPOC	2.9		0.72	2.0	1	mg/L		09/26/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	1.9	B	0.72	2.0	1	mg/L		09/27/06	EPA 415.2	EPA 415.2
Total Alkalinity	110		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Total Dissolved Solids	270		11	20	1	mg/L		09/19/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.0		0.24	1.0	1	mg/L		09/18/06	EPA 160.2	EPA 160.2
Turbidity	1.9		0.44	1.0	1	NTU		09/14/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-001

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		09/18/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HMPD-001

Matrix Type : SOIL
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.								
Antimony	INCL.								
Arsenic	INCL.								
Barium	INCL.								
Beryllium	INCL.								
Boron	INCL.								
Cadmium	INCL.								
Chromium	INCL.								
Cobalt	INCL.								
Copper	INCL.								
Iron	INCL.								
Lead	INCL.								
Lithium	INCL.								
Magnesium	INCL.								
Manganese	INCL.								
Mercury	INCL.								
Molybdenum	INCL.								
Nickel	INCL.								
Selenium	INCL.								
Silver	INCL.								
Thallium	INCL.								
Vanadium	INCL.								
Zinc	INCL.								
Sulfide	180	13	42	1	mg/kg		09/18/06	EPA 376.2	EPA 376.2

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HMPS-001H

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.521		0.169	0.500	1	ng/L		09/22/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	130		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Chloride	25	B	4.1	25	5	mg/L		09/21/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		09/19/06	EPA 410.4	EPA 410.4
Fluoride	0.48	U	0.48	2.5	5	mg/L		09/21/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	2.0		0.20	0.50	1	mg/L		09/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	3.2		0.088	0.40	1	mg/L	X	09/14/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	&	09/14/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	150		3.9	20	5	mg/L		09/21/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		09/18/06	EPA 376.1	EPA 376.1
TOC as NPOC	2.7		0.72	2.0	1	mg/L		09/26/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	2.8		0.72	2.0	1	mg/L		09/27/06	EPA 415.2	EPA 415.2
Total Alkalinity	130		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Total Dissolved Solids	380		11	20	1	mg/L		09/19/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.50	B	0.24	1.0	1	mg/L		09/18/06	EPA 160.2	EPA 160.2
Turbidity	0.96	B	0.44	1.0	1	NTU		09/14/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HMPS-001H

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-003

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98		80	124	1	%		09/18/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

Analytical Report Number: 876048

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.690		0.169	0.500	1	ng/L		09/22/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	22		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	3.7	U	3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Chloride	2.4	B	0.82	5.0	1	mg/L		09/21/06	EPA 300.0	EPA 300.0
COD	12	B	9.7	20	1	mg/L		09/19/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		09/21/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		09/26/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		09/14/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	&	09/14/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	1.3	B	0.77	4.0	1	mg/L		09/21/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		09/18/06	EPA 376.1	EPA 376.1
TOC as NPOC	9.3		0.72	2.0	1	mg/L		09/26/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.1		0.72	2.0	1	mg/L		09/27/06	EPA 415.2	EPA 415.2
Total Alkalinity	22		3.7	10	1	mg/L		09/27/06	SM 2320B	SM 2320B
Total Dissolved Solids	36		11	20	1	mg/L		09/19/06	EPA 160.1	EPA 160.1
Total Suspended Solids	3.6	B	0.95	4.0	1	mg/L		09/18/06	EPA 160.2	EPA 160.2
Turbidity	5.2		0.44	1.0	1	NTU		09/14/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-004

BTEX

Prep Date: 09/18/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		09/18/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98		80	124	1	%		09/18/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876048

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT
Project Number : 06W003
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 09/13/06
Report Date : 10/31/06
Lab Sample Number : 876048-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury - Low Level	1.56	0.169	0.500	1	ng/L		09/22/06	EPA 1631E	EPA 1631E

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
876048	W-NO2-W	All Samples	& - Laboratory Control Spike recovery not within control limits. All samples were below detection limit and data is being accepted.
876048-001	W-NO3-W	HMPS-001E	X - Original analysis was performed within hold time but a bracketing CCV was out of control. The sample was rerun 14 hours 59 minutes past hold time. Sample results were similar (rerun result = 1.7 mg/L) allowing approval of the first analysis.
876048-003	W-NO3-W	HMPS-001H	X - Original analysis was performed within hold time but a bracketing CCV was out of control. The sample was rerun 3 days past hold time. Sample results were similar (rerun result = 3.2 mg/L) allowing approval of the first analysis.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876048-001	876048-002	876048-003	876048-004	876048-005
ALKALINITY, BICARB/CARB/TOTAL	B		B	B	
ALUMINUM	M	M	M	M	
ANTIMONY	M	M	M	M	
ARSENIC	M	M	M	M	
BARIUM	M	M	M	M	
BERYLLIUM	M	M	M	M	
BORON	M	M	M	M	
BTEX	G		G	G	
CADMIUM	M	M	M	M	
CALCIUM	M		M	M	
CHLORIDE	B		B	B	
CHROMIUM	M	M	M	M	
COBALT	M	M	M	M	
COD	B		B	B	
COPPER	M	M	M	M	
FLUORIDE	B		B	B	
HARDNESS	M		M	M	
IRON	M	M	M	M	
LEAD	M	M	M	M	
LITHIUM	M	M	M	M	
MAGNESIUM	M	M	M	M	
MANGANESE	M	M	M	M	
MERCURY		M			
MERCURY - LOW LEVEL	K		K	K	K
MOLYBDENUM	M	M	M	M	
NICKEL	M	M	M	M	
NITROGEN, AMMONIA	B		B	B	
NITROGEN, NITRATE	B		B	B	
NITROGEN, NITRITE	B		B	B	
OIL & GREASE, TOTAL RECOVER - N	M		M	M	
POTASSIUM	M		M	M	
SAS	W		W	W	
SELENIUM	M	M	M	M	
SILVER	M	M	M	M	
SODIUM	M		M	M	
SOLIDS, TOTAL DISSOLVED	B		B	B	
SOLIDS, TOTAL SUSPENDED	B		B	B	
SULFATE	B		B	B	
SULFIDE	B	C	B	B	
THALLIUM		M			
TOC AS NPOC	K		K	K	

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876048-001	876048-002	876048-003	876048-004	876048-005
TOC AS NPOC - DISSOLVED	K		K	K	
TURBIDITY	B		B	B	
VANADIUM		M			
ZINC	M	M	M	M	

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 876048
Lab Section: METALS-K
QC Batch Number: 14525
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-003	MBMTK0966-003
MB2	MB2WMTK0966-003	MB2WMTK0966-003
MB3	MB3WMTK0966-003	MB3WMTK0966-003
IPR	IPRWMTK0966-003	IPRWMTK0966-003
OPR	OPRWMTK0966-003	OPRWMTK0966-003
MS	HTPS-001EMS	876048-005MS
MS	876040-001MS	876040-001MS
MS	875958-002MS	875958-002MS
MSD	HTPS-001EMSD	876048-005MSD
MSD	876040-001MSD	876040-001MSD
MSD	875958-002MSD	875958-002MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
HMPS-001E	876048-001	HMPS-001H	876048-003
WLDS-002E	876048-004	HTPS-001E	876048-005

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2068	< 0.169	0.2415	5	5.607	112.1	5.562	111.2	79	121	875958-002	1.54	10.0	12.6	110.2		10.0	11.7	101.8		6.9		75	125	24
Mercury - Low Level											876040-001	4.48	20.0	26.9	112.1		20.0	24.8	101.8		8.0		75	125	24
Mercury - Low Level											876048-005	1.56	10.0	12.1	105.2		10.0	12.5	109.2		3.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/31/2006
QC Batch Number: 14525

Pace Analytical Services, Inc.
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September 29, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cory A Higbee

Cory.higbee@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Lab ID	Sample ID	Matrix	Date Collected	Date Received
876048001	HMPS-001E	Water	09/13/06 00:00	09/15/06 08:55
876048003	HMPS-001H	Water	09/13/06 00:00	09/15/06 08:55
876048004	WLDS-002E	Water	09/13/06 00:00	09/15/06 08:55

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SAMPLE ANALYTE COUNT

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Lab ID	Sample ID	Method	Analytes Reported
876048001	HMPS-001E	EPA 1664 TPH	1
		EPA 6020	24
876048003	HMPS-001H	EPA 1664 TPH	1
		EPA 6020	24
876048004	WLDS-002E	EPA 1664 TPH	1
		EPA 6020	24

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ANALYTICAL RESULTS

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Sample: HMPS-001E Lab ID: 876048001 Collected: 09/13/06 00:00 Received: 09/15/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	23.5	ug/L	1.6	0.49	1	09/15/06 00:00	09/22/06 01:55	7429-90-5	
Antimony	8.0	ug/L	0.13	0.039	1	09/15/06 00:00	09/22/06 01:55	7440-36-0	
Arsenic	0.90	ug/L	0.12	0.035	1	09/15/06 00:00	09/22/06 01:55	7440-38-2	
Barium	6.9	ug/L	0.11	0.033	1	09/15/06 00:00	09/22/06 01:55	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 01:55	7440-41-7	
Boron	79.8	ug/L	0.57	0.17	1	09/15/06 00:00	09/22/06 01:55	7440-42-8	
Cadmium	0.018J	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 01:55	7440-43-9	
Calcium	48500	ug/L	300	90.0	50	09/15/06 00:00	09/18/06 18:59	7440-70-2	
Chromium	0.12J	ug/L	0.30	0.091	1	09/15/06 00:00	09/22/06 01:55	7440-47-3	
Cobalt	2.8	ug/L	0.029	0.0087	1	09/15/06 00:00	09/22/06 01:55	7440-48-4	
Copper	1.4	ug/L	0.087	0.026	1	09/15/06 00:00	09/22/06 01:55	7440-50-8	
Iron	192	ug/L	21.0	6.3	1	09/15/06 00:00	09/22/06 01:55	7439-89-6	
Lead	0.27	ug/L	0.10	0.030	1	09/15/06 00:00	09/22/06 01:55	7439-92-1	
Lithium	3.4	ug/L	0.047	0.014	1	09/15/06 00:00	09/22/06 01:55	7439-93-2	
Magnesium	25200	ug/L	65.0	19.0	50	09/15/06 00:00	09/18/06 18:59	7439-95-4	
Manganese	51.9	ug/L	0.16	0.047	1	09/15/06 00:00	09/22/06 01:55	7439-96-5	
Molybdenum	11.4	ug/L	0.11	0.034	1	09/15/06 00:00	09/22/06 01:55	7439-98-7	
Nickel	7.2	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 01:55	7440-02-0	
Potassium	7360	ug/L	150	45.5	5	09/15/06 00:00	09/18/06 18:55	7440-09-7	
Selenium	0.38J	ug/L	0.40	0.12	1	09/15/06 00:00	09/22/06 01:55	7782-49-2	
Silver	0.056J	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 01:55	7440-22-4	
Sodium	11900	ug/L	55.0	17.0	5	09/15/06 00:00	09/18/06 18:55	7440-23-5	
Total Hardness by 2340B	225000	ug/L	5900	1780	50	09/15/06 00:00	09/18/06 18:59		
Zinc	2.7	ug/L	1.0	0.30	1	09/15/06 00:00	09/22/06 01:55	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	2.7J	mg/L	5.2	2.4	1		09/21/06 06:11		

Sample: HMPS-001H Lab ID: 876048003 Collected: 09/13/06 00:00 Received: 09/15/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	22.3	ug/L	1.6	0.49	1	09/15/06 00:00	09/22/06 01:59	7429-90-5	
Antimony	29.2	ug/L	0.13	0.039	1	09/15/06 00:00	09/22/06 01:59	7440-36-0	
Arsenic	0.37	ug/L	0.12	0.035	1	09/15/06 00:00	09/22/06 01:59	7440-38-2	
Barium	9.0	ug/L	0.11	0.033	1	09/15/06 00:00	09/22/06 01:59	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 01:59	7440-41-7	
Boron	132	ug/L	0.57	0.17	1	09/15/06 00:00	09/22/06 01:59	7440-42-8	
Cadmium	0.088	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 01:59	7440-43-9	
Calcium	52800	ug/L	300	90.0	50	09/15/06 00:00	09/18/06 19:11	7440-70-2	
Chromium	0.098J	ug/L	0.30	0.091	1	09/15/06 00:00	09/22/06 01:59	7440-47-3	
Cobalt	15.5	ug/L	0.029	0.0087	1	09/15/06 00:00	09/22/06 01:59	7440-48-4	
Copper	3.0	ug/L	0.087	0.026	1	09/15/06 00:00	09/22/06 01:59	7440-50-8	

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ANALYTICAL RESULTS

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Sample: HMPS-001H Lab ID: 876048003 Collected: 09/13/06 00:00 Received: 09/15/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Iron	**68.3**	ug/L	21.0	6.3	1	09/15/06 00:00	09/22/06 01:59	7439-89-6	
Lead	**0.095J**	ug/L	0.10	0.030	1	09/15/06 00:00	09/22/06 01:59	7439-92-1	
Lithium	**3.9**	ug/L	0.047	0.014	1	09/15/06 00:00	09/22/06 01:59	7439-93-2	
Magnesium	**31000**	ug/L	65.0	19.0	50	09/15/06 00:00	09/18/06 19:11	7439-95-4	
Manganese	**1120**	ug/L	8.0	2.4	50	09/15/06 00:00	09/18/06 19:11	7439-96-5	
Molybdenum	**42.2**	ug/L	0.11	0.034	1	09/15/06 00:00	09/22/06 01:59	7439-98-7	
Nickel	**187**	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 01:59	7440-02-0	
Potassium	**16400**	ug/L	1500	455	50	09/15/06 00:00	09/18/06 19:11	7440-09-7	
Selenium	**0.36J**	ug/L	0.40	0.12	1	09/15/06 00:00	09/22/06 01:59	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 01:59	7440-22-4	
Sodium	**26700**	ug/L	550	170	50	09/15/06 00:00	09/18/06 19:11	7440-23-5	
Total Hardness by 2340B	**260000**	ug/L	5900	1780	50	09/15/06 00:00	09/18/06 19:11		
Zinc	**3.9**	ug/L	1.0	0.30	1	09/15/06 00:00	09/22/06 01:59	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		09/21/06 06:11		

Sample: WLDS-002E Lab ID: 876048004 Collected: 09/13/06 00:00 Received: 09/15/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**9.7**	ug/L	1.6	0.49	1	09/15/06 00:00	09/22/06 02:03	7429-90-5	
Antimony	**0.053J**	ug/L	0.13	0.039	1	09/15/06 00:00	09/22/06 02:03	7440-36-0	
Arsenic	**0.17**	ug/L	0.12	0.035	1	09/15/06 00:00	09/22/06 02:03	7440-38-2	
Barium	**9.8**	ug/L	0.11	0.033	1	09/15/06 00:00	09/22/06 02:03	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 02:03	7440-41-7	
Boron	**13.0**	ug/L	0.57	0.17	1	09/15/06 00:00	09/22/06 02:03	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	09/15/06 00:00	09/22/06 02:03	7440-43-9	
Calcium	**6090**	ug/L	30.0	9.0	5	09/15/06 00:00	09/18/06 19:43	7440-70-2	
Chromium	**0.16J**	ug/L	0.30	0.091	1	09/15/06 00:00	09/22/06 02:03	7440-47-3	
Cobalt	**0.096**	ug/L	0.029	0.0087	1	09/15/06 00:00	09/22/06 02:03	7440-48-4	
Copper	**0.18**	ug/L	0.087	0.026	1	09/15/06 00:00	09/22/06 02:03	7440-50-8	
Iron	**2370**	ug/L	105	31.5	5	09/15/06 00:00	09/18/06 19:43	7439-89-6	
Lead	**0.063J**	ug/L	0.10	0.030	1	09/15/06 00:00	09/22/06 02:03	7439-92-1	
Lithium	**0.27**	ug/L	0.047	0.014	1	09/15/06 00:00	09/22/06 02:03	7439-93-2	
Magnesium	**1260**	ug/L	1.3	0.38	1	09/15/06 00:00	09/22/06 02:03	7439-95-4	
Manganese	**19.4**	ug/L	0.16	0.047	1	09/15/06 00:00	09/22/06 02:03	7439-96-5	
Molybdenum	**0.072J**	ug/L	0.11	0.034	1	09/15/06 00:00	09/22/06 02:03	7439-98-7	
Nickel	**0.14**	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 02:03	7440-02-0	
Potassium	**243**	ug/L	30.0	9.1	1	09/15/06 00:00	09/22/06 02:03	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	09/15/06 00:00	09/22/06 02:03	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	09/15/06 00:00	09/22/06 02:03	7440-22-4	
Sodium	**410**	ug/L	11.0	3.4	1	09/15/06 00:00	09/22/06 02:03	7440-23-5	

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ANALYTICAL RESULTS

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

Sample: WLDS-002E **Lab ID: 876048004** Collected: 09/13/06 00:00 Received: 09/15/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Total Hardness by 2340B	**20400**	ug/L	590	178	5	09/15/06 00:00	09/18/06 19:43		
Zinc	**2.8**	ug/L	1.0	0.30	1	09/15/06 00:00	09/22/06 02:03	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		09/21/06 06:11		

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QUALITY CONTROL DATA

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

QC Batch: MPRP/7200 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET
Associated Lab Samples: 876048001, 876048003, 876048004

METHOD BLANK: 259840
Associated Lab Samples: 876048001, 876048003, 876048004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Silver	ug/L	0.10J	0.14	
Lithium	ug/L	ND	0.047	
Beryllium	ug/L	ND	0.057	
Boron	ug/L	1.1	0.57	
Sodium	ug/L	ND	11.0	
Magnesium	ug/L	ND	1.3	
Aluminum	ug/L	0.72J	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	3.3J	6.0	
Chromium	ug/L	ND	0.30	
Iron	ug/L	11.1J	21.0	
Manganese	ug/L	0.065J	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	ND	0.14	
Copper	ug/L	ND	0.087	
Zinc	ug/L	1.0	1.0	
Arsenic	ug/L	0.069J	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	ND	0.11	
Lead	ug/L	ND	0.10	
Total Hardness by 2340B	ug/L	ND	118	

LABORATORY CONTROL SAMPLE: 259841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	80	92.0	115	85-115	
Lithium	ug/L	80	78.8	99	85-115	
Boron	ug/L	80	76.6	96	85-115	
Sodium	ug/L	1000	1050	105	85-115	
Silver	ug/L	80	81.4	102	85-115	
Magnesium	ug/L	1000	1040	104	85-115	
Aluminum	ug/L	80	82.9	104	85-115	
Potassium	ug/L	1000	1020	102	85-115	
Calcium	ug/L	1000	1040	104	85-115	
Chromium	ug/L	80	83.9	105	85-115	
Iron	ug/L	1000	1110	111	85-115	
Manganese	ug/L	80	83.8	105	85-115	
Cobalt	ug/L	80	80.6	101	85-115	

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QUALITY CONTROL DATA

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

LABORATORY CONTROL SAMPLE: 259841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	80	81.4	102	85-115	
Copper	ug/L	80	81.3	102	85-115	
Zinc	ug/L	80	77.6	97	85-115	
Arsenic	ug/L	80	77.5	97	85-115	
Selenium	ug/L	160	154	96	85-115	
Molybdenum	ug/L	80	82.1	103	85-115	
Cadmium	ug/L	80	81.2	102	85-115	
Antimony	ug/L	80	82.3	103	85-115	
Barium	ug/L	80	83.0	104	85-115	
Lead	ug/L	80	79.2	99	85-115	
Total Hardness by 2340B	ug/L		6860			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 259978 259979

Parameter	Units	1038335001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	ND	80	80	82.7	83.5	103	104	70-130	.9	20	
Beryllium	ug/L	ND	80	80	79.9	79.9	100	100	70-130	.03	20	
Boron	ug/L	9.0	80	80	88.7	95.9	100	109	70-130	8	20	
Sodium	ug/L	299	1000	1000	1400	1420	110	112	70-130	2	20	
Magnesium	ug/L	21.4	1000	1000	1030	1040	100	102	70-130	1	20	
Aluminum	ug/L	16.3	80	80	96.1	99.5	100	104	70-130	4	20	
Potassium	ug/L	ND	1000	1000	1020	1040	101	103	70-130	1	20	
Calcium	ug/L	135	1000	1000	1140	1140	101	101	70-130	.006	20	
Chromium	ug/L	0.80	80	80	79.7	80.5	99	100	70-130	1	20	
Iron	ug/L	67.3	1000	1000	1040	1100	98	103	70-130	5	20	
Manganese	ug/L	1.0	80	80	80.8	82.4	100	102	70-130	2	20	
Cobalt	ug/L	0.11	80	80	82.2	80.8	103	101	70-130	2	20	
Nickel	ug/L	1.3	80	80	83.3	80.3	102	99	70-130	4	20	
Copper	ug/L	0.69	80	80	82.9	80.9	103	100	70-130	2	20	
Zinc	ug/L	6.1	80	80	86.4	84.4	100	98	70-130	2	20	
Arsenic	ug/L	ND	80	80	79.3	77.7	99	97	70-130	2	20	
Selenium	ug/L	ND	160	160	159	155	99	97	70-130	2	20	
Molybdenum	ug/L	0.20	80	80	74.2	77.8	92	97	70-130	5	20	
Silver	ug/L	ND	80	80	69.6	77.0	87	96	70-130	10	20	
Cadmium	ug/L	ND	80	80	81.0	77.8	101	97	70-130	4	20	
Antimony	ug/L	ND	80	80	71.4	76.7	89	96	70-130	7	20	
Barium	ug/L	0.56	80	80	80.6	79.3	100	98	70-130	2	20	
Lead	ug/L	0.22	80	80	82.3	81.8	103	102	70-130	.6	20	
Total Hardness by 2340B	ug/L	426			7070	7130				.8	20	

SAMPLE DUPLICATE: 259844

Parameter	Units	876048004 Result	Dup Result	RPD	Max RPD	Qualifiers
Calcium	ug/L	6090	5850	4	20	

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QUALITY CONTROL DATA

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

SAMPLE DUPLICATE: 259844

Parameter	Units	876048004 Result	Dup Result	RPD	Max RPD	Qualifiers
Lithium	ug/L	0.27	0.25	5	20	
Beryllium	ug/L	ND	ND	3	20	
Iron	ug/L	2370	2420	2	20	
Boron	ug/L	13.0	10.6	21	20	R1
Total Hardness by 2340B	ug/L	20400	19900	3	20	
Sodium	ug/L	410	409	.3	20	
Magnesium	ug/L	1260	1270	1	20	
Aluminum	ug/L	9.7	10.2	6	20	
Potassium	ug/L	243	246	1	20	
Chromium	ug/L	0.16J	0.13J	17	20	
Manganese	ug/L	19.4	20.1	4	20	
Cobalt	ug/L	0.096	0.086	11	20	
Nickel	ug/L	0.14	0.13J	11	20	
Copper	ug/L	0.18	0.20	7	20	
Zinc	ug/L	2.8	3.2	14	20	
Arsenic	ug/L	0.17	0.16	8	20	
Selenium	ug/L	ND	ND	2	20	
Molybdenum	ug/L	0.072J	ND	99	20	
Silver	ug/L	ND	ND	49	20	
Cadmium	ug/L	ND	ND	106	20	
Antimony	ug/L	0.053J	ND	43	20	
Barium	ug/L	9.8	10.3	5	20	
Lead	ug/L	0.063J	0.073J	14	20	

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QUALITY CONTROL DATA

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

QC Batch: WET/7533 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 876048001, 876048003, 876048004

METHOD BLANK: 260511
Associated Lab Samples: 876048001, 876048003, 876048004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	2.8J	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 260512 260513

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.9	15.1	80	76	64-132	5	34	

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QUALIFIERS

Project: 876048 FOTH & VAN DYKE
Pace Project No.: 1038375

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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October 30, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 876048
Pace Project No.: 1040754

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders

jane.eilders@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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Fax: (612)607-6444

SAMPLE SUMMARY

Project: 876048
Pace Project No.: 1040754

Lab ID	Sample ID	Matrix	Date Collected	Date Received
876048002	HMPD-001	Solid	09/13/06 00:00	10/25/06 08:55

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SAMPLE ANALYTE COUNT

Project: 876048
Pace Project No.: 1040754

Lab ID	Sample ID	Method	Analytes Reported
876048002	HMPD-001	% Moisture	1
		EPA 6020	22
		EPA 7471	1

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ANALYTICAL RESULTS

Project: 876048
Pace Project No.: 1040754

Sample: HMPD-001 **Lab ID: 876048002** Collected: 09/13/06 00:00 Received: 10/25/06 08:55 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**24500**	mg/kg	705	353	2000	10/25/06 00:00	10/27/06 10:26	7429-90-5	
Antimony	**22.4**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-36-0	
Arsenic	**165**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-38-2	
Barium	**11.3**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-39-3	
Beryllium	**0.33J**	mg/kg	0.35	0.18	20	10/25/06 00:00	10/26/06 23:13	7440-41-7	
Boron	**2.0J**	mg/kg	3.5	1.8	20	10/25/06 00:00	10/26/06 23:13	7440-42-8	
Cadmium	**0.75**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-43-9	
Chromium	**580**	mg/kg	1.8	0.88	40	10/25/06 00:00	10/27/06 10:21	7440-47-3	
Cobalt	**74.6**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-48-4	
Copper	**491**	mg/kg	1.4	0.71	40	10/25/06 00:00	10/27/06 10:21	7440-50-8	
Iron	**82100**	mg/kg	8820	4410	2000	10/25/06 00:00	10/27/06 10:26	7439-89-6	
Lead	**238**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7439-92-1	
Lithium	**22.8**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7439-93-2	
Magnesium	**44200**	mg/kg	88.2	44.1	200	10/25/06 00:00	10/26/06 23:17	7439-95-4	
Manganese	**610**	mg/kg	1.8	0.88	40	10/25/06 00:00	10/27/06 10:21	7439-96-5	
Molybdenum	**107**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7439-98-7	
Nickel	**615**	mg/kg	0.71	0.35	40	10/25/06 00:00	10/27/06 10:21	7440-02-0	
Selenium	**1.5**	mg/kg	0.88	0.44	20	10/25/06 00:00	10/26/06 23:13	7782-49-2	
Silver	**3.2**	mg/kg	0.71	0.35	40	10/25/06 00:00	10/27/06 10:21	7440-22-4	B
Thallium	**0.14J**	mg/kg	0.18	0.088	20	10/25/06 00:00	10/26/06 23:13	7440-28-0	
Vanadium	**13.1**	mg/kg	3.5	1.8	20	10/25/06 00:00	10/26/06 23:13	7440-62-2	
Zinc	**230**	mg/kg	8.8	4.4	20	10/25/06 00:00	10/26/06 23:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.020J**	mg/kg	0.038	0.019	1	10/25/06 00:00	10/26/06 10:50	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**47.0**	%	0.10	0.10	1		10/25/06 00:00		

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QUALITY CONTROL DATA

Project: 876048
Pace Project No.: 1040754

QC Batch: MERP/1361
QC Batch Method: EPA 7471
Associated Lab Samples: 876048002

Analysis Method: EPA 7471
Analysis Description: 7471 Mercury

METHOD BLANK: 275887
Associated Lab Samples: 876048002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.020	

LABORATORY CONTROL SAMPLE: 275888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.51	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 275890 275891

Parameter	Units	1040538001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.062	.49	.48	0.60	0.56	109	105	80-120	6	20	

MATRIX SPIKE SAMPLE: 276169

Parameter	Units	1040538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.062	.49	0.52	93	80-120	

SAMPLE DUPLICATE: 275889

Parameter	Units	876048002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.020J	0.030J	37	30	D7

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QUALITY CONTROL DATA

Project: 876048
Pace Project No.: 1040754

QC Batch: MPRP/7600
QC Batch Method: EPA 3020
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 876048002

METHOD BLANK: 275926
Associated Lab Samples: 876048002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	mg/kg	ND	4.0	
Antimony	mg/kg	0.14	0.10	P8
Arsenic	mg/kg	0.080J	0.10	
Barium	mg/kg	ND	0.10	
Beryllium	mg/kg	ND	0.20	
Boron	mg/kg	ND	2.0	
Cadmium	mg/kg	ND	0.10	
Chromium	mg/kg	0.85	0.50	P8
Cobalt	mg/kg	ND	0.10	
Copper	mg/kg	ND	0.40	
Iron	mg/kg	ND	50.0	
Lead	mg/kg	0.46	0.10	P8
Lithium	mg/kg	0.082J	0.10	
Magnesium	mg/kg	ND	5.0	
Manganese	mg/kg	1.5	0.50	P8
Molybdenum	mg/kg	0.054J	0.10	
Nickel	mg/kg	0.24	0.20	P8
Selenium	mg/kg	0.43J	0.50	
Silver	mg/kg	1.0	0.20	
Thallium	mg/kg	ND	0.10	
Vanadium	mg/kg	ND	2.0	
Zinc	mg/kg	ND	5.0	

LABORATORY CONTROL SAMPLE: 275927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	20	20.3	102	75-125	
Antimony	mg/kg	20	19.3	96	75-125	
Arsenic	mg/kg	20	19.1	95	75-125	
Barium	mg/kg	20	19.2	96	75-125	
Beryllium	mg/kg	20	18.4	92	75-125	
Boron	mg/kg	20	17.7	89	75-125	
Cadmium	mg/kg	20	18.8	94	75-125	
Chromium	mg/kg	20	19.9	99	75-125	
Cobalt	mg/kg	20	19.3	97	75-125	
Copper	mg/kg	20	19.2	96	75-125	
Iron	mg/kg	250	260	104	75-125	
Lead	mg/kg	20	20.0	100	75-125	
Lithium	mg/kg	20	18.6	93	75-125	
Magnesium	mg/kg	250	235	94	75-125	
Manganese	mg/kg	20	20.4	102	75-125	

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QUALITY CONTROL DATA

Project: 876048
Pace Project No.: 1040754

LABORATORY CONTROL SAMPLE: 275927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum	mg/kg	20	19.0	95	75-125	
Nickel	mg/kg	20	19.5	97	75-125	
Selenium	mg/kg	40	36.4	91	75-125	
Silver	mg/kg	20	21.7	109	75-125	
Thallium	mg/kg	20	19.6	98	75-125	
Vanadium	mg/kg	20	18.4	92	75-125	
Zinc	mg/kg	20	19.2	96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 275928 275929

Parameter	Units	876048002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	24500	34	32.8	27800	27700	9880	9970	75-125	.3	20	P6
Antimony	mg/kg	22.4	34	32.8	46.3	46.2	70	72	75-125	.3	20	M0
Arsenic	mg/kg	165	34	32.8	213	212	140	143	75-125	.3	20	P6
Barium	mg/kg	11.3	34	32.8	49.7	47.0	113	109	75-125	5	20	
Beryllium	mg/kg	0.33J	34	32.8	33.8	32.3	98	98	75-125	4	20	
Boron	mg/kg	2.0J	34	32.8	31.1	31.4	86	89	75-125	.7	20	
Cadmium	mg/kg	0.75	34	32.8	35.6	33.9	102	101	75-125	5	20	
Chromium	mg/kg	580	34	32.8	637	620	168	121	75-125	3	20	P6
Cobalt	mg/kg	74.6	34	32.8	113	111	114	110	75-125	2	20	
Copper	mg/kg	491	34	32.8	577	498	254	21	75-125	15	20	P6
Iron	mg/kg	82100	424	409	81700	80600	-90	-371	75-125	1	20	P6
Lead	mg/kg	238	34	32.8	288	287	149	150	75-125	.4	20	P6
Lithium	mg/kg	22.8	34	32.8	63.4	62.2	120	120	75-125	2	20	
Magnesium	mg/kg	44200	424	409	50500	51000	1470	1670	75-125	1	20	P6
Manganese	mg/kg	610	34	32.8	690	660	234	151	75-125	4	20	P6
Molybdenum	mg/kg	107	34	32.8	151	147	128	122	75-125	2	20	P6
Nickel	mg/kg	615	34	32.8	686	674	211	181	75-125	2	20	P6
Selenium	mg/kg	1.5	67.9	65.6	67.2	64.8	97	96	75-125	4	20	
Silver	mg/kg	3.2	34	32.8	42.8	42.1	116	118	75-125	2	20	
Thallium	mg/kg	0.14J	34	32.8	36.2	34.9	106	106	75-125	4	20	
Vanadium	mg/kg	13.1	34	32.8	52.4	48.3	115	107	75-125	8	20	
Zinc	mg/kg	230	34	32.8	301	298	211	208	75-125	1	20	P6

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QUALITY CONTROL DATA

Project: 876048
Pace Project No.: 1040754

QC Batch: MPRP/7603
QC Batch Method: % Moisture
Associated Lab Samples: 876048002

Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture

METHOD BLANK: 276112
Associated Lab Samples: 876048002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Percent Moisture	%	ND	0.10	

SAMPLE DUPLICATE: 276113

Parameter	Units	1040780001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.9	5.5	6	30	

SAMPLE DUPLICATE: 276114

Parameter	Units	1040791001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.8	8.2	7	30	

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QUALIFIERS

Project: 876048
Pace Project No.: 1040754

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D7	The sample and/or duplicate results for this parameter are less than the reporting limit, calculations are based on estimated values and may be statistically unreliable.
M0	Matrix spike recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
P8	Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

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October 3, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
876048 Foth & Van Dyke, A/B; Green Bay, WI
Pace Project No. 06-4892

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on September 15, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-4892
CLIENT: 876048 Foth & Van Dyke, A/B

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0609-0963	876048-001	0609-0964	876048-003
0609-0965	876048-004		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 10/3/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-4892
Groundwater Characterization; 876048 Foth & Van Dyke, A/B

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0609-0963	876048-001	(9/13/06)	09/25/06	3.05 ± 1.66	(2.29)
0609-0964	876048-003	(9/13/06)	09/25/06	3.22 ± 1.84	(2.96)
0609-0965	876048-004	(9/13/06)	09/29/06	-0.063 ± 0.406	(1.39)
0609-0966	Method Blank	(9/15/06)	09/29/06	0.316 ± 0.464	(0.971)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc (MDC)	
0609-0963	876048-001	(9/13/06)	09/25/06	7.54 ± 1.71	(1.22)
0609-0964	876048-003	(9/13/06)	09/25/06	13.4 ± 2.66	(1.13)
0609-0965	876048-004	(9/13/06)	09/29/06	0.816 ± 0.823	(1.71)
0609-0966	Method Blank	(9/15/06)	09/29/06	0.384 ± 0.634	(1.37)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth & VanDyke Project # 876048

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used JB Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 2.0, 0.5 °C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 9/14/06 - LS

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. have to look at list for analyses. Not sent with COC. -LS 9/14/06
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO3, turbidity
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	LS
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: NH for TN **Date:** 11/1/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

ALLC003rev.2, 10June2005

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0974280

Section A Required Client Information:

Company	Foth + Van Dyke
Address	Green Bay Wi
Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Steve Dunham
Copy To:	Jamie Kesig
Purchase Order No.:	
Project Name:	Humboldt
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☒ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID — One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	HMPS-001E	WT	G	9-13-06	14:30			16.7	14	X	X	X	X	X						001
2	HMPD-001	SL	G	9-13-06	15:30			5.6	2	X	1-4oz									002
3	HMPS-001-H	WT	G	9-13-06	1530			5.3	14	X	X	X	X	X						003
4	WLDS-002E	WT	G	9-13-06	1400			13.3	14	X	X	X	X	X						004
5	WLDD-002	SL	G	9-13-06	1400			~~4.3~~	2	X										
6	HTPS-001E	WT	G	9-13-06	1615			12.0	1	X	1-500ml									Trans Hs 005
7																				
8																				
9																				
10																				
11																				
12																				

Preservatives: Unpreserved; H_2SO_4 1-250ml; HNO_3 1-500ml; HCl 1-1 Amber; NaOH 2-1L; $Na_2S_2O_3$; Methanol; Other

Requested Analysis: Fat Oil Grease; Hexane Petroleum

876048

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] NJC	9-13-06	1700	FedEx		
FedEx	9/14/06	1030	Lori Stevens	9/14/06	1030

SAMPLE CONDITION: Temp in °C 2.0; Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N

Additional Comments:

Ship via fed Exp

One DOC field filtered (per location)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: R. Eagle A. Mavagini P Sabo D Wistala

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM / DD / YY): [illegible]

SEE REVERSE SIDE FOR INSTRUCTIONS

October 2006
(Surface Water Quality)

Batch No. 876970

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

November 3, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 876970 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Allen for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 876970

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
876970-001	HTPS-001E	WATER	10/05/06 14:20
876970-002	WLDS-002E	WATER	10/05/06 13:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alle [illegible] for Tod N

Approval Signature

11/3/06

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876970

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 10/05/06
Report Date : 11/01/06
Lab Sample Number : 876970-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	33	B	6.3	50	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Arsenic	1.6		0.13	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Barium	5.8		0.12	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		10/25/06	SW846 3020A	SW846 6020
Boron	90		1.2	10	1	ug/L		10/25/06	SW846 3020A	SW846 6020
Cadmium	0.14	U	0.14	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Calcium	22000		13	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Cobalt	0.14	B	0.026	1.0	1	ug/L	A	10/20/06	SW846 3020A	SW846 6020
Copper	0.89	B	0.15	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Hardness	110		0.15	2.0	1	mg/L		10/19/06	SW846 3020A	6020/2340B
Iron	1400		9.3	50	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Lead	0.17	B	0.049	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Lithium	7.8		0.014	0.047	1	ug/L		10/19/06	EPA 3020	EPA 6020
Magnesium	14000		4.6	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Manganese	24		0.12	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Mercury - Low Level	1.42		0.183	0.500	1	ng/L	X	10/16/06	EPA 1631E	EPA 1631E
Molybdenum	4.3	B	0.61	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Nickel	1.5		0.32	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Potassium	4000		5.7	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Silver	0.040	B	0.034	5.0	1	ug/L	A	10/24/06	SW846 3020A	SW846 6020
Sodium	960		17	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Vanadium	0.57	B	0.10	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Zinc	2.1	B	0.98	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	110		1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Chloride	3.7	B	0.82	5.0	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
COD	21		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.45	B	0.096	0.50	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.3	U	2.3	5.1	1	mg/L		10/17/06	EPA 1664 TPH	EPA 1664 TPH
Sulfate	15		0.77	4.0	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/10/06	EPA 376.1	EPA 376.1
TOC as NPOC	11		0.72	2.0	1	mg/L		10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.6		0.72	2.0	1	mg/L		10/23/06	EPA 415.2	EPA 415.2
Total Alkalinity	110		1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L		10/12/06	EPA 160.1	EPA 160.1
Total Suspended Solids	6.6		0.48	2.0	1	mg/L		10/09/06	EPA 160.2	EPA 160.2
Turbidity	7.1		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical
Services, Inc.

Analytical Report Number: 876970

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 10/05/06
Report Date : 11/01/06
Lab Sample Number : 876970-001

BTEX

Prep Date: 10/10/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100		80	124	1	%		10/10/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876970

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 10/05/06
Report Date : 11/01/06
Lab Sample Number : 876970-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	21	B	6.3	50	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Arsenic	0.27	B	0.13	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Barium	8.6		0.12	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		10/25/06	SW846 3020A	SW846 6020
Boron	25		1.2	10	1	ug/L		10/25/06	SW846 3020A	SW846 6020
Cadmium	0.14	U	0.14	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Calcium	5900		13	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L	A	10/20/06	SW846 3020A	SW846 6020
Copper	0.15	U	0.15	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Hardness	20		0.15	2.0	1	mg/L		10/19/06	SW846 3020A	6020/2340B
Iron	1600		9.3	50	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Lead	0.070	B	0.049	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Lithium	0.25		0.014	0.047	1	ug/L		10/19/06	EPA 3020	EPA 6020
Magnesium	1400		4.6	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Manganese	11		0.12	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Mercury - Low Level	0.989		0.183	0.500	1	ng/L		10/16/06	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Potassium	340	B	5.7	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	5.0	1	ug/L		10/24/06	SW846 3020A	SW846 6020
Sodium	530		17	500	1	ug/L		10/19/06	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Vanadium	0.57	B	0.10	1.0	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Zinc	4.2	B	0.98	10	1	ug/L		10/20/06	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	20		1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Chloride	3.4	B	0.82	5.0	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
COD	15	B	10	21	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.25	B	0.096	0.50	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.2	1	mg/L		10/17/06	EPA 1664 TPH	EPA 1664 TPH
Sulfate	1.8	B	0.77	4.0	1	mg/L		10/30/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/10/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.1		0.72	2.0	1	mg/L		10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.7		0.72	2.0	1	mg/L		10/23/06	EPA 415.2	EPA 415.2
Total Alkalinity	20		1.7	10	1	mg/L		10/11/06	SM 2320B	SM 2320B
Total Dissolved Solids	48		11	20	1	mg/L		10/12/06	EPA 160.1	EPA 160.1
Total Suspended Solids	2.6		0.48	2.0	1	mg/L		10/09/06	EPA 160.2	EPA 160.2
Turbidity	3.3		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical
Services, Inc.

Analytical Report Number: 876970

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 10/05/06
Report Date : 11/01/06
Lab Sample Number : 876970-002

BTEX

Prep Date: 10/10/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100		80	124	1	%		10/10/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
876970-	M-AG-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.0 ug/L.
876970-	M-CO-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.03 ug/L.
876970-001	M-HGLL-W	HTPS-001E	X - Duplicate analyses not within control limits. This was due to a double spike on the MSD. Percent recovery was well within range on the double spiked sample and the RPD off of the percent recovery was 3.1%. Not enough sample to rerun the MSD.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical
Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876970-001	876970-002
ALKALINITY, BICARB/CARB/TOTAL	B	B
ALUMINUM	B	B
ANTIMONY	B	B
ARSENIC	B	B
BARIUM	B	B
BERYLLIUM	B	B
BORON	B	B
BTEX	G	G
CADMIUM	B	B
CALCIUM	B	B
CHLORIDE	B	B
CHROMIUM	B	B
COBALT	B	B
COD	B	B
COPPER	B	B
FLUORIDE	B	B
HARDNESS	B	B
IRON	B	B
LEAD	B	B
LITHIUM	M	M
MAGNESIUM	B	B
MANGANESE	B	B
MERCURY - LOW LEVEL	K	K
MOLYBDENUM	B	B
NICKEL	B	B
NITROGEN, AMMONIA	B	B
NITROGEN, NITRATE	C	C
NITROGEN, NITRITE	C	C
OIL & GREASE, TOTAL RECOVER - N	M	M
POTASSIUM	B	B
SAS	W	W
SELENIUM	B	B
SILVER	B	B
SODIUM	B	B
SOLIDS, TOTAL DISSOLVED	B	B
SOLIDS, TOTAL SUSPENDED	B	B
SULFATE	B	B
SULFIDE	B	B
THALLIUM	B	B
TOC AS NPOC	K	K
TOC AS NPOC - DISSOLVED	K	K

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876970-001	876970-002
TURBIDITY	B	B
VANADIUM	B	B
ZINC	B	B

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 876970
Lab Section: GAS
QC Batch Number: 14939
Prep Method: SW846 5030B
Analytical Method: SW846 M8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2047-4MB	GG2047-4MB
LCS	GG2047-4MBLCS	GG2047-4MBLCS
LCSD	GG2047-4MBLCSD	GG2047-4MBLCSD
MS	875052-082MS	875052-082MS
MSD	875052-082MSD	875052-082MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	22.6	113		20.0	22	110		2.6		85	115	20	875052-082		0.243	20.0	23	114		20.0	23	114		0.1		80	120	20
Ethylbenzene	<	0.4	20.0	22	110		20.0	21.5	107		2.5		85	115	20	875052-082		4.82	20.0	26.9	110		20.0	27.1	111		0.6		80	120	20
Toluene	<	0.36	20.0	22.3	111		20.0	21.7	108		2.7		85	115	20	875052-082		0.505	20.0	22.8	111		20.0	22.9	112		0.5		80	120	20
Xylene, m + p	<	0.74	40.0	43.4	109		40.0	42.4	106		2.4		85	115	20	875052-082		10.9	40.0	54.6	109		40.0	54.8	110		0.5		78	124	20
Xylene, o	<	0.36	20.0	21.6	108		20.0	21.1	106		2.4		85	115	20	875052-082	<	0.36	20.0	21.5	108		20.0	21.7	108		0.7		80	120	20
a,a,a-Trifluorotoluene		100%	---	---	100		---	---	100		---		80	124	---	875052-082		101%	---	---	100		---	---	101		---		80	124	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 14939

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 14941
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1990-064MB	WCG1990-064MB
LCS	WCG1990-064MBLCS	WCG1990-064MBLCS
DUP	HTPS-001EDUP	876970-001DUP
DUP	876928-001DUP	876928-001DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.12	184.0	172	93.5		---	---	---		---		80	120	10	876928-001	28.00	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.12	184.0	172	93.5		---	---	---		---		80	120	10	876970-001	6.600	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 14941

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 14993
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-042MB	WCG1919-042MB
LCS	WCG1919-042MBLCS	WCG1919-042MBLCS
MS	876728-001MS	876728-001MS
MSD	876728-001MSD	876728-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	<	2.5	46.8	45.2	96.6		—	---	---		---		80	120	20	876728-001	<	2.5	46.8	51.2	109.4		46.8	44	94.0		15.1		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 14993

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 15025
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1928-061MB	WCG1928-061MB
LCS	WCG1928-061MBLCS	WCG1928-061MBLCS
MS	WLDS-002EMS	876970-002MS
MS	876839-010MS	876839-010MS
MSD	WLDS-002EMSD	876970-002MSD
MSD	876839-010MSD	876839-010MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	<	9.7	400.0	402.7	100.7		---	---	---		—		90	110	10	876839-010	<	10	166.7	180.4	108.2		166.7	183.8	110.3		1.8		90	110	10
COD	<	9.7	400.0	402.7	100.7		---	---	---		—		90	110	10	876970-002		15.37	166.7	187.1	103.0		166.7	187.1	103.0		0.0		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15025

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 15027
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-043MB	WCG1919-043MB
LCS	WCG1919-043MBLCS	WCG1919-043MBLCS
MS	876963-003MS	876963-003MS
MSD	876963-003MSD	876963-003MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Bicarbonate Alkalinity	J	2.2	12.60	13.1	103.8		---	---	---		---		80	120	20	876963-003		331.4	100.0	429.5	98.1		100.0	433.8	102.5		1.0		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	876963-003	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	12.60	13.1	103.8		---	---	---		---		80	120	20	876963-003		331.4	100.0	429.5	98.1		100.0	433.8	102.5		1.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15027

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 15096
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1962-060MB	WCG1962-060MB
LCS	WCG1962-060MBLCS	WCG1962-060MBLCS
DUP	HTPS-001EDUP	876970-001DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Dissolved Solids	<	11	631.0	664	105.2		---	---	---		---		80	120	10	876970-001	134.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15096

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: METALS-K
QC Batch Number: 15204
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-016	MBMTK0966-016
IPR	IPRWMTK0966-016	IPRWMTK0966-016
OPR	OPRWMTK0966-016	OPRWMTK0966-016
MS	877069-002MS	877069-002MS
MS	HTPS-001EMS	876970-001MS
MSD	877069-002MSD	877069-002MSD
MSD	HTPS-001EMSD	876970-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB
WLDS-002E	876970-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.23	0	---	---		---	---	---		---		---	---	---	876970-001	1.42	5.00	6.4	99.4		10.0	11	96.3		53.5	*	75	125	24
Mercury - Low Level	0.23	0	---	---		---	---	---		---		---	---	---	877069-002	203.2	200.0	389.3	93.0		200.0	424	110.4		8.5		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15204

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: METALS
QC Batch Number: 15258
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG1978-54	MBWMTG1978-54
LCS	LCSWMTG1978-54	LCSWMTG1978-54
MS	876982-002MS	876982-002MS
MSD	876982-002MSD	876982-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB	WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	<	6.3	10000.0	9550	95.5		---	---	---		---		75	125	20	876982-002		5989.00	10000.0	15240	92.5		10000.0	15190	92.0		0.3		75	125	20
Antimony	<	0.24	200.0	204.2	102.1		---	---	---		---		75	125	20	876982-002		0.3500	200.0	196.9	98.3		200.0	190	94.8		3.6		75	125	20
Arsenic	<	0.13	200.0	197.1	98.6		---	---	---		---		75	125	20	876982-002		5.220	200.0	201.1	97.9		200.0	198.3	96.5		1.4		75	125	20
Barium	J	0.17	200.0	189.4	94.7		---	---	---		---		75	125	20	876982-002		125.1	200.0	319	96.9		200.0	313.1	94.0		1.9		75	125	20
Beryllium	<	0.1	200.0	211.1	105.6		---	---	---		---		75	125	20	876982-002		0.3600	200.0	195.2	97.4		200.0	192.6	96.1		1.3		75	125	20
Boron	<	1.2	200.0	194.8	97.4		---	---	---		---		75	125	20	876982-002		19.07	200.0	226.4	103.7		200.0	215.7	98.3		4.8		75	125	20
Cadmium	<	0.14	200.0	197.1	98.6		---	---	---		---		75	125	20	876982-002	<	0.14	200.0	189.1	94.6		200.0	186.4	93.2		1.4		75	125	20
Calcium	J	23	10000	9902	99.0		---	---	---		---		75	125	20	876982-002		110000	10000	130000	105.4	+	10000	130000	126.6	+	1.7		75	125	20
Chromium	<	0.32	200.0	191.5	95.8		---	---	---		---		75	125	20	876982-002		8.120	200.0	191.5	91.7		200.0	191	91.4		0.3		75	125	20
Cobalt	<	0.026	200.0	187.1	93.6		---	---	---		---		75	125	20	876982-002		2.930	200.0	177.3	87.2		200.0	174	85.5		1.9		75	125	20
Copper	<	0.15	200.0	186.7	93.3		---	---	---		---		75	125	20	876982-002		8.980	200.0	175.8	83.4		200.0	174.3	82.7		0.9		75	125	20
Iron	<	9.3	10000.0	9712	97.1		---	---	---		---		75	125	20	876982-002		9032.00	10000.0	17520	84.9		10000.0	17110	80.8		2.4		75	125	20
Lead	<	0.049	200.0	197.9	98.9		---	---	---		---		75	125	20	876982-002		3.970	200.0	206.1	101.1		200.0	206.8	101.4		0.3		75	125	20
Magnesium	J	11	10000.0	10470	104.7		---	---	---		---		75	125	20	876982-002		65180.0	10000.0	76000	108.2	+	10000.0	77120	119.4	+	1.5		75	125	20
Manganese	<	0.12	200.0	192.7	96.3		---	---	---		---		75	125	20	876982-002		239.9	200.0	404.2	82.2		200.0	400.8	80.4		0.8		75	125	20
Molybdenum	<	0.61	200.0	188.6	94.3		---	---	---		---		75	125	20	876982-002		15.10	200.0	198.3	91.6		200.0	195.6	90.2		1.4		75	125	20
Nickel	<	0.32	200.0	187.2	93.6		---	---	---		---		75	125	20	876982-002		8.780	200.0	175.2	83.2		200.0	174.4	82.8		0.5		75	125	20
Potassium	<	5.7	10000.0	10050	100.5		---	---	---		---		75	125	20	876982-002		3638.00	10000.0	13240	96.0		10000.0	13280	96.4		0.3		75	125	20
Selenium	<	0.67	200.0	196.6	98.3		---	---	---		---		75	125	20	876982-002		0.6800	200.0	188.6	94.0		200.0	186.9	93.1		0.9		75	125	20
Silver	J	2	100.0	106.8	106.8		---	---	---		---		75	125	20	876982-002		7.000E-2	100.0	101.1	101.0		100.0	98.2	98.1		2.9		75	125	20
Sodium	<	17	10000.0	10340	103.4		---	---	---		---		75	125	20	876982-002		8786.00	10000.0	18530	97.4		10000.0	18900	101.1		2.0		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15258

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Thallium	<	0.053	200.0	189.9	94.9		---	—	---		---		75	125	20	876982-002	0.2400	200.0	195.9	97.8		200.0	198.1	98.9		1.1		75	125	20
Vanadium	<	0.1	200.0	191.2	95.6		—	—	---		—		75	125	20	876982-002	14.34	200.0	200	92.8		200.0	200.7	93.2		0.3		75	125	20
Zinc	<	0.98	200.0	203.2	101.6		—	---	---		—		75	125	20	876982-002	27.63	200.0	215.7	94.0		200.0	211	91.7		2.2		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15258

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 876970
Lab Section: WETCHEM-K
QC Batch Number: 15317
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2025-045MB	WCG2025-045MB
LCS	WCG2025-045MBLCS	WCG2025-045MBLCS
MS	876902-003MS	876902-003MS
MS	876896-003MS	876896-003MS
MSD	876902-003MSD	876902-003MSD
MSD	876896-003MSD	876896-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB	WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	97.9	97.9		---	---	---		---		80	120	20	876896-003		5.711	100.0	106.6	100.9		100.0	115.5	109.8		8.0		80	120	20
TOC as NPOC	<	0.72	100.0	97.9	97.9		---	---	---		---		80	120	20	876902-003		4.105	100.0	100.6	96.5		100.0	105.8	101.7		5.1		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15317

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 15361
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2045-072MB	WCG2045-072MB
LCS	WCG2045-072MBLCS	WCG2045-072MBLCS
MS	WLDS-002EMS	876970-002MS
MS	876839-010MS	876839-010MS
MSD	WLDS-002EMSD	876970-002MSD
MSD	876839-010MSD	876839-010MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	<	0.2	10	9.5	95.4		—	—	—		—		90	110	20	876839-010	<	0.2	10	9.6	96.3		10	9.7	97.2		0.9		90	110	20
Nitrogen, Ammonia	<	0.2	10	9.5	95.4		—	—	—		—		90	110	20	876970-002	<	0.2	10	9.8	97.7		10	9.8	97.8		0.1		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15361

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 876970
Lab Section: WETCHEM-K
QC Batch Number: 15421
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2025-047MB	WCG2025-047MB
LCS	WCG2025-047MBLCS	WCG2025-047MBLCS
MS	877443-002MS	877443-002MS
MS	HTPS-001EMS	876970-001MS
MSD	877443-002MSD	877443-002MSD
MSD	HTPS-001EMSD	876970-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	< 0.72	100.0	95.2	95.2		—	—	---		---		80	120	20	876970-001	9.623	100.0	112	102.4		100.0	107.2	97.6		4.4		80	120	20
TOC as NPOC - Dissolved	< 0.72	100.0	95.2	95.2		—	—	---		---		80	120	20	877443-002	4.202	100.0	105.6	101.3		100.0	94.7	90.5		10.9		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15421

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 876970
Lab Section: WETCHEM
QC Batch Number: 15554
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2028-059MB	WCG2028-059MB
LCS	WCG2028-059MBLCS	WCG2028-059MBLCS
MS	WLDS-002EMS	876970-002MS
MS	HTPS-001EMS	876970-001MS
MSD	WLDS-002EMSD	876970-002MSD
MSD	HTPS-001EMSD	876970-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	876970-001	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002E	876970-002	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride		<	0.82	20.0	19.1	95.7		—	—	—		—		90	110	20	876970-001		3.66	20.0	21.5	89.2	N	20.0	22.3	93.1		3.6		90	110	20
Fluoride		<	0.096	2.0	2	99.0		—	—	—		—		90	110	20	876970-001		0.45	2.0	2.4	99.0		2.0	2.5	101.5		2.0		90	110	20
Sulfate		<	0.77	16.0	15.3	95.8		—	—	—		—		90	110	20	876970-001		15.4	16.0	31.2	98.6		16.0	32.1	103.9		2.7		90	110	20
Chloride		<	0.82	20.0	19.1	95.7		—	—	—		—		90	110	20	876970-002		3.43	20.0	21.6	91.0		20.0	21.9	92.3		1.2		90	110	20
Fluoride		<	0.096	2.0	2	99.0		—	—	—		—		90	110	20	876970-002		0.25	2.0	2.2	98.5		2.0	2.2	99.5		0.9		90	110	20
Sulfate		<	0.77	16.0	15.3	95.8		—	—	—		—		90	110	20	876970-002		1.82	16.0	16.3	90.7		16.0	16.3	90.5		0.2		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15554

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth & Van Dyke Project # 876970

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 0.5°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/6/06 – DS

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☑No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO2, NO3, turbidity
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. -001, -002; lab added 5ml of HNO3 to 500 ml unpreserved poly for alpha & beta analyses. – DS 10/6/06
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☑No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed DS Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 11/3/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical®

Page: 1 of 1

0992729

✓ MRIC

Section A Required Client Information:

Company: North Jackson Company
Address: 1004 Harbor Hills Dr. Ste 102, Marquette, MI 49855
Email To: dwittala@northjacksonco.com
Phone: 906 225 6787 Fax: 906 225 6769
Requested Due Date/TAT:

Section B Required Project Information:

Report To: J. Kesy
Copy To: Fathi Van Dyke
Purchase Order No.:
Project Name: Humboldt M. 11
Project Number:

Section C Invoice Information:

Attention: J. Kesy
Company Name: FUD
Address: Green Bay, WI
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION: ☐GA ☐IL ☐IN ☒MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH + ZnAc	$Na_2S_2O_3$	Methanol	Other	Analysis: See Fathi Van Dyke parameter list	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	HTPS-001E	WT	G			10/5/06	1420	13.2	14	5	3	1	4	1						001
2	WLDS-002E	WT	G			10/5/06	1330	16.3	14	5	3	1	4	1						002
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Preservatives

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Fed Ex		
Fed Ex	10/6/06	1030	Jon Steuerno	10/6/06	1030

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
0.5	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

Additional Comments:

DOC Field Filtered

Fed Ex TRK# 7980 1335 0218

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dan Wittala Andy Maracini

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

Batch No. 876839

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

November 6, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 876839 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Allen Wh for Tod N

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 876839

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
876839-001	MBRS-001	WATER	10/03/06 11:20
876839-002	WBRS-001	WATER	10/03/06 08:15
876839-003	WBRS-002	WATER	10/03/06 10:15
876839-004	WBRS-003	WATER	10/03/06 10:45
876839-005	EBRS-001	WATER	10/03/06 12:20
876839-006	WLDS-001	WATER	10/03/06 12:50
876839-007	DUPS-001	WATER	10/03/06
876839-008	MERS-001	WATER	10/03/06 13:35
876839-009	MERS-002	WATER	10/03/06 14:10
876839-010	MERS-003	WATER	10/03/06 14:30
876839-011	FBKS-001	WATER	10/03/06 07:00
876839-012	TBKS-001	WATER	10/03/06
876839-013	WLDS-003E	WATER	10/03/06 14:40
876839-014	HTPS-002E	WATER	10/03/06 13:05
876839-015	FBKS-001	WATER	10/03/06
876839-016	EQBS-001	WATER	10/03/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alec Hn for Tod N

Approval Signature

11/6/06

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.724		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	39		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	22		0.82	5.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
COD	12	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.27	B	0.096	0.50	1	mg/L	N	10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	6.9		0.77	4.0	1	mg/L	AN	10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.1		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.9		0.72	2.0	1	mg/L		10/13/06	EPA 415.2	EPA 415.2
Total Alkalinity	39		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.50	B	0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	4.2		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-001

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	3.80		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	13		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	7.3		0.82	5.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
COD	44		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	8.2		0.77	4.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	24		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	20		0.72	2.0	1	mg/L		10/13/06	EPA 415.2	EPA 415.2
Total Alkalinity	13		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	110		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	19		0.95	4.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	2.2		0.44	1.0	1	NTU		10/04/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-002

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.947		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	26		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	33		0.82	5.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
COD	24		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.25	B	0.096	0.50	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	5.4		0.77	4.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	13		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	13		0.72	2.0	1	mg/L		10/13/06	EPA 415.2	EPA 415.2
Total Alkalinity	26		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	6.4		0.48	2.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	21		0.44	1.0	1	NTU		10/04/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-003

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.747		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	54		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	14		0.82	5.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
COD	15	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.29	B	0.096	0.50	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	8.8		0.77	4.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.3		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.8		0.72	2.0	1	mg/L	X	10/15/06	EPA 415.2	EPA 415.2
Total Alkalinity	54		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	4.6		0.48	2.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	15		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-004

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.23		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	120		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	3.3	B	0.82	5.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
COD	24		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.37	B	0.096	0.50	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	8.0		0.77	4.0	1	mg/L	A	10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.3		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	10		0.72	2.0	1	mg/L		10/13/06	EPA 415.2	EPA 415.2
Total Alkalinity	120		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	160		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.0		0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	1.7		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-005

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.338	B	0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	100		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.49	B	0.096	0.50	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.5		0.77	4.0	1	mg/L		10/25/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	4.9		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.0		0.72	2.0	1	mg/L		10/13/06	EPA 415.2	EPA 415.2
Total Alkalinity	100		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	5.4		0.48	2.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	19		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-006

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	104		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-007

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.807		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	39		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	24		0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	6.9		0.77	4.0	1	mg/L	N	10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.7		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	11		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	39		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.70	B	0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	4.1		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-007

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-008

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.04		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	44		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	11		0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	6.4		0.77	4.0	1	mg/L		10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/06/06	EPA 376.1	EPA 376.1
TOC as NPOC	4.6		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	4.4		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	44		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	76		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.5		0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	4.1		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-008

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-009

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.15		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	13		0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	11		0.77	4.0	1	mg/L		10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	4.6		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.1		0.72	2.0	1	mg/L	X	10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.8		0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	5.3		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-009

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-010

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	1.27		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	15		0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	10	U	10	21	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	12		0.77	4.0	1	mg/L		10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	5.2		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	4.7		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	110		11	20	1	mg/L		10/06/06	EPA 160.1	EPA 160.1
Total Suspended Solids	2.8		0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	7.0		0.44	1.0	1	NTU	H	10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-010

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-011

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury	INCL.									
Mercury - Low Level	0.169	U	0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	4.4	B	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	2.7	B	0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	2.0	B	0.77	4.0	1	mg/L		10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
Total Alkalinity	4.4	B	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	11	U	11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.24	U	0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU		10/04/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-011

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TBKS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-012

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-013

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.638		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	22		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	2.3	B	0.82	5.0	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
COD	15	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.18	B	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	3.2	B	0.77	4.0	1	mg/L		10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	9.0		0.72	2.0	1	mg/L	X	10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.4		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	22		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	30		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.5		0.24	1.0	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	1.9		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-013

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-014

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.812		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Chloride	2.3	B	0.82	5.0	1	mg/L	N	10/27/06	EPA 300.0	EPA 300.0
COD	24		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.28	B	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	U	0.20	0.70	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.10	U	0.10	0.30	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	3.9	B	0.77	4.0	1	mg/L	N	10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	11		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	11		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	50		1.7	10	1	mg/L		10/09/06	SM 2320B	SM 2320B
Total Dissolved Solids	60		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	5.2		0.59	2.5	1	mg/L		10/06/06	EPA 160.2	EPA 160.2
Turbidity	5.0		0.44	1.0	1	NTU		10/05/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

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Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-014

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	104		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-015

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC - Dissolved	0.72	U	0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876839

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EQBS-001

Matrix Type : WATER
Collection Date : 10/03/06
Report Date : 11/03/06
Lab Sample Number : 876839-016

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC - Dissolved	0.72	U	0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2

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920-469-2436
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Lab Number	TestGroupID	Field ID	Comment
876839	W-CL-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.66 mg/L. For samples 001,002,003,004 & 005
876839	W-SO4-W	All Samples	A - Analyte is detected in the method blank at a concentration of 1.95 mg/L. 001,002,003,004,005.
876839-004	W-TOC-D	WBRS-003	X - Unable to achieve 10% RPD on consecutive samples. An average of 5 injections was reported.
876839-009	W-TOC-D	MERS-002	X - Unable to achieve 10% RPD on consecutive injections. An average of 5 injections was reported.
876839-010	W-TURB-W	MERS-003	H - Analysis performed one day past holding time.
876839-013	W-TOC-W	WLDS-003E	X - Unable to achieve 10% RPD on consecutive injections. An average of 5 injections was reported.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876839-001	876839-002	876839-003	876839-004	876839-005	876839-006	876839-007	876839-008	876839-009	876839-010	876839-011	876839-012	876839-013	876839-014	876839-015	876839-016
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B	B	B	B	B	B	B	B		B	B		
ALUMINUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
ANTIMONY	M	M	M	M	M	M	M	M	M	M	M		M	M		
ARSENIC	M	M	M	M	M	M	M	M	M	M	M		M	M		
BARIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
BERYLLIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
BORON	M	M	M	M	M	M	M	M	M	M	M		M	M		
BTEX	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
CADMIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
CALCIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
CHLORIDE	B	B	B	B	B	B	B	B	B	B	B		B	B		
CHROMIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
COBALT	M	M	M	M	M	M	M	M	M	M	M		M	M		
COD	B	B	B	B	B	B	B	B	B	B	B		B	B		
COPPER	M	M	M	M	M	M	M	M	M	M	M		M	M		
FLUORIDE	B	B	B	B	B	B	B	B	B	B	B		B	B		
HARDNESS	M	M	M	M	M	M	M	M	M	M	M		M	M		
IRON	M	M	M	M	M	M	M	M	M	M	M		M	M		
LEAD	M	M	M	M	M	M	M	M	M	M	M		M	M		
LITHIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
MAGNESIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
MANGANESE	M	M	M	M	M	M	M	M	M	M	M		M	M		
MERCURY											M					
MERCURY - LOW LEVEL	K	K	K	K	K	K	K	K	K	K	K		K	K		
MOLYBDENUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
NICKEL	M	M	M	M	M	M	M	M	M	M	M		M	M		
NITROGEN, AMMONIA	B	B	B	B	B	B	B	B	B	B	B		B	B		
NITROGEN, NITRATE	C	C	C	C	C	C	C	C	C	C	C		C	C		
NITROGEN, NITRITE	C	C	C	C	C	C	C	C	C	C	C		C	C		
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M	M	M	M	M	M	M	M		M	M		
POTASSIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
SAS	W	W	W	W	W	W	W	W	W	W	W		W	W		
SELENIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
SILVER	M	M	M	M	M	M	M	M	M	M	M		M	M		
SODIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
SOLIDS, TOTAL DISSOLVED	B	B	B	B	B	B	B	B	B	B	B		B	B		
SOLIDS, TOTAL SUSPENDED	B	B	B	B	B	B	B	B	B	B	B		B	B		
SULFATE	B	B	B	B	B	B	B	B	B	B	B		B	B		
SULFIDE	B	B	B	B	B	B	B	B	B	B	B		B	B		
THALLIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
TOC AS NPOC	K	K	K	K	K	K	K	K	K	K	K		K	K		

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876839-001	876839-002	876839-003	876839-004	876839-005	876839-006	876839-007	876839-008	876839-009	876839-010	876839-011	876839-012	876839-013	876839-014	876839-015	876839-016
TOC AS NPOC - DISSOLVED	K	K	K	K	K	K	K	K	K	K			K	K	K	K
TURBIDITY	B	B	B	B	B	B	B	B	B	B	B		B	B		
VANADIUM	M	M	M	M	M	M	M	M	M	M	M		M	M		
ZINC	M	M	M	M	M	M	M	M	M	M	M		M	M		

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
C	Subcontracted Analysis		See Report
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madisón, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch Number: 876839
Lab Section: METALS-K
QC Batch Number: 15085
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-013	MBMTK0966-013
MB2	MB2WMTK0966-013	MB2WMTK0966-013
MB3	MB3WMTK0966-013	MB3WMTK0966-013
IPR	IPRWMTK0966-013	IPRWMTK0966-013
OPR	OPRWMTK0966-013	OPRWMTK0966-013
MS	876947-002MS	876947-002MS
MS	MERS-001MS	876839-008MS
MSD	876947-002MSD	876947-002MSD
MSD	MERS-001MSD	876839-008MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
MBRS-001	876839-001	WBRS-001	876839-002
WBRS-002	876839-003	WBRS-003	876839-004
EBRS-001	876839-005	WLDS-001	876839-006
DUPS-001	876839-007	MERS-001	876839-008
MERS-002	876839-009	MERS-003	876839-010
FBKS-001	876839-011	WLDS-003E	876839-013
HTPS-002E	876839-014		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.169	0.2285	< 0.169	5	5.383	107.7	4.313	86.3	79	121	876839-008	1.0	5.0	6.3	106.1		5.0	6	100.2		4.8		75	125	24
Mercury - Low Level											876947-002	984.00	1000.0	1853.9	87.0		1000.0	1831.6	84.8		1.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15085

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 876839
Lab Section: METALS-K
QC Batch Number: 15085
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-013	MBMTK0966-013
MB2	MB2WMTK0966-013	MB2WMTK0966-013
MB3	MB3WMTK0966-013	MB3WMTK0966-013
IPR	IPRWMTK0966-013	IPRWMTK0966-013
OPR	OPRWMTK0966-013	OPRWMTK0966-013
MS	876947-002MS	876947-002MS
MS	MERS-001MS	876839-008MS
MSD	876947-002MSD	876947-002MSD
MSD	MERS-001MSD	876839-008MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
MBRS-001	876839-001	WBRS-001	876839-002
WBRS-002	876839-003	WBRS-003	876839-004
EBRS-001	876839-005	WLDS-001	876839-006
DUPS-001	876839-007	MERS-001	876839-008
MERS-002	876839-009	MERS-003	876839-010
FBKS-001	876839-011	WLDS-003E	876839-013
HTPS-002E	876839-014		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.169	0.2285	< 0.169	5	5.383	107.7	4.313	86.3	79	121	876839-008	1.0	5.0	6.3	106.1		5.0	6	100.2		4.8		75	125	24
Mercury - Low Level											876947-002	984.00	1000.0	1853.9	87.0		1000.0	1831.6	84.8		1.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15085

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

October 17, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders

jane.eilders@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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Phone: (612)607-1700
Fax: (612)607-6444

SAMPLE SUMMARY

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Lab ID	Sample ID	Matrix	Date Collected	Date Received
876839001	MBRS-001	Water	10/03/06 00:00	10/05/06 09:05
876839002	WBRS-001	Water	10/03/06 00:00	10/05/06 09:05
876839003	WBRS-002	Water	10/03/06 00:00	10/05/06 09:05
876839004	WBRS-003	Water	10/03/06 00:00	10/05/06 09:05
876839005	EBRS-001	Water	10/03/06 00:00	10/05/06 09:05
876839006	WLDS-001	Water	10/03/06 00:00	10/05/06 09:05
876839007	DUPS-001	Water	10/03/06 00:00	10/05/06 09:05
876839008	MERS-001	Water	10/03/06 00:00	10/05/06 09:05
876839009	MERS-002	Water	10/03/06 00:00	10/05/06 09:05
876839010	METS-003	Water	10/03/06 00:00	10/05/06 09:05
876839011	FBKS-001	Water	10/03/06 00:00	10/05/06 09:05
876839013	WLDS-003E	Water	10/03/06 00:00	10/05/06 09:05
876839014	HTPS-002E	Water	10/03/06 00:00	10/05/06 09:05

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SAMPLE ANALYTE COUNT

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Lab ID	Sample ID	Method	Analytes Reported
876839001	MBRS-001	EPA 1664 TPH	1
		EPA 6020	26
876839002	WBRS-001	EPA 1664 TPH	1
		EPA 6020	26
876839003	WBRS-002	EPA 1664 TPH	1
		EPA 6020	26
876839004	WBRS-003	EPA 1664 TPH	1
		EPA 6020	26
876839005	EBRS-001	EPA 1664 TPH	1
		EPA 6020	26
876839006	WLDS-001	EPA 1664 TPH	1
		EPA 6020	26
876839007	DUPS-001	EPA 1664 TPH	1
		EPA 6020	26
876839008	MERS-001	EPA 1664 TPH	1
		EPA 6020	26
876839009	MERS-002	EPA 1664 TPH	1
		EPA 6020	26
876839010	METS-003	EPA 1664 TPH	1
		EPA 6020	26
876839011	FBKS-001	EPA 1664 TPH	1
		EPA 6020	26
876839013	WLDS-003E	EPA 1664 TPH	1
		EPA 6020	26
876839014	HTPS-002E	EPA 1664 TPH	1
		EPA 6020	26

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: MBRS-001 Lab ID: 876839001 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**15.7**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 17:46	7429-90-5	
Antimony	**0.045J**	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 17:46	7440-36-0	
Arsenic	**0.52**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 17:46	7440-38-2	
Barium	**7.6**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 17:46	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 17:46	7440-41-7	
Boron	**15.6**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 08:49	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 17:46	7440-43-9	
Calcium	**12200**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 17:50	7440-70-2	
Chromium	**0.17J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 17:46	7440-47-3	
Cobalt	**0.071**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 17:46	7440-48-4	
Copper	**0.19**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 17:46	7440-50-8	
Iron	**808**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 17:46	7439-89-6	
Lead	**0.038J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 17:46	7439-92-1	
Lithium	**1.3**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 17:46	7439-93-2	
Magnesium	**5940**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 17:50	7439-95-4	
Manganese	**33.8**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 17:46	7439-96-5	
Molybdenum	**0.43**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 17:46	7439-98-7	
Nickel	**0.69**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 17:46	7440-02-0	
Potassium	**1150**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 17:46	7440-09-7	
Selenium	**0.12J**	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 17:46	7782-49-2	
Silver	**0.11J**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 17:46	7440-22-4	
Sodium	**11800**	ug/L	550	170	50	10/05/06 00:00	10/12/06 17:50	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 17:46	7440-28-0	
Total Hardness by 2340B	**55000**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 17:50		
Vanadium	**0.47**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 17:46	7440-62-2	
Zinc	**2.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 17:46	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/12/06 11:59		

Sample: WBRS-001 Lab ID: 876839002 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**135**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 17:54	7429-90-5	
Antimony	**0.049J**	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 17:54	7440-36-0	
Arsenic	**1.2**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 17:54	7440-38-2	
Barium	**9.8**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 17:54	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 17:54	7440-41-7	
Boron	**9.4**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 08:53	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 17:54	7440-43-9	
Calcium	**6050**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 17:58	7440-70-2	
Chromium	**0.57**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 17:54	7440-47-3	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: WBRS-001 Lab ID: 876839002 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Cobalt	**0.21**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 17:54	7440-48-4	
Copper	**0.56**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 17:54	7440-50-8	
Iron	**1210**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 17:54	7439-89-6	
Lead	**0.32**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 17:54	7439-92-1	
Lithium	**0.81**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 17:54	7439-93-2	
Magnesium	**2470**	ug/L	1.3	0.38	1	10/05/06 00:00	10/12/06 17:54	7439-95-4	
Manganese	**46.0**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 17:54	7439-96-5	
Molybdenum	**0.064J**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 17:54	7439-98-7	
Nickel	**0.95**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 17:54	7440-02-0	
Potassium	**592**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 17:54	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 17:54	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 17:54	7440-22-4	
Sodium	**4430**	ug/L	22.0	6.8	2	10/05/06 00:00	10/16/06 08:53	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 17:54	7440-28-0	
Total Hardness by 2340B	**25300**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 17:58		
Vanadium	**0.80**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 17:54	7440-62-2	
Zinc	**81.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 17:54	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		10/12/06 11:59		

Sample: WBRS-002 Lab ID: 876839003 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**47.2**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 18:11	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 18:11	7440-36-0	
Arsenic	**3.0**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 18:11	7440-38-2	
Barium	**10.5**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 18:11	7440-39-3	
Beryllium	**0.017J**	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:11	7440-41-7	
Boron	**25.1**	ug/L	2.8	0.85	5	10/05/06 00:00	10/16/06 09:01	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:11	7440-43-9	
Calcium	**9110**	ug/L	30.0	9.0	5	10/05/06 00:00	10/16/06 09:01	7440-70-2	
Chromium	**0.29J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 18:11	7440-47-3	
Cobalt	**0.29**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 18:11	7440-48-4	
Copper	**0.42**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 18:11	7440-50-8	
Iron	**3930**	ug/L	105	31.5	5	10/05/06 00:00	10/16/06 09:01	7439-89-6	
Lead	**0.090J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 18:11	7439-92-1	
Lithium	**1.6**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 18:11	7439-93-2	
Magnesium	**5170**	ug/L	6.5	1.9	5	10/05/06 00:00	10/16/06 09:01	7439-95-4	
Manganese	**355**	ug/L	0.80	0.24	5	10/05/06 00:00	10/16/06 09:01	7439-96-5	
Molybdenum	**0.23**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 18:11	7439-98-7	
Nickel	**1.1**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:11	7440-02-0	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: WBRS-002 Lab ID: 876839003 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Potassium	1880	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 18:11	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 18:11	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:11	7440-22-4	
Sodium	19600	ug/L	550	170	50	10/05/06 00:00	10/12/06 18:15	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 18:11	7440-28-0	
Total Hardness by 2340B	44000	ug/L	590	178	5	10/05/06 00:00	10/16/06 09:01		
Vanadium	0.75	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 18:11	7440-62-2	
Zinc	2.0	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 18:11	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	4.0J	mg/L	5.1	2.3	1		10/12/06 11:59		

Sample: WBRS-003 Lab ID: 876839004 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	34.7	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 18:43	7429-90-5	
Antimony	0.044J	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 18:43	7440-36-0	
Arsenic	1.2	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 18:43	7440-38-2	
Barium	8.1	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 18:43	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:43	7440-41-7	
Boron	25.0	ug/L	2.8	0.85	5	10/05/06 00:00	10/16/06 09:05	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:43	7440-43-9	
Calcium	14700	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 18:47	7440-70-2	
Chromium	0.14J	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 18:43	7440-47-3	
Cobalt	0.20	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 18:43	7440-48-4	
Copper	0.19	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 18:43	7440-50-8	
Iron	3060	ug/L	105	31.5	5	10/05/06 00:00	10/16/06 09:05	7439-89-6	
Lead	0.054J	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 18:43	7439-92-1	
Lithium	2.0	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 18:43	7439-93-2	
Magnesium	7360	ug/L	6.5	1.9	5	10/05/06 00:00	10/16/06 09:05	7439-95-4	
Manganese	159	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 18:43	7439-96-5	
Molybdenum	0.16	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 18:43	7439-98-7	
Nickel	0.66	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:43	7440-02-0	
Potassium	1060	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 18:43	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 18:43	7782-49-2	
Silver	0.055J	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:43	7440-22-4	
Sodium	8740	ug/L	55.0	17.0	5	10/05/06 00:00	10/16/06 09:05	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 18:43	7440-28-0	
Total Hardness by 2340B	66900	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 18:47		
Vanadium	0.66	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 18:43	7440-62-2	
Zinc	5.2	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 18:43	7440-66-6	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: WBRS-003 Lab ID: 876839004 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/12/06 11:59		

Sample: EBRS-001 Lab ID: 876839005 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**24.3**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 18:51	7429-90-5	
Antimony	**0.053J**	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 18:51	7440-36-0	
Arsenic	**0.61**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 18:51	7440-38-2	
Barium	**10.5**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 18:51	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:51	7440-41-7	
Boron	**20.4**	ug/L	2.8	0.85	5	10/05/06 00:00	10/16/06 09:25	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:51	7440-43-9	
Calcium	**27800**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 18:55	7440-70-2	
Chromium	**0.18J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 18:51	7440-47-3	
Cobalt	**0.12**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 18:51	7440-48-4	
Copper	**0.32**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 18:51	7440-50-8	
Iron	**477**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 18:51	7439-89-6	
Lead	**0.048J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 18:51	7439-92-1	
Lithium	**1.2**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 18:51	7439-93-2	
Magnesium	**12300**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 18:55	7439-95-4	
Manganese	**87.8**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 18:51	7439-96-5	
Molybdenum	**1.9**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 18:51	7439-98-7	
Nickel	**1.1**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:51	7440-02-0	
Potassium	**2320**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 18:51	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 18:51	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:51	7440-22-4	
Sodium	**2390**	ug/L	11.0	3.4	1	10/05/06 00:00	10/12/06 18:51	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 18:51	7440-28-0	
Total Hardness by 2340B	**120000**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 18:55		
Vanadium	**0.50**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 18:51	7440-62-2	
Zinc	**2.5**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 18:51	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/12/06 11:59		

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: WLDS-001 Lab ID: 876839006 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**11.9**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 18:59	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 18:59	7440-36-0	
Arsenic	**0.81**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 18:59	7440-38-2	
Barium	**9.1**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 18:59	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:59	7440-41-7	
Boron	**52.9**	ug/L	0.57	0.17	1	10/05/06 00:00	10/12/06 18:59	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 18:59	7440-43-9	
Calcium	**21500**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 19:03	7440-70-2	
Chromium	**0.11J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 18:59	7440-47-3	
Cobalt	**0.17**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 18:59	7440-48-4	
Copper	**0.12**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 18:59	7440-50-8	
Iron	**2130**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 18:59	7439-89-6	
Lead	**0.039J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 18:59	7439-92-1	
Lithium	**2.6**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 18:59	7439-93-2	
Magnesium	**10700**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 19:03	7439-95-4	
Manganese	**835**	ug/L	8.0	2.4	50	10/05/06 00:00	10/12/06 19:03	7439-96-5	
Molybdenum	**0.78**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 18:59	7439-98-7	
Nickel	**0.31**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:59	7440-02-0	
Potassium	**2130**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 18:59	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 18:59	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 18:59	7440-22-4	
Sodium	**1630**	ug/L	11.0	3.4	1	10/05/06 00:00	10/12/06 18:59	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 18:59	7440-28-0	
Total Hardness by 2340B	**97700**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 19:03		
Vanadium	**0.45**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 18:59	7440-62-2	
Zinc	**2.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 18:59	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/12/06 11:59		

Sample: DUPS-001 Lab ID: 876839007 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**16.1**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 19:07	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 19:07	7440-36-0	
Arsenic	**0.54**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 19:07	7440-38-2	
Barium	**7.4**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 19:07	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:07	7440-41-7	
Boron	**15.6**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:29	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:07	7440-43-9	
Calcium	**12000**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 19:11	7440-70-2	
Chromium	**0.15J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 19:07	7440-47-3	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: DUPS-001 Lab ID: 876839007 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Cobalt	**0.074**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 19:07	7440-48-4	
Copper	**0.31**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 19:07	7440-50-8	
Iron	**841**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 19:07	7439-89-6	
Lead	**0.041J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 19:07	7439-92-1	
Lithium	**1.3**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 19:07	7439-93-2	
Magnesium	**5710**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 19:11	7439-95-4	
Manganese	**39.8**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 19:07	7439-96-5	
Molybdenum	**0.42**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 19:07	7439-98-7	
Nickel	**0.55**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:07	7440-02-0	
Potassium	**1170**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 19:07	7440-09-7	
Selenium	**0.15J**	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 19:07	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:07	7440-22-4	
Sodium	**11100**	ug/L	550	170	50	10/05/06 00:00	10/12/06 19:11	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 19:07	7440-28-0	
Total Hardness by 2340B	**53600**	ug/L	5900	1760	50	10/05/06 00:00	10/12/06 19:11		
Vanadium	**0.50**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 19:07	7440-62-2	
Zinc	**1.9**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 19:07	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**9.1**	mg/L	5.1	2.3	1		10/12/06 11:59		

Sample: MERS-001 Lab ID: 876839008 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**24.1**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 19:44	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 19:44	7440-36-0	
Arsenic	**1.3**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 19:44	7440-38-2	
Barium	**8.7**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 19:44	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:44	7440-41-7	
Boron	**9.6**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:33	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:44	7440-43-9	
Calcium	**13400**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 19:48	7440-70-2	
Chromium	**0.22J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 19:44	7440-47-3	
Cobalt	**0.088**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 19:44	7440-48-4	
Copper	**0.23**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 19:44	7440-50-8	
Iron	**1030**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 19:44	7439-89-6	
Lead	**0.049J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 19:44	7439-92-1	
Lithium	**0.86**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 19:44	7439-93-2	
Magnesium	**4220**	ug/L	2.6	0.76	2	10/05/06 00:00	10/16/06 09:33	7439-95-4	
Manganese	**54.7**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 19:44	7439-96-5	
Molybdenum	**0.31**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 19:44	7439-98-7	
Nickel	**0.47**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:44	7440-02-0	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: MERS-001 **Lab ID: 876839008** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Potassium	**893**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 19:44	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 19:44	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:44	7440-22-4	
Sodium	**5860**	ug/L	550	170	50	10/05/06 00:00	10/12/06 19:48	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 19:44	7440-28-0	
Total Hardness by 2340B	**50800**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 19:48		
Vanadium	**0.82**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 19:44	7440-62-2	
Zinc	**2.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 19:44	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		10/12/06 11:59		

Sample: MERS-002 **Lab ID: 876839009** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**25.7**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 19:52	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 19:52	7440-36-0	
Arsenic	**1.8**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 19:52	7440-38-2	
Barium	**12.4**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 19:52	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:52	7440-41-7	
Boron	**12.3**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:37	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 19:52	7440-43-9	
Calcium	**16100**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 19:56	7440-70-2	
Chromium	**0.17J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 19:52	7440-47-3	
Cobalt	**0.40**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 19:52	7440-48-4	
Copper	**0.26**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 19:52	7440-50-8	
Iron	**1560**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 19:52	7439-89-6	
Lead	**0.045J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 19:52	7439-92-1	
Lithium	**0.95**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 19:52	7439-93-2	
Magnesium	**4720**	ug/L	2.6	0.76	2	10/05/06 00:00	10/16/06 09:37	7439-95-4	
Manganese	**157**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 19:52	7439-96-5	
Molybdenum	**0.40**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 19:52	7439-98-7	
Nickel	**0.71**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:52	7440-02-0	
Potassium	**1100**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 19:52	7440-09-7	
Selenium	**0.13J**	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 19:52	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 19:52	7440-22-4	
Sodium	**7610**	ug/L	550	170	50	10/05/06 00:00	10/12/06 19:56	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 19:52	7440-28-0	
Total Hardness by 2340B	**59800**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 19:56		
Vanadium	**0.93**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 19:52	7440-62-2	
Zinc	**2.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 19:52	7440-66-6	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: MERS-002 **Lab ID: 876839009** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		10/12/06 11:59		

Sample: METS-003 **Lab ID: 876839010** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**26.2**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 20:00	7429-90-5	
Antimony	**0.088J**	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 20:00	7440-36-0	
Arsenic	**1.8**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 20:00	7440-38-2	
Barium	**13.0**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 20:00	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:00	7440-41-7	
Boron	**13.4**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:42	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:00	7440-43-9	
Calcium	**17300**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 20:04	7440-70-2	
Chromium	**0.19J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 20:00	7440-47-3	
Cobalt	**0.42**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 20:00	7440-48-4	
Copper	**0.34**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 20:00	7440-50-8	
Iron	**1550**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 20:00	7439-89-6	
Lead	**0.049J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 20:00	7439-92-1	
Lithium	**1.0**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 20:00	7439-93-2	
Magnesium	**5100**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 20:04	7439-95-4	
Manganese	**163**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 20:00	7439-96-5	
Molybdenum	**0.47**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 20:00	7439-98-7	
Nickel	**0.90**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:00	7440-02-0	
Potassium	**1250**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 20:00	7440-09-7	
Selenium	**0.14J**	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 20:00	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:00	7440-22-4	
Sodium	**14400**	ug/L	550	170	50	10/05/06 00:00	10/12/06 20:04	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 20:00	7440-28-0	
Total Hardness by 2340B	**64100**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 20:04		
Vanadium	**0.99**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 20:00	7440-62-2	
Zinc	**2.0**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 20:00	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		10/12/06 11:59		

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: FBKS-001 **Lab ID: 876839011** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**11.4**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 20:08	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 20:08	7440-36-0	
Arsenic	ND	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 20:08	7440-38-2	
Barium	**0.052J**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 20:08	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:08	7440-41-7	
Boron	**190**	ug/L	0.57	0.17	1	10/05/06 00:00	10/12/06 20:08	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:08	7440-43-9	
Calcium	**24.1**	ug/L	6.0	1.8	1	10/05/06 00:00	10/12/06 20:08	7440-70-2	
Chromium	**0.14J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 20:08	7440-47-3	
Cobalt	**0.0089J**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 20:08	7440-48-4	
Copper	**2.0**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 20:08	7440-50-8	
Iron	**16.5J**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 20:08	7439-89-6	
Lead	**0.20**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 20:08	7439-92-1	
Lithium	ND	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 20:08	7439-93-2	
Magnesium	**1.4**	ug/L	1.3	0.38	1	10/05/06 00:00	10/12/06 20:08	7439-95-4	
Manganese	**0.055J**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 20:08	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 20:08	7439-98-7	
Nickel	**0.24**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:08	7440-02-0	
Potassium	ND	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 20:08	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 20:08	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:08	7440-22-4	
Sodium	**1310**	ug/L	11.0	3.4	1	10/05/06 00:00	10/12/06 20:08	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 20:08	7440-28-0	
Total Hardness by 2340B	**66.0J**	ug/L	118	35.5	1	10/05/06 00:00	10/12/06 20:08		
Vanadium	**0.46**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 20:08	7440-62-2	
Zinc	**3.3**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 20:08	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**2.5J**	mg/L	5.2	2.4	1		10/12/06 11:59		

Sample: WLDS-003E **Lab ID: 876839013** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**14.4**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 20:17	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 20:17	7440-36-0	
Arsenic	**0.20**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 20:17	7440-38-2	
Barium	**7.0**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 20:17	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:17	7440-41-7	
Boron	**10.7**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:46	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:17	7440-43-9	
Calcium	**4630**	ug/L	12.0	3.6	2	10/05/06 00:00	10/16/06 09:46	7440-70-2	
Chromium	**0.41**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 20:17	7440-47-3	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: WLDS-003E Lab ID: 876839013 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Cobalt	**0.043**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 20:17	7440-48-4	
Copper	**0.19**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 20:17	7440-50-8	
Iron	**490**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 20:17	7439-89-6	
Lead	**0.030J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 20:17	7439-92-1	
Lithium	**0.19**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 20:17	7439-93-2	
Magnesium	**1560**	ug/L	1.3	0.38	1	10/05/06 00:00	10/12/06 20:17	7439-95-4	
Manganese	**35.2**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 20:17	7439-96-5	
Molybdenum	ND	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 20:17	7439-98-7	
Nickel	**0.28**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:17	7440-02-0	
Potassium	**565**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 20:17	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 20:17	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:17	7440-22-4	
Sodium	**720**	ug/L	11.0	3.4	1	10/05/06 00:00	10/12/06 20:17	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 20:17	7440-28-0	
Total Hardness by 2340B	**18000**	ug/L	236	71.0	2	10/05/06 00:00	10/16/06 09:46		
Vanadium	**0.47**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 20:17	7440-62-2	
Zinc	**1.7**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 20:17	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		10/12/06 11:59		

Sample: HTPS-002E Lab ID: 876839014 Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**15.6**	ug/L	1.6	0.49	1	10/05/06 00:00	10/12/06 20:45	7429-90-5	
Antimony	ND	ug/L	0.13	0.039	1	10/05/06 00:00	10/12/06 20:45	7440-36-0	
Arsenic	**1.0**	ug/L	0.12	0.035	1	10/05/06 00:00	10/12/06 20:45	7440-38-2	
Barium	**6.2**	ug/L	0.11	0.033	1	10/05/06 00:00	10/12/06 20:45	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:45	7440-41-7	
Boron	**29.1**	ug/L	1.1	0.34	2	10/05/06 00:00	10/16/06 09:50	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/05/06 00:00	10/12/06 20:45	7440-43-9	
Calcium	**11600**	ug/L	300	90.0	50	10/05/06 00:00	10/12/06 20:49	7440-70-2	
Chromium	**0.25J**	ug/L	0.30	0.091	1	10/05/06 00:00	10/12/06 20:45	7440-47-3	
Cobalt	**0.11**	ug/L	0.029	0.0087	1	10/05/06 00:00	10/12/06 20:45	7440-48-4	
Copper	**0.14**	ug/L	0.087	0.026	1	10/05/06 00:00	10/12/06 20:45	7440-50-8	
Iron	**436**	ug/L	21.0	6.3	1	10/05/06 00:00	10/12/06 20:45	7439-89-6	
Lead	**0.053J**	ug/L	0.10	0.030	1	10/05/06 00:00	10/12/06 20:45	7439-92-1	
Lithium	**2.4**	ug/L	0.047	0.014	1	10/05/06 00:00	10/12/06 20:45	7439-93-2	
Magnesium	**5450**	ug/L	65.0	19.0	50	10/05/06 00:00	10/12/06 20:49	7439-95-4	
Manganese	**34.1**	ug/L	0.16	0.047	1	10/05/06 00:00	10/12/06 20:45	7439-96-5	
Molybdenum	**0.76**	ug/L	0.11	0.034	1	10/05/06 00:00	10/12/06 20:45	7439-98-7	
Nickel	**1.5**	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:45	7440-02-0	

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ANALYTICAL RESULTS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

Sample: HTPS-002E **Lab ID: 876839014** Collected: 10/03/06 00:00 Received: 10/05/06 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Potassium	**1380**	ug/L	30.0	9.1	1	10/05/06 00:00	10/12/06 20:45	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/05/06 00:00	10/12/06 20:45	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/05/06 00:00	10/12/06 20:45	7440-22-4	
Sodium	**1250**	ug/L	11.0	3.4	1	10/05/06 00:00	10/12/06 20:45	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/05/06 00:00	10/12/06 20:45	7440-28-0	
Total Hardness by 2340B	**51500**	ug/L	5900	1780	50	10/05/06 00:00	10/12/06 20:49		
Vanadium	**0.49**	ug/L	0.083	0.025	1	10/05/06 00:00	10/12/06 20:45	7440-62-2	
Zinc	**1.5**	ug/L	1.0	0.30	1	10/05/06 00:00	10/12/06 20:45	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		10/12/06 11:59		

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QUALITY CONTROL DATA

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

QC Batch: MPRP/7395 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 876839001, 876839002, 876839003, 876839004, 876839005, 876839006, 876839007, 876839008, 876839009

METHOD BLANK: 267560
Associated Lab Samples: 876839001, 876839002, 876839003, 876839004, 876839005, 876839006, 876839007, 876839008, 876839009, 876839010, 876839011, 876839013, 876839014

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	0.035J	0.047	
Boron	ug/L	0.42J	0.57	
Beryllium	ug/L	ND	0.057	
Sodium	ug/L	ND	11.0	
Magnesium	ug/L	ND	1.3	
Aluminum	ug/L	0.80J	1.6	
Potassium	ug/L	ND	30.0	
Calcium	ug/L	5.2J	6.0	
Vanadium	ug/L	ND	0.083	
Chromium	ug/L	ND	0.30	
Iron	ug/L	7.7J	21.0	
Manganese	ug/L	ND	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	0.074J	0.14	
Copper	ug/L	0.049J	0.087	
Zinc	ug/L	0.38J	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Silver	ug/L	0.15	0.14	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	ND	0.13	
Barium	ug/L	0.045J	0.11	
Thallium	ug/L	ND	0.067	
Lead	ug/L	ND	0.10	
Total Hardness by 2340B	ug/L	ND	118	

LABORATORY CONTROL SAMPLE: 267561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	ug/L	80	79.4	99	85-115	
Lithium	ug/L	80	88.6	111	85-115	
Beryllium	ug/L	80	80.5	101	85-115	
Boron	ug/L	80	85.2	106	85-115	
Sodium	ug/L	1000	1010	101	85-115	
Magnesium	ug/L	1000	1040	104	85-115	
Aluminum	ug/L	80	83.9	105	85-115	
Potassium	ug/L	1000	1030	103	85-115	
Calcium	ug/L	1000	1010	101	85-115	
Vanadium	ug/L	80	80.1	100	85-115	

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

LABORATORY CONTROL SAMPLE: 267561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	80	80.7	101	85-115	
Iron	ug/L	1000	1020	102	85-115	
Manganese	ug/L	80	80.5	101	85-115	
Cobalt	ug/L	80	80.8	101	85-115	
Nickel	ug/L	80	80.4	101	85-115	
Copper	ug/L	80	83.1	104	85-115	
Zinc	ug/L	80	79.7	100	85-115	
Arsenic	ug/L	80	78.2	98	85-115	
Selenium	ug/L	160	153	96	85-115	
Molybdenum	ug/L	80	80.7	101	85-115	
Cadmium	ug/L	80	78.4	98	85-115	
Antimony	ug/L	80	81.0	101	85-115	
Barium	ug/L	80	82.2	103	85-115	
Thallium	ug/L	80	82.5	103	85-115	
Lead	ug/L	80	80.3	100	85-115	
Total Hardness by 2340B	ug/L		6820			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 267562 267563

Parameter	Units	876839001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	1.3	80	80	82.1	80.3	101	99	70-130	2	20	
Beryllium	ug/L	ND	80	80	76.5	77.2	96	97	70-130	.9	20	
Boron	ug/L	15.6	80	80	88.5	88.4	91	91	70-130	.2	20	
Sodium	ug/L	11800	1000	1000	12300	11800	52	2	70-130	4	20	P6
Magnesium	ug/L	5940	1000	1000	6510	6600	57	66	70-130	1	20	P6
Aluminum	ug/L	15.7	80	80	96.9	97.1	101	102	70-130	.1	20	
Potassium	ug/L	1150	1000	1000	2370	2180	122	103	70-130	8	20	
Calcium	ug/L	12200	1000	1000	12600	12500	38	28	70-130	.8	20	P6
Vanadium	ug/L	0.47	80	80	79.6	79.5	99	99	70-130	.2	20	
Chromium	ug/L	0.17J	80	80	78.1	78.2	97	98	70-130	.1	20	
Iron	ug/L	808	1000	1000	1810	1800	100	100	70-130	.5	20	
Manganese	ug/L	33.8	80	80	115	115	101	101	70-130	.06	20	
Cobalt	ug/L	0.071	80	80	79.9	78.7	100	98	70-130	2	20	
Nickel	ug/L	0.69	80	80	79.2	77.7	98	96	70-130	2	20	
Copper	ug/L	0.19	80	80	79.7	78.1	99	97	70-130	2	20	
Zinc	ug/L	2.0	80	80	81.1	78.9	99	96	70-130	3	20	
Arsenic	ug/L	0.52	80	80	77.9	77.6	97	96	70-130	.4	20	
Selenium	ug/L	0.12J	160	160	153	154	96	96	70-130	.8	20	
Molybdenum	ug/L	0.43	80	80	78.5	79.4	98	99	70-130	1	20	
Silver	ug/L	0.11J	80	80	49.1	57.9	61	72	70-130	17	20	M0
Cadmium	ug/L	ND	80	80	78.3	78.2	98	98	70-130	.09	20	
Antimony	ug/L	0.045J	80	80	80.7	80.3	101	100	70-130	.5	20	
Barium	ug/L	7.6	80	80	87.1	86.1	99	98	70-130	1	20	
Thallium	ug/L	ND	80	80	84.3	83.8	105	105	70-130	.6	20	
Lead	ug/L	0.038J	80	80	80.8	80.2	101	100	70-130	.8	20	
Total Hardness by 2340B	ug/L	55000			58300	58400				.2	20	

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

SAMPLE DUPLICATE: 267566

Parameter	Units	876839002 Result	Dup Result	RPD	Max RPD	Qualifiers
Boron	ug/L	9.4	9.5	2	20	
Calcium	ug/L	6050	6060	.1	20	
Lithium	ug/L	0.81	0.82	1	20	
Beryllium	ug/L	ND	ND	75	20	
Sodium	ug/L	4430	4540	2	20	
Total Hardness by 2340B	ug/L	25300	25200	.2	20	
Magnesium	ug/L	2470	2450	.7	20	
Aluminum	ug/L	135	134	1	20	
Potassium	ug/L	592	579	2	20	
Vanadium	ug/L	0.80	0.79	2	20	
Chromium	ug/L	0.57	0.53	8	20	
Iron	ug/L	1210	1190	1	20	
Manganese	ug/L	46.0	45.7	.6	20	
Cobalt	ug/L	0.21	0.21	3	20	
Nickel	ug/L	0.95	0.90	5	20	
Copper	ug/L	0.56	0.62	10	20	
Zinc	ug/L	81.0	80.6	.5	20	
Arsenic	ug/L	1.2	1.2	.4	20	
Selenium	ug/L	ND	ND	200	20	
Molybdenum	ug/L	0.064J	0.062J	3	20	
Silver	ug/L	ND	ND	200	20	
Cadmium	ug/L	ND	ND	32	20	
Antimony	ug/L	0.049J	0.044J	10	20	
Barium	ug/L	9.8	9.6	2	20	
Thallium	ug/L	ND	ND	0	20	
Lead	ug/L	0.32	0.33	.5	20	

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Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

QC Batch: WET/7762 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 876839001, 876839002, 876839003, 876839004, 876839005, 876839006, 876839007, 876839008, 876839009, 876839010, 876839011, 876839013, 876839014

METHOD BLANK: 269547
Associated Lab Samples: 876839001, 876839002, 876839003, 876839004, 876839005, 876839006, 876839007, 876839008, 876839009, 876839010, 876839011, 876839013, 876839014

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 269548 269549

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	14.5	15.7	72	78	64-132	8	34	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 269550 269551

Parameter	Units	1039503005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20.2	20.4	18.5	16.5	90	80	64-132	11	34	

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QUALIFIERS

Project: 876839 FOTH & VAN DYKE
Pace Project No.: 1039539

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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Pace Analytical®
Waltz Mill Laboratory

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Madison, PA 15663
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Fax: 724.722.5208
www.pacelabs.com

October 27, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
876839 Foth & Van Dyke, A/B; Green Bay, WI
Pace Project No. 06-5283

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on October 6, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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ACCREDITED IN ACCORDANCE WITH nelac

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-5283
CLIENT: 876839 Foth & Van Dyke, A/B

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0610-0479	876839-001	0610-0480	876839-002
0610-0481	876839-003	0610-0482	876839-004
0610-0483	876839-005	0610-0484	876839-006
0610-0485	876839-007	0610-0486	876839-008
0610-0487	876839-009	0610-0488	876839-010
0610-0489	876839-011	0610-0490	876839-013
0610-0491	876839-014		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 10/27/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-5283
Groundwater Characterization; 876839 Foth & Van Dyke, A/B

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0610-0479	876839-001	(10/3/06)	10/25/06	0.588 ± 1.19	(2.77)
0610-0480	876839-002	(10/3/06)	10/25/06	1.41 ± 1.41	(2.72)
0610-0481	876839-003	(10/3/06)	10/25/06	0.507 ± 0.970	(2.22)
0610-0482	876839-004	(10/3/06)	10/25/06	-0.257 ± 0.813	(2.63)
0610-0483	876839-005	(10/3/06)	10/25/06	0.701 ± 1.13	(2.46)
0610-0484	876839-006	(10/3/06)	10/25/06	1.76 ± 1.29	(1.88)
0610-0485	876839-007	(10/3/06)	10/25/06	0.743 ± 0.985	(2.01)
0610-0486	876839-008	(10/3/06)	10/25/06	0.400 ± 1.00	(2.41)
0610-0487	876839-009	(10/3/06)	10/25/06	-0.384 ± 0.546	(2.18)
0610-0488	876839-010	(10/3/06)	10/25/06	0.523 ± 0.906	(2.01)
0610-0489	876839-011	(10/3/06)	10/25/06	-0.503 ± 0.657	(2.26)
0610-0490	876839-013	(10/3/06)	10/25/06	0.335 ± 1.14	(2.79)
0610-0491	876839-014	(10/3/06)	10/25/06	0.155 ± 1.04	(2.68)
0610-0492	Method Blank	(10/6/06)	10/25/06	0.209 ± 0.538	(1.33)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification Analyzed	Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0610-0479	876839-001	(10/3/06)	10/25/06	2.13 ± 1.29	(2.40)
0610-0480	876839-002	(10/3/06)	10/25/06	0.840 ± 1.19	(2.59)
0610-0481	876839-003	(10/3/06)	10/25/06	2.40 ± 1.34	(2.44)
0610-0482	876839-004	(10/3/06)	10/25/06	1.20 ± 1.20	(2.55)
0610-0483	876839-005	(10/3/06)	10/25/06	2.88 ± 1.57	(2.90)
0610-0484	876839-006	(10/3/06)	10/25/06	2.51 ± 1.24	(2.04)
0610-0485	876839-007	(10/3/06)	10/25/06	1.98 ± 1.09	(1.85)
0610-0486	876839-008	(10/3/06)	10/25/06	-0.010 ± 0.753	(1.86)
0610-0487	876839-009	(10/3/06)	10/25/06	1.42 ± 1.04	(2.04)
0610-0488	876839-010	(10/3/06)	10/25/06	0.843 ± 0.946	(2.01)
0610-0489	876839-011	(10/3/06)	10/25/06	-0.002 ± 0.860	(2.15)
0610-0490	876839-013	(10/3/06)	10/25/06	0.852 ± 0.922	(1.95)
0610-0491	876839-014	(10/3/06)	10/25/06	1.39 ± 0.956	(1.80)
0610-0492	Method Blank	(10/6/06)	10/25/06	-0.216 ± 0.648	(1.71)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth & Van Dyke Project # 876839

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional:
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 3.0, 3.0, 3.0, 3.0, 2.0 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/4/06 - LS

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. NO3, turbidity
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13. Added 5ml of HNO3 to the 500ml poly unpreserved volume for alpha & beta analyses. (For samples -001 thru -011, -013, -014) -LS 10/4/06
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☒No ☐N/A	Initial when completed: LS Lot # of added preservative:
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Att for TN **Date:** 11/6/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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Page: 1 of 1

0992730

Section A Required Client Information:

Company: North Jackson Co
Address: 1004 Harbor Hills Drive, Ste 102, Marquette, MI 49855
Email To: dwitala@northjacksonco.com
Phone: 906 2256787 Fax: 906 2256789
Requested Due Date/TAT:

Section B Required Project Information:

Report To: J. Kesy
Copy To: Fothi Van Dyke
Purchase Order No.:
Project Name: Humboldt Mill
Project Number:

Section C Invoice Information:

Attention: J. Kesy
Company Name: FVD
Address: Green Bay, WI
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☒ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Preservatives: 1-250ml HNO3; 1-500ml H2SO4; 1-500ml NaOH; 1-500ml NaOH+ZnAc; 1-500ml Methanol

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH+ZnAc	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: See Fothi Van Dyke Parameter List	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MBRS-001	WT	G	10/3/06		10/3/06	1120	9.7	14	5	3	1	4	1							001
2	WBRS-001	WT	G				0815	8.4													002
3	WBRS-002	WT	G				1015	12.1													003
4	WBRS-003	WT	G				1045	10.6													004
5	EBRS-001	WT	G				1220	11.8													005
6	WLOS-001	WT	G				1250	12.9													006
7	DUPS-001	WT	G				—	—													007
8	MERS-001	WT	G				1335	10.9													008
9	MERS-002	WT	G				1410	12.2													009
10	MERS-003	WT	G				1430	12.1													010
11	FBKS-001	WT	G				0700	NA	12	5	1	1	4	1							011
12	TBKS-001	WT	G				NA	NA	2				2	4	2ml	HCl	T.B				012

Additional Comments:

DOC Field Filtered

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION	Received on Ice	Custody Sealed Cooler	Samples Intact
Andrew Maracini/NJC	10/3/06	1600	Fed Ex				Y/N	Y/N	Y/N
Fed Ex	10/4/06	1000	Bri Stevens	10/4/06	1000	3.0	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

Temp in °C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Richard R Eng / Andrew Maracini

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0992728

Section A Required Client Information:

Company: NORTH Jackson Company
Address: 1034 Timber Hills Dr. Ste 102
Marquette MI 49855
Email To: dwitala@northjacksonco.com
Phone: 906 225 6787 Fax: 906 225 6789
Requested Due Date/TAT:

Section B Required Project Information:

Report To: J. Kesy
Copy To: Fotho Van Dyke
Purchase Order No.:
Project Name: Humboldt Mill
Project Number:

Section C Invoice Information:

Attention: J. Kesy
Company Name: FVD
Address: Green Bay, WI
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☒MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH+ZnAc	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) / Requested Analysis: See Fotho Van Dyke Parameter List	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	WLDS-002E	WT	G			10/3/06	1440	13.3	14	5	3	1	4	1						013
2	HTPS-002E	WT	G				1305	13.9	14	5	3	1	4	1						014
3	FBKS-001	WT	G				0700	NA	1		1	1-125ml amber								015
4	EQBS-001	WT	G				0715	NA	1		1			1						016
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Preservatives: Unpreserved; H_2SO_4 1-250ml; HNO_3 1-500ml; HCl 1-1L amber; NaOH+ZnAc 1-500ml; $Na_2S_2O_3$; Methanol; Other

Additional Comments:

DOC field filtered.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] / North Jackson	10-3-06	1615	Fed Ex		
Fed Ex	10/4/06	1000	[illegible]	10/4/06	1000

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
3.0	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dan Witala Kamran Syed

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM / DD / YY)

Batch No. 876896

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

November 6, 2006

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 876896 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alec Hoh for Tod N

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 876896

Client: FOTH & VAN DYKE

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
876896-001	TBKS-002	WATER	10/04/06
876896-002	DUPS-002	WATER	10/04/06
876896-003	LKLS-002E	WATER	10/04/06 12:00
876896-004	LKLS-001E	WATER	10/04/06 10:45
876896-005	HMPS-001E	WATER	10/04/06 15:25
876896-006	HMPS-001H	WATER	10/04/06 15:10

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Allen Hn for Tod N — 11/6/06

Approval Signature — Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TBKS-002

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-001

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-002

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.681		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Chloride	2.5	B	0.82	5.0	1	mg/L	N	10/27/06	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.1		0.77	4.0	1	mg/L	N	10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	8.4		0.72	2.0	1	mg/L		10/18/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.9		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	40		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.4		0.24	1.0	1	mg/L		10/07/06	EPA 160.2	EPA 160.2
Turbidity	2.9		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-002

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-002

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.633		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Chloride	2.5	B	0.82	5.0	1	mg/L	N*	10/27/06	EPA 300.0	EPA 300.0
COD	15	B	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		10/27/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	N	10/05/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	N	10/05/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.1		0.77	4.0	1	mg/L	N	10/26/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	5.7		0.72	2.0	1	mg/L		10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	10		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	36		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.6		0.24	1.0	1	mg/L		10/07/06	EPA 160.2	EPA 160.2
Turbidity	3.2		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

Analytical Report Number: 876896

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-003

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.700		0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Chloride	3.0	B	0.82	5.0	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
COD	24		9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		11/01/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	4.2		0.77	4.0	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	7.6		0.72	2.0	1	mg/L		10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.3		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	33		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	38		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	1.4		0.24	1.0	1	mg/L		10/07/06	EPA 160.2	EPA 160.2
Turbidity	3.3		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-004

BTEX

Prep Date: 10/09/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/09/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	103		80	124	1	%		10/09/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.290	B	0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	94		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Chloride	11		0.82	5.0	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L		11/01/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.20	U	0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	1.8		0.088	0.40	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	130		1.5	8.0	2	mg/L		10/09/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	2.2		0.72	2.0	1	mg/L	X	10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	2.2		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	94		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	300		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.41	B	0.24	1.0	1	mg/L		10/07/06	EPA 160.2	EPA 160.2
Turbidity	1.6		0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-005

BTEX

Prep Date: 10/10/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		10/10/06	SW846 5030B	SW846 M8021

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 876896

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001H

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	INCL.									
Antimony	INCL.									
Arsenic	INCL.									
Barium	INCL.									
Beryllium	INCL.									
Boron	INCL.									
Cadmium	INCL.									
Calcium	INCL.									
Chromium	INCL.									
Cobalt	INCL.									
Copper	INCL.									
Hardness	INCL.									
Iron	INCL.									
Lead	INCL.									
Lithium	INCL.									
Magnesium	INCL.									
Manganese	INCL.									
Mercury - Low Level	0.296	B	0.169	0.500	1	ng/L		10/11/06	EPA 1631E	EPA 1631E
Molybdenum	INCL.									
Nickel	INCL.									
Potassium	INCL.									
Selenium	INCL.									
Silver	INCL.									
Sodium	INCL.									
Thallium	INCL.									
Vanadium	INCL.									
Zinc	INCL.									
Bicarbonate Alkalinity	140		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Chloride	20		0.82	5.0	1	mg/L		10/07/06	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		10/11/06	EPA 410.4	EPA 410.4
Fluoride	0.32	B	0.096	0.50	1	mg/L		11/01/06	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	2.5		0.20	0.50	1	mg/L		10/20/06	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	2.7		0.088	0.40	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.13		0.040	0.10	1	mg/L	H	10/07/06	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	INCL.									
Sulfate	160		3.9	20	5	mg/L		10/09/06	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		10/07/06	EPA 376.1	EPA 376.1
TOC as NPOC	2.1		0.72	2.0	1	mg/L		10/19/06	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	2.9		0.72	2.0	1	mg/L		10/17/06	EPA 415.2	EPA 415.2
Total Alkalinity	140		1.7	10	1	mg/L		10/10/06	SM 2320B	SM 2320B
Total Dissolved Solids	420		11	20	1	mg/L		10/07/06	EPA 160.1	EPA 160.1
Total Suspended Solids	0.24	U	0.24	1.0	1	mg/L		10/07/06	EPA 160.2	EPA 160.2
Turbidity	0.81	B	0.44	1.0	1	NTU		10/06/06	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

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Analytical Report Number: 876896

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH & VAN DYKE
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001H

Matrix Type : WATER
Collection Date : 10/04/06
Report Date : 11/03/06
Lab Sample Number : 876896-006

BTEX

Prep Date: 10/10/06

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Toluene	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Xylene, o	0.36	U	0.36	1.0	1	ug/L		10/10/06	SW846 5030B	SW846 M8021
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100		80	124	1	%		10/10/06	SW846 5030B	SW846 M8021

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Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
876896-004	W-NO3, NO2-W	LKLS-001E	H - Analysis performed 26 hours and 40 minutes past holding time.
876896-005	W-NO3, NO2-W	HMPS-001E	H - Analysis performed 22 hours and 14 minutes past holding time.
876896-005	W-TOC-W	HMPS-001E	X - Unable to achieve 10% RPD on consecutive samples. An average of 5 injections was reported.
876896-006	W-NO3, NO2-W	HMPS-001H	H - Analysis performed 22 hours and 43 minutes past holding time.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876896-001	876896-002	876896-003	876896-004	876896-005	876896-006
ALKALINITY, BICARB/CARB/TOTAL		B	B	B	B	B
ALUMINUM		M	M	M	M	M
ANTIMONY		M	M	M	M	M
ARSENIC		M	M	M	M	M
BARIUM		M	M	M	M	M
BERYLLIUM		M	M	M	M	M
BORON		M	M	M	M	M
BTEX	G	G	G	G	G	G
CADMIUM		M	M	M	M	M
CALCIUM		M	M	M	M	M
CHLORIDE		B	B	B	B	B
CHROMIUM		M	M	M	M	M
COBALT		M	M	M	M	M
COD		B	B	B	B	B
COPPER		M	M	M	M	M
FLUORIDE		B	B	B	B	B
HARDNESS		M	M	M	M	M
IRON		M	M	M	M	M
LEAD		M	M	M	M	M
LITHIUM		M	M	M	M	M
MAGNESIUM		M	M	M	M	M
MANGANESE		M	M	M	M	M
MERCURY - LOW LEVEL		K	K	K	K	K
MOLYBDENUM		M	M	M	M	M
NICKEL		M	M	M	M	M
NITROGEN, AMMONIA		B	B	B	B	B
NITROGEN, NITRATE		B	B	B	B	B
NITROGEN, NITRITE		B	B	B	B	B
OIL & GREASE, TOTAL RECOVER - N		M	M	M	M	M
POTASSIUM		M	M	M	M	M
SAS		W	W	W	W	W
SELENIUM		M	M	M	M	M
SILVER		M	M	M	M	M
SODIUM		M	M	M	M	M
SOLIDS, TOTAL DISSOLVED		B	B	B	B	B
SOLIDS, TOTAL SUSPENDED		B	B	B	B	B
SULFATE		B	B	B	B	B
SULFIDE		B	B	B	B	B
THALLIUM		M	M	M	M	M
TOC AS NPOC		K	K	K	K	K
TOC AS NPOC - DISSOLVED		K	K	K	K	K

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	876896-001	876896-002	876896-003	876896-004	876896-005	876896-006
TURBIDITY		B	B	B	B	B
VANADIUM		M	M	M	M	M
ZINC		M	M	M	M	M

Code	Facility	Address	MI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	Not Certified
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified
M	Minnesota Laboratory	1700 Elm Street, Suite 200 Minneapolis, MN	Not Certified
W	Waltz Mill Radiochemistry Lab	P.O. Box 158 Madison, PA 15663	PADEP Recog.

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 876896
Lab Section: METALS-K
QC Batch Number: 15086
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-014	MBMTK0966-014
MB2	MB2WMTK0966-014	MB2WMTK0966-014
MB3	MB3WMTK0966-014	MB3WMTK0966-014
IPR	IPRWMTK0966-014	IPRWMTK0966-014
OPR	OPRWMTK0966-014	OPRWMTK0966-014
MS	876899-001MS	876899-001MS
MSD	876899-001MSD	876899-001MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
DUPS-002	876896-002	LKLS-002E	876896-003
LKLS-001E	876896-004	HMPS-001E	876896-005
HMPS-001H	876896-006		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.19	< 0.169	0.3665	5	5.309	106.2	4.832	96.6	79	121	876899-001	1.61	10.0	12.4	108.3		10.0	11.9	102.8		4.5		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/3/2006
QC Batch Number: 15086

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

October 19, 2006

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jane Eilders

Jane Eilders

jane.eilders@pacelabs.com
Project Coordinator

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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Fax: (612)607-6444

SAMPLE SUMMARY

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
876896002	DUPS-002	Water	10/04/06 00:00	10/06/06 08:55
876896003	LKLS-002E	Water	10/04/06 00:00	10/06/06 08:55
876896004	LKLS-001E	Water	10/04/06 00:00	10/06/06 08:55
876896005	HMPS-001E	Water	10/04/06 00:00	10/06/06 08:55
876896006	HMPS-001H	Water	10/04/06 00:00	10/06/06 08:55

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Fax: (612)607-6444

SAMPLE ANALYTE COUNT

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Lab ID	Sample ID	Method	Analytes Reported
876896002	DUPS-002	EPA 1664 TPH	1
		EPA 6020	26
876896003	LKLS-002E	EPA 1664 TPH	1
		EPA 6020	26
876896004	LKLS-001E	EPA 1664 TPH	1
		EPA 6020	26
876896005	HMPS-001E	EPA 1664 TPH	1
		EPA 6020	26
876896006	HMPS-001H	EPA 1664 TPH	1
		EPA 6020	26

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ANALYTICAL RESULTS

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Sample: DUPS-002 **Lab ID: 876896002** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**19.7**	ug/L	1.6	0.49	1	10/10/06 00:00	10/17/06 21:07	7429-90-5	
Antimony	**0.089J**	ug/L	0.13	0.039	1	10/10/06 00:00	10/17/06 21:07	7440-36-0	
Arsenic	**0.71**	ug/L	0.12	0.035	1	10/10/06 00:00	10/17/06 21:07	7440-38-2	
Barium	**2.9**	ug/L	0.11	0.033	1	10/10/06 00:00	10/17/06 21:07	7440-39-3	
Beryllium	**0.018J**	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:07	7440-41-7	
Boron	**10.7**	ug/L	0.57	0.17	1	10/10/06 00:00	10/17/06 21:07	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:07	7440-43-9	
Calcium	**7760**	ug/L	150	45.0	25	10/10/06 00:00	10/17/06 21:12	7440-70-2	
Chromium	**0.18J**	ug/L	0.30	0.091	1	10/10/06 00:00	10/17/06 21:07	7440-47-3	
Cobalt	**0.049**	ug/L	0.029	0.0087	1	10/10/06 00:00	10/17/06 21:07	7440-48-4	
Copper	**0.47**	ug/L	0.087	0.026	1	10/10/06 00:00	10/17/06 21:07	7440-50-8	
Iron	**426**	ug/L	21.0	6.3	1	10/10/06 00:00	10/17/06 21:07	7439-89-6	
Lead	**0.13**	ug/L	0.10	0.030	1	10/10/06 00:00	10/17/06 21:07	7439-92-1	
Lithium	**1.1**	ug/L	0.047	0.014	1	10/10/06 00:00	10/17/06 21:07	7439-93-2	
Magnesium	**3510**	ug/L	32.5	9.5	25	10/10/06 00:00	10/17/06 21:12	7439-95-4	
Manganese	**126**	ug/L	0.16	0.047	1	10/10/06 00:00	10/17/06 21:07	7439-96-5	
Molybdenum	**0.87**	ug/L	0.11	0.034	1	10/10/06 00:00	10/17/06 21:07	7439-98-7	
Nickel	**1.2**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:07	7440-02-0	
Potassium	**1120**	ug/L	30.0	9.1	1	10/10/06 00:00	10/17/06 21:07	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/10/06 00:00	10/17/06 21:07	7782-49-2	
Silver	**0.062J**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:07	7440-22-4	
Sodium	**946**	ug/L	11.0	3.4	1	10/10/06 00:00	10/17/06 21:07	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/10/06 00:00	10/17/06 21:07	7440-28-0	
Total Hardness by 2340B	**33800**	ug/L	2950	888	25	10/10/06 00:00	10/17/06 21:12		
Vanadium	**0.48**	ug/L	0.083	0.025	1	10/10/06 00:00	10/17/06 21:07	7440-62-2	
Zinc	**3.4**	ug/L	1.0	0.30	1	10/10/06 00:00	10/17/06 21:07	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		10/17/06 07:39		

Sample: LKLS-002E **Lab ID: 876896003** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**20.5**	ug/L	1.6	0.49	1	10/10/06 00:00	10/17/06 21:16	7429-90-5	
Antimony	**0.071J**	ug/L	0.13	0.039	1	10/10/06 00:00	10/17/06 21:16	7440-36-0	
Arsenic	**0.76**	ug/L	0.12	0.035	1	10/10/06 00:00	10/17/06 21:16	7440-38-2	
Barium	**3.0**	ug/L	0.11	0.033	1	10/10/06 00:00	10/17/06 21:16	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:16	7440-41-7	
Boron	**10.9**	ug/L	0.57	0.17	1	10/10/06 00:00	10/17/06 21:16	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:16	7440-43-9	
Calcium	**7680**	ug/L	150	45.0	25	10/10/06 00:00	10/17/06 21:20	7440-70-2	
Chromium	**0.16J**	ug/L	0.30	0.091	1	10/10/06 00:00	10/17/06 21:16	7440-47-3	

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ANALYTICAL RESULTS

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Sample: LKLS-002E Lab ID: 876896003 Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Cobalt	**0.053**	ug/L	0.029	0.0087	1	10/10/06 00:00	10/17/06 21:16	7440-48-4	
Copper	**0.45**	ug/L	0.087	0.026	1	10/10/06 00:00	10/17/06 21:16	7440-50-8	
Iron	**440**	ug/L	21.0	6.3	1	10/10/06 00:00	10/17/06 21:16	7439-89-6	
Lead	**0.10**	ug/L	0.10	0.030	1	10/10/06 00:00	10/17/06 21:16	7439-92-1	
Lithium	**1.1**	ug/L	0.047	0.014	1	10/10/06 00:00	10/17/06 21:16	7439-93-2	
Magnesium	**3470**	ug/L	32.5	9.5	25	10/10/06 00:00	10/17/06 21:20	7439-95-4	
Manganese	**139**	ug/L	0.16	0.047	1	10/10/06 00:00	10/17/06 21:16	7439-96-5	
Molybdenum	**0.87**	ug/L	0.11	0.034	1	10/10/06 00:00	10/17/06 21:16	7439-98-7	
Nickel	**1.3**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:16	7440-02-0	
Potassium	**1120**	ug/L	30.0	9.1	1	10/10/06 00:00	10/17/06 21:16	7440-09-7	
Selenium	ND	ug/L	0.40	0.12	1	10/10/06 00:00	10/17/06 21:16	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:16	7440-22-4	
Sodium	**981**	ug/L	11.0	3.4	1	10/10/06 00:00	10/17/06 21:16	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/10/06 00:00	10/17/06 21:16	7440-28-0	
Total Hardness by 2340B	**33500**	ug/L	2950	888	25	10/10/06 00:00	10/17/06 21:20		
Vanadium	**0.49**	ug/L	0.083	0.025	1	10/10/06 00:00	10/17/06 21:16	7440-62-2	
Zinc	**3.6**	ug/L	1.0	0.30	1	10/10/06 00:00	10/17/06 21:16	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/17/06 07:39		

Sample: LKLS-001E Lab ID: 876896004 Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**20.5**	ug/L	1.6	0.49	1	10/10/06 00:00	10/17/06 21:24	7429-90-5	
Antimony	**0.079J**	ug/L	0.13	0.039	1	10/10/06 00:00	10/17/06 21:24	7440-36-0	
Arsenic	**0.76**	ug/L	0.12	0.035	1	10/10/06 00:00	10/17/06 21:24	7440-38-2	
Barium	**3.0**	ug/L	0.11	0.033	1	10/10/06 00:00	10/17/06 21:24	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:24	7440-41-7	
Boron	**11.0**	ug/L	0.57	0.17	1	10/10/06 00:00	10/17/06 21:24	7440-42-8	
Cadmium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:24	7440-43-9	
Calcium	**7520**	ug/L	150	45.0	25	10/10/06 00:00	10/17/06 21:28	7440-70-2	
Chromium	**0.19J**	ug/L	0.30	0.091	1	10/10/06 00:00	10/17/06 21:24	7440-47-3	
Cobalt	**0.050**	ug/L	0.029	0.0087	1	10/10/06 00:00	10/17/06 21:24	7440-48-4	
Copper	**0.46**	ug/L	0.087	0.026	1	10/10/06 00:00	10/17/06 21:24	7440-50-8	
Iron	**426**	ug/L	21.0	6.3	1	10/10/06 00:00	10/17/06 21:24	7439-89-6	
Lead	**0.11**	ug/L	0.10	0.030	1	10/10/06 00:00	10/17/06 21:24	7439-92-1	
Lithium	**1.1**	ug/L	0.047	0.014	1	10/10/06 00:00	10/17/06 21:24	7439-93-2	
Magnesium	**3550**	ug/L	32.5	9.5	25	10/10/06 00:00	10/17/06 21:28	7439-95-4	
Manganese	**128**	ug/L	0.16	0.047	1	10/10/06 00:00	10/17/06 21:24	7439-96-5	
Molybdenum	**0.88**	ug/L	0.11	0.034	1	10/10/06 00:00	10/17/06 21:24	7439-98-7	
Nickel	**1.2**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:24	7440-02-0	

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ANALYTICAL RESULTS

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Sample: LKLS-001E **Lab ID: 876896004** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Potassium	**1130**	ug/L	30.0	9.1	1	10/10/06 00:00	10/17/06 21:24	7440-09-7	
Selenium	**0.16J**	ug/L	0.40	0.12	1	10/10/06 00:00	10/17/06 21:24	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:24	7440-22-4	
Sodium	**955**	ug/L	11.0	3.4	1	10/10/06 00:00	10/17/06 21:24	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/10/06 00:00	10/17/06 21:24	7440-28-0	
Total Hardness by 2340B	**33400**	ug/L	2950	888	25	10/10/06 00:00	10/17/06 21:28		
Vanadium	**0.48**	ug/L	0.083	0.025	1	10/10/06 00:00	10/17/06 21:24	7440-62-2	
Zinc	**2.7**	ug/L	1.0	0.30	1	10/10/06 00:00	10/17/06 21:24	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.4	1		10/17/06 07:39		

Sample: HMPS-001E **Lab ID: 876896005** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**12.4**	ug/L	1.6	0.49	1	10/10/06 00:00	10/17/06 21:32	7429-90-5	
Antimony	**7.9**	ug/L	0.13	0.039	1	10/10/06 00:00	10/17/06 21:32	7440-36-0	
Arsenic	**0.83**	ug/L	0.12	0.035	1	10/10/06 00:00	10/17/06 21:32	7440-38-2	
Barium	**7.1**	ug/L	0.11	0.033	1	10/10/06 00:00	10/17/06 21:32	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:32	7440-41-7	
Boron	**83.5**	ug/L	0.57	0.17	1	10/10/06 00:00	10/17/06 21:32	7440-42-8	
Cadmium	**0.021J**	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 21:32	7440-43-9	
Calcium	**46900**	ug/L	150	45.0	25	10/10/06 00:00	10/17/06 21:36	7440-70-2	
Chromium	**0.39**	ug/L	0.30	0.091	1	10/10/06 00:00	10/17/06 21:32	7440-47-3	
Cobalt	**3.1**	ug/L	0.029	0.0087	1	10/10/06 00:00	10/17/06 21:32	7440-48-4	
Copper	**1.7**	ug/L	0.087	0.026	1	10/10/06 00:00	10/17/06 21:32	7440-50-8	
Iron	**189**	ug/L	21.0	6.3	1	10/10/06 00:00	10/17/06 21:32	7439-89-6	
Lead	**0.11**	ug/L	0.10	0.030	1	10/10/06 00:00	10/17/06 21:32	7439-92-1	
Lithium	**3.5**	ug/L	0.047	0.014	1	10/10/06 00:00	10/17/06 21:32	7439-93-2	
Magnesium	**23600**	ug/L	32.5	9.5	25	10/10/06 00:00	10/17/06 21:36	7439-95-4	
Manganese	**69.7**	ug/L	0.16	0.047	1	10/10/06 00:00	10/17/06 21:32	7439-96-5	
Molybdenum	**11.4**	ug/L	0.11	0.034	1	10/10/06 00:00	10/17/06 21:32	7439-98-7	
Nickel	**8.4**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:32	7440-02-0	
Potassium	**8620**	ug/L	750	228	25	10/10/06 00:00	10/17/06 21:36	7440-09-7	
Selenium	**0.29J**	ug/L	0.40	0.12	1	10/10/06 00:00	10/17/06 21:32	7782-49-2	
Silver	ND	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 21:32	7440-22-4	
Sodium	**13900**	ug/L	275	85.0	25	10/10/06 00:00	10/17/06 21:36	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/10/06 00:00	10/17/06 21:32	7440-28-0	
Total Hardness by 2340B	**214000**	ug/L	2950	888	25	10/10/06 00:00	10/17/06 21:36		
Vanadium	**0.45**	ug/L	0.083	0.025	1	10/10/06 00:00	10/17/06 21:32	7440-62-2	
Zinc	**3.7**	ug/L	1.0	0.30	1	10/10/06 00:00	10/17/06 21:32	7440-66-6	

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ANALYTICAL RESULTS

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

Sample: HMPS-001E **Lab ID: 876896005** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		10/17/06 07:39		

Sample: HMPS-001H **Lab ID: 876896006** Collected: 10/04/06 00:00 Received: 10/06/06 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Aluminum	**11.7**	ug/L	1.6	0.49	1	10/10/06 00:00	10/17/06 22:05	7429-90-5	
Antimony	**32.5**	ug/L	0.13	0.039	1	10/10/06 00:00	10/17/06 22:05	7440-36-0	
Arsenic	**0.33**	ug/L	0.12	0.035	1	10/10/06 00:00	10/17/06 22:05	7440-38-2	
Barium	**8.9**	ug/L	0.11	0.033	1	10/10/06 00:00	10/17/06 22:05	7440-39-3	
Beryllium	ND	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 22:05	7440-41-7	
Boron	**139**	ug/L	0.57	0.17	1	10/10/06 00:00	10/17/06 22:05	7440-42-8	
Cadmium	**0.091**	ug/L	0.057	0.017	1	10/10/06 00:00	10/17/06 22:05	7440-43-9	
Calcium	**49800**	ug/L	150	45.0	25	10/10/06 00:00	10/17/06 22:09	7440-70-2	
Chromium	**0.16J**	ug/L	0.30	0.091	1	10/10/06 00:00	10/17/06 22:05	7440-47-3	
Cobalt	**17.4**	ug/L	0.029	0.0087	1	10/10/06 00:00	10/17/06 22:05	7440-48-4	
Copper	**3.0**	ug/L	0.087	0.026	1	10/10/06 00:00	10/17/06 22:05	7440-50-8	
Iron	**53.8**	ug/L	21.0	6.3	1	10/10/06 00:00	10/17/06 22:05	7439-89-6	
Lead	**0.070J**	ug/L	0.10	0.030	1	10/10/06 00:00	10/17/06 22:05	7439-92-1	
Lithium	**3.8**	ug/L	0.047	0.014	1	10/10/06 00:00	10/17/06 22:05	7439-93-2	
Magnesium	**28300**	ug/L	32.5	9.5	25	10/10/06 00:00	10/17/06 22:09	7439-95-4	
Manganese	**1240**	ug/L	4.0	1.2	25	10/10/06 00:00	10/17/06 22:09	7439-96-5	
Molybdenum	**45.5**	ug/L	0.11	0.034	1	10/10/06 00:00	10/17/06 22:05	7439-98-7	
Nickel	**214**	ug/L	3.5	1.1	25	10/10/06 00:00	10/17/06 22:09	7440-02-0	
Potassium	**18100**	ug/L	750	228	25	10/10/06 00:00	10/17/06 22:09	7440-09-7	
Selenium	**0.26J**	ug/L	0.40	0.12	1	10/10/06 00:00	10/17/06 22:05	7782-49-2	
Silver	**0.069J**	ug/L	0.14	0.043	1	10/10/06 00:00	10/17/06 22:05	7440-22-4	
Sodium	**27800**	ug/L	275	85.0	25	10/10/06 00:00	10/17/06 22:09	7440-23-5	
Thallium	ND	ug/L	0.067	0.020	1	10/10/06 00:00	10/17/06 22:05	7440-28-0	
Total Hardness by 2340B	**241000**	ug/L	2950	888	25	10/10/06 00:00	10/17/06 22:09		
Vanadium	**0.37**	ug/L	0.083	0.025	1	10/10/06 00:00	10/17/06 22:05	7440-62-2	
Zinc	**5.1**	ug/L	1.0	0.30	1	10/10/06 00:00	10/17/06 22:05	7440-66-6	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**2.9J**	mg/L	5.1	2.3	1		10/17/06 07:39		

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QUALITY CONTROL DATA

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

QC Batch: MPRP/7438 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 876896002, 876896003, 876896004, 876896005, 876896006

METHOD BLANK: 269063
Associated Lab Samples: 876896002, 876896003, 876896004, 876896005, 876896006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.047	
Sodium	ug/L	ND	11.0	
Beryllium	ug/L	ND	0.057	
Potassium	ug/L	ND	30.0	
Boron	ug/L	ND	0.57	
Magnesium	ug/L	0.76J	1.3	
Aluminum	ug/L	0.49J	1.6	
Calcium	ug/L	16.0	6.0	
Vanadium	ug/L	ND	0.083	
Chromium	ug/L	ND	0.30	
Iron	ug/L	ND	21.0	
Manganese	ug/L	0.20	0.16	
Cobalt	ug/L	ND	0.029	
Nickel	ug/L	0.043J	0.14	
Copper	ug/L	0.18	0.087	
Zinc	ug/L	1.2	1.0	
Arsenic	ug/L	ND	0.12	
Selenium	ug/L	ND	0.40	
Molybdenum	ug/L	ND	0.11	
Silver	ug/L	0.11J	0.14	
Cadmium	ug/L	ND	0.057	
Antimony	ug/L	0.058J	0.13	
Barium	ug/L	ND	0.11	
Thallium	ug/L	ND	0.067	
Lead	ug/L	0.035J	0.10	
Total Hardness by 2340B	ug/L	43.1J	118	

LABORATORY CONTROL SAMPLE: 269064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	85.5	107	85-115	
Beryllium	ug/L	80	83.5	104	85-115	
Boron	ug/L	80	84.4	105	85-115	
Sodium	ug/L	1000	996	100	85-115	
Magnesium	ug/L	1000	1000	100	85-115	
Aluminum	ug/L	80	79.2	99	85-115	
Potassium	ug/L	1000	1000	100	85-115	
Calcium	ug/L	1000	972	97	85-115	
Vanadium	ug/L	80	79.5	99	85-115	
Chromium	ug/L	80	79.8	100	85-115	
Iron	ug/L	1000	985	98	85-115	

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QUALITY CONTROL DATA

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

LABORATORY CONTROL SAMPLE: 269064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	80	79.0	99	85-115	
Cobalt	ug/L	80	77.9	97	85-115	
Nickel	ug/L	80	78.4	98	85-115	
Copper	ug/L	80	78.4	98	85-115	
Zinc	ug/L	80	78.3	98	85-115	
Arsenic	ug/L	80	77.7	97	85-115	
Selenium	ug/L	160	157	98	85-115	
Molybdenum	ug/L	80	79.3	99	85-115	
Silver	ug/L	80	82.0	103	85-115	
Cadmium	ug/L	80	79.8	100	85-115	
Antimony	ug/L	80	79.3	99	85-115	
Barium	ug/L	80	78.7	98	85-115	
Thallium	ug/L	80	78.7	98	85-115	
Lead	ug/L	80	79.3	99	85-115	
Total Hardness by 2340B	ug/L		6550			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 269065 269066

Parameter	Units	876896002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	1.1	80	80	89.2	81.2	110	100	70-130	9	20	
Beryllium	ug/L	0.018J	80	80	87.3	78.6	109	98	70-130	10	20	
Boron	ug/L	10.7	80	80	101	92.2	112	102	70-130	9	20	
Sodium	ug/L	946	1000	1000	2320	2230	137	128	70-130	4	20	M0
Magnesium	ug/L	3510	1000	1000	4140	4070	63	56	70-130	2	20	P6
Aluminum	ug/L	19.7	80	80	107	99.0	109	99	70-130	7	20	
Potassium	ug/L	1120	1000	1000	2400	2210	128	109	70-130	8	20	
Calcium	ug/L	7760	1000	1000	8430	8450	66	69	70-130	.3	20	P6
Vanadium	ug/L	0.48	80	80	87.5	79.2	109	98	70-130	10	20	
Chromium	ug/L	0.18J	80	80	87.5	78.9	109	98	70-130	10	20	
Iron	ug/L	426	1000	1000	1500	1390	107	96	70-130	7	20	
Manganese	ug/L	126	80	80	222	215	120	111	70-130	3	20	
Cobalt	ug/L	0.049	80	80	84.4	77.1	105	96	70-130	9	20	
Nickel	ug/L	1.2	80	80	85.6	76.5	105	94	70-130	11	20	
Copper	ug/L	0.47	80	80	85.9	77.7	107	97	70-130	10	20	
Zinc	ug/L	3.4	80	80	89.7	81.7	108	98	70-130	9	20	
Arsenic	ug/L	0.71	80	80	85.7	78.2	106	97	70-130	9	20	
Selenium	ug/L	ND	160	160	169	152	106	95	70-130	11	20	
Molybdenum	ug/L	0.87	80	80	74.3	78.6	92	97	70-130	6	20	
Silver	ug/L	0.062J	80	80	115	105	144	131	70-130	10	20	M0
Cadmium	ug/L	ND	80	80	87.3	79.4	109	99	70-130	10	20	
Antimony	ug/L	0.089J	80	80	73.8	78.1	92	98	70-130	6	20	
Barium	ug/L	2.9	80	80	88.6	79.8	107	96	70-130	10	20	
Thallium	ug/L	ND	80	80	83.9	78.1	105	98	70-130	7	20	
Lead	ug/L	0.13	80	80	86.7	80.0	108	100	70-130	8	20	
Total Hardness by 2340B	ug/L	33800			38100	37800				.7	20	

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Pace Analytical Services, Inc.
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Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

QUALITY CONTROL DATA

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

QC Batch: WET/7812 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 876896002, 876896003, 876896004, 876896005, 876896006

METHOD BLANK: 271405
Associated Lab Samples: 876896002, 876896003, 876896004, 876896005, 876896006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 271406 271407

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	14.4	15.3	72	76	64-132	6	34	

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
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Fax: (612)607-6444

QUALIFIERS

Project: 876896 FOTH & VANDYKE
Pace Project No.: 1039657

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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IRWO

Sending Region / Original Receipt Date:	Pace-WI / 10/5	Sending Project No:	876896
Receiving Region:	Pace-MN	Receiving Project No:	1039657
State of Sample Origin:	MI	Date IRWO / Sub-COC Prepared:	10-/5
Sending Project Manager:	TOD NOLTEMEYER	REQUESTED COMPLETION DATE:	10/19/06
Consolidated IRWO:	NO	Return Samples to Sending Region:	No
External Client:	FOTH&VAN DYKE	Was Completion Date pre-approved by receiving lab:	No
QC Deliverable Needed:	QC2	Reportable Units Needed:	any
Work Type if not Analytical:	-	Report on a Wet Weight or Dry Weight Basis:	wet
Any Other Special Requirements: (All questions go to sending PM)	METALS BY 6020. REPORT TO MDL.		

Test Requested	Quantity	Unit Price	Sub-Total 1	Test Requested	Quantity	Unit Price	Sub-Total 2
Metals by 6020	5	$ 182.00	$ 910.00				$ -
Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mg, Ni, Se, Ag, Zn, Mo, Ca, K, Na, Li, B, Tl,V Hardness			$ -				$ -
TPH SGT-HEM	5	$ 42.00	$ 210.00				$ -

Total = Sub-Total 1 + Sub-Total 2: $ 1,120.00

Receiving Region Department	GL Accounting Code	Totals from above	Revenue Allocation: Receiving Region (80%)	Revenue Allocation: Client Services Sending Region (20%)
Microbiology	17		$ -	$ -
Metals	20	$ 910.00	$ 728.00	$ 182.00
Wet Chemistry	21	$ 210.00	$ 168.00	$ 42.00
SV GCMS	30		$ -	$ -
SV GC & LC	31		$ -	$ -
V GC	33		$ -	$ -
V GCMS	34		$ -	$ -
Dioxin* (90/10 split)	35		$ -	$ -
Air	39		$ -	$ -
Other (Specify)			$ -	$ -
Total			$ 896.00	$ 224.00

Sub-COC

P = Poly
G = Glass
AG = Amber Glass

*Preservation Codes
A = None B = HCL C = H2SO4 D = HNO3 E = DI Water
F = Methanol G = NaOH H = Sodium Bisulfate I = Na2S2O3

Bottle Preservative					D		B		
Bottle Type					500 mlP		1-L		
Number of Bottles					1		1		
Analyses					Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mg, Ni, Se, Ag, Zn, Mo, Ca, K, Na, Li, B, Tl, V Hardness		TPH SGT-HEM		
Client Sample ID	Pace Lab Number	Collect Date/Time	Matrix	Method	6020		1664		
DUPS-002	876896-002	10/04/06	W		X		X		001
LKLS-002E	876896-003	10/04/06	W		X		X		002
LKLS-001E	876896-004	10/04/06	W		X		X		003
HMPS-001E	876896-005	10/04/06	W		X		X		004
HMPS-001H	876896-006	10/04/06	W		X		X		005

Relinquished By: [signature] Date/Time: 10-5-06 1630 Received By: UPS Date/Time:

[signature] 10/6/06 8:55 TEL3

Relinquished by	Date/Time	Received by	Date/Time
Laura Ikauniece - 876896 IRWO Waters Foth-Humboldt.xls		Receipt Temperature =	Page 2
Confirmation of Work Completed By Receiving PM:		Date:	
DISPOSITION of FORM. When work is completed, copy of Sub-COC/IRWO goes to ABM			

GBC013a (07June2006)

Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208
www.pacelabs.com

October 20, 2006

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
876896 Foth & Van Dyke, A/B; Green Bay, WI
Pace Project No. 06-5290

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on October 6, 2006.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFIED IN ACCORDANCE WITH nelac

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 06-5290
CLIENT: 876896 Foth & Van Dyke, A/B

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0610-0505	876896-002	0610-0506	876896-003
0610-0507	876896-004	0610-0508	876896-005
0610-0509	876896-006		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 10/20/06.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 06-5290
Groundwater Characterization; 876896 Foth & Van Dyke, A/B

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0610-0505	876896-002	(10/4/06)	10/17/06	0.421 ± 0.878	(1.96)
0610-0506	876896-003	(10/4/06)	10/17/06	0.372 ± 0.780	(1.74)
0610-0507	876896-004	(10/4/06)	10/18/06	0.433 ± 0.750	(1.67)
0610-0508	876896-005	(10/4/06)	10/18/06	4.39 ± 2.06	(2.71)
0610-0509	876896-006	(10/4/06)	10/18/06	5.63 ± 2.49	(2.75)
0610-0510	Method Blank	(10/6/06)	10/18/06	0.413 ± 0.674	(1.46)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

00000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0610-0505	876896-002	(10/4/06)	10/17/06	1.15 ± 0.721	(1.34)
0610-0506	876896-003	(10/4/06)	10/17/06	0.309 ± 0.568	(1.23)
0610-0507	876896-004	(10/4/06)	10/18/06	1.53 ± 1.05	(1.99)
0610-0508	876896-005	(10/4/06)	10/18/06	5.84 ± 1.42	(1.16)
0610-0509	876896-006	(10/4/06)	10/18/06	13.0 ± 2.78	(1.31)
0610-0510	Method Blank	(10/6/06)	10/18/06	0.256 ± 0.861	(2.02)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth & VanDyke Project # 876896

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 2.0, 1.0, 1.0 °C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/5/06 -DS

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. no analyses requested on COC. -DS 10/5/06
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO3, NO2, turbidity
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. lab added 5ml of HNO3 to unpreserved 500ml poly's for Alpha & Beta analyses. (Samples -002 thru -006) -DS 10/5/06
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☑No ☐N/A	Initial when completed DS Lot # of added preservative A10040
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 11/6/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 0992726

Section A Required Client Information:

Company: North Jackson Co
Address: 1004 Humbon Hills Dr. Ste 102, Marquette, MI 49855
Email To: devitala@northjacksonco.com
Phone: 906 225 6787 Fax: 906 225 6790
Requested Due Date/TAT:

Section B Required Project Information:

Report To: J. Kesy
Copy To: Fathe Van Dyke
Purchase Order No.:
Project Name: Humboldt Mill
Project Number:

Section C Invoice Information:

Attention: T. Kosy
Company Name: FVD
Address: Green Bay, WI
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION: ☐GA ☐IL ☐IN ☒MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID — One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Requested Analysis: 2540C, 2540D, 2540E, 300.0, 353.2, 4500-NH3 G, 4500-P E, 4500-SO4 E, 4500-Cl E, 9056 Anions, 9040 pH, 9045 pH, 9050A Specific Cond., Total Hardness, Residual Chlorine (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH+ZnAce	$Na_2S_2O_3$	Methanol	Other	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	TBKS-002	WT	G			10/4/06	NA	NA	2				2	-	NaOH	1	H_2O	FA	001
2	DUPS-002	WT	G				—		14	5	3	1	4	1					002
3	LKLS-002E	WT	G	10/4/06	12		1200	13.2	15	5	3	1	4	2					003
4	LKLS-001E	WT	G				1045	13.6	14	5	3	1	4	1					004
5	HMPS-001E	WT	G				1525	12.6	15	5	3	1	4	2					005
6	HMPS-001H	WT	G				1510	5.9	14	5	3	1	4	1					006
7																			
8																			
9																			
10																			
11																			
12																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Richard R Eagle / Fed Ex	10/4/06	17:30	Fed Ex			
Fed Ex	10/5/06	0945	Joni Sherman	10/5/06	0945	2.0

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
2.0	Y/N (Y)	Y/N (Y)	Y/N (Y)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: KAMRAN SYED Richard R Eagle

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

February 2007

Surface Water Quality

Batch No. 880723

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

February 28, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 880723 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 880723

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
880723-001	TRIP BLANK 1	WATER	02/07/07
880723-002	DUPS-001	WATER	02/07/07
880723-003	FBKS-001	WATER	02/07/07 08:00
880723-004	EBRS-001	WATER	02/07/07 11:40
880723-005	MBRS-001	WATER	02/07/07 09:45
880723-006	WLDS-001	WATER	02/07/07 15:15
880723-007	WBRS-002	WATER	02/07/07 13:40
880723-008	WBRS-003	WATER	02/07/07 14:40

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Tod Noltemeyer
Approval Signature

2/28/07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 1

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-001

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	32	B	6.3	50	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Arsenic	0.98	B	0.13	1.0	1	ug/L	A	02/12/07	SW846 3020A	SW846 6020
Barium	8.2		0.12	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Boron	16		1.2	10	1	ug/L	A	02/12/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Calcium	14000		13	500	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Cobalt	0.22	B	0.026	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Hardness	59		0.15	2.0	1	mg/L		02/12/07	SW846 3020A	6020/2340B
Iron	2500		9.3	50	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Lead	0.14	B	0.049	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Lithium	1.5		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	6000		4.6	500	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Manganese	290		0.12	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.00		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.64	B	0.61	10	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Nickel	0.48	B	0.32	1.0	1	ug/L	A	02/12/07	SW846 3020A	SW846 6020
Potassium	1900		5.7	500	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/12/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Sodium	6400		17	500	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Vanadium	0.54	B	0.10	1.0	1	ug/L		02/12/07	SW846 3020A	SW846 6020
Zinc	4.2	B	0.98	10	1	ug/L	A	02/12/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	52		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	10		0.82	5.0	1	mg/L	A	02/08/07	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L		02/08/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/23/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/08/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/08/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.2	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	5.4		0.77	4.0	1	mg/L		02/08/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	10		0.72	2.0	1	mg/L		02/20/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.8		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	52		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	86		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	2.2		0.48	2.0	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	13		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-002

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

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Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	15	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.13	U	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	0.32	B	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.13	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	170		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.13	B	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	13	U	13	500	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Chromium	0.32	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.13	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	1.4		0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	0.15	U	0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	29	B	9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.29	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.060		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	14	B	4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	0.47	B	0.12	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.183	U	0.183	0.183	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	4.3		0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	21	B	5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.14	B	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	1200		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.10	B	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.47	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	4.4	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	2.2	B	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	1.6	B	0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		02/20/07	EPA 415.2	EPA 415.2
Total Alkalinity	2.2	B	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	11	U	11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.25	U	0.25	1.1	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-003

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	42	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.41	B	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	4.8		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	17		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	13000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.070	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	55		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	590		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.090	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	1.2		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	5400		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	160		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.939		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.77	B	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.69	B	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	1500		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	1500		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.44	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	6.6	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	56		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	2.7	B	0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	15	B	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.23	B	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L	H	02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	4.2		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	6.8		0.72	2.0	1	mg/L	X	02/20/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.3		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	56		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	70		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	3.2		0.48	2.0	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	3.0		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-004

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

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1241 Bellevue Street
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Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	35	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.70	B	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	8.5		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	17		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	14000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.22	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	60		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	2600		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.21	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	1.4		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	6000		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	300		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.881		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.81	B	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	1900		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	6500		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.54	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	5.9	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	52		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	10		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	44		9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.10	B	0.088	0.40	1	mg/L	H	02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	5.4		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	11		0.72	2.0	1	mg/L		02/20/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	8.0		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	52		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	94		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	2.4		0.48	2.0	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	12		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-005

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	21	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	2.0		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	27		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	52		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	27000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.44	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.36	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	120		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	16000		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.049	U	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	2.7		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	12000		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	4600		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.537		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	1.4	B	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	3500		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	1800		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.88	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	3.3	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	140		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	31		9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.44	B	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	2.5	B	0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	7.7		0.72	2.0	1	mg/L		02/20/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.1		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	140		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	120		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	33		2.4	10	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	81		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-006

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	1.4		0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-007

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	41	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.87	B	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	8.8		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	23		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	11000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.39	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.78	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	53		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	2000		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.070	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	2.2		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	6000		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	620		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.12		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	2.1		0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	2900		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	25300		17.1	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.46	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	5.6	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	32		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	42		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	28		9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	7.0		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	14		0.72	2.0	1	mg/L		02/20/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	12		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	32		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	3.2	B	0.95	4.0	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	8.6		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-007

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-008

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	85		6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	1.8		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	14		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	21		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	15000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.34	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	1.4		0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.95	B	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	66		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	7200		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.22	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	2.1		0.014	0.047	1	ug/L		02/13/07	EPA 3020	EPA 6020
Magnesium	7100		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	1200		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.63		0.183	0.500	1	ng/L		02/15/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	1.9		0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	2800		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	21000		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.55	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	6.4	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	47		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Chloride	37		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	37		9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.21	B	0.096	0.50	1	mg/L	N	02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/14/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	7.7		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/09/07	EPA 376.1	EPA 376.1
TOC as NPOC	12		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	12		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	47		1.7	10	1	mg/L		02/09/07	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L		02/10/07	EPA 160.1	EPA 160.1
Total Suspended Solids	16		0.95	4.0	1	mg/L		02/09/07	EPA 160.2	EPA 160.2
Turbidity	42		0.44	1.0	1	NTU		02/08/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880723

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 02/07/07
Report Date : 02/28/07
Lab Sample Number : 880723-008

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
880723	BTEX-W	All Samples	001-008 Insufficient sample provided for MS/MSD analysis.
880723-	M-AS-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.26 ug/L.
880723-	M-B-W	All Samples	A - Analyte is detected in the method blank at a concentration of 3.7 ug/L.
880723-	M-CA-W	All Samples	A - Analyte is detected in the method blank at a concentration of -22 ug/L.
880723-	M-MN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.76 ug/L.
880723-	M-NI-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.65 ug/L.
880723-	M-SE-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.78 ug/L.
880723-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 1.9 ug/L.
880723-002	W-CL-W	DUPS-001	A - Analyte is detected in the method blank at a concentration of 2.33 mg/L.
880723-002	W-SULF-W	DUPS-001	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-003	W-NO2-W	FBKS-001	H - Analysis performed 3:59 hours past holding time.
880723-003	W-NO3-W	FBKS-001	H - Analysis performed 3:59 hours past holding time.
880723-003	W-SULF-W	FBKS-001	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-004	W-NO2-W	EBRS-001	H - Analysis performed 31minutes days past holding time.
880723-004	W-NO3-W	EBRS-001	H - Analysis performed 31minutes days past holding time.
880723-004	W-SULF-W	EBRS-001	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-004	W-TOC-W	EBRS-001	X - Unable to achieve 10% RPD on consecutive injections. The average of 5 injections was reported.
880723-005	W-NO2-W	MBRS-001	H - Analysis performed 2:38 hours past holding time.
880723-005	W-NO3-W	MBRS-001	H - Analysis performed 2:38 hours past holding time.
880723-005	W-SULF-W	MBRS-001	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-006	W-SULF-W	WLDS-001	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-007	W-SULF-W	WBRS-002	X-Inadequate sample volume received to perfom the method required MS/MSD.
880723-008	W-SULF-W	WBRS-003	X-Inadequate sample volume received to perfom the method required MS/MSD.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	880723-001	880723-002	880723-003	880723-004	880723-005	880723-006	880723-007	880723-008
ALKALINITY, BICARB/CARB/TOTAL		B	B	B	B	B	B	B
ALUMINUM		B	B	B	B	B	B	B
ANTIMONY		B	B	B	B	B	B	B
ARSENIC		B	B	B	B	B	B	B
BARIUM		B	B	B	B	B	B	B
BERYLLIUM		B	B	B	B	B	B	B
BORON		B	B	B	B	B	B	B
BTEX	G	G	G	G	G	G	G	G
CADMIUM		B	B	B	B	B	B	B
CALCIUM		B	B	B	B	B	B	B
CHLORIDE		B	B	B	B	B	B	B
CHROMIUM		B	B	B	B	B	B	B
COBALT		B	B	B	B	B	B	B
COD		B	B	B	B	B	B	B
COPPER		B	B	B	B	B	B	B
FLUORIDE		B	B	B	B	B	B	B
HARDNESS		B	B	B	B	B	B	B
IRON		B	B	B	B	B	B	B
LEAD		B	B	B	B	B	B	B
LITHIUM		M	M	M	M	M	M	M
MAGNESIUM		B	B	B	B	B	B	B
MANGANESE		B	B	B	B	B	B	B
MERCURY - LOW LEVEL		B	B	B	B	B	B	B
MOLYBDENUM		B	B	B	B	B	B	B
NICKEL		B	B	B	B	B	B	B
NITROGEN, AMMONIA		M	M	M	M	M	M	M
NITROGEN, NITRATE		B	B	B	B	B	B	B
NITROGEN, NITRITE		B	B	B	B	B	B	B
OIL & GREASE, TOTAL RECOVER - N		M	M	M	M	M	M	M
POTASSIUM		B	B	B	B	B	B	B
SAS		W	W	W	W	W	W	W
SELENIUM		B	B	B	B	B	B	B
SILVER		B	B	B	B	B	B	B
SODIUM		B	B	B	B	B	B	B
SOLIDS, TOTAL DISSOLVED		B	B	B	B	B	B	B
SOLIDS, TOTAL SUSPENDED		B	B	B	B	B	B	B
SULFATE		B	B	B	B	B	B	B
SULFIDE		B	B	B	B	B	B	B
THALLIUM		B	B	B	B	B	B	B
TOC AS NPOC		K	K	K	K	K	K	K

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	880723-001	880723-002	880723-003	880723-004	880723-005	880723-006	880723-007	880723-008
TOC AS NPOC - DISSOLVED		K		K	K	K	K	K
TURBIDITY		B	B	B	B	B	B	B
VANADIUM		B	B	B	B	B	B	B
ZINC		B	B	B	B	B	B	B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch Number: 880723
Lab Section: METALS
QC Batch Number: 18261
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-062	MBMTK0966-062
MB2	MB2WMTK0966-062	MB2WMTK0966-062
MB3	MB3WMTK0966-062	MB3WMTK0966-062
IPR	IPRWMTK0966-062	IPRWMTK0966-062
OPR	OPRWMTK0966-062	OPRWMTK0966-062
MS	880750-002MS	880750-002MS
MS	880748-002MS	880748-002MS
MSD	880750-002MSD	880750-002MSD
MSD	880748-002MSD	880748-002MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
DUPS-001	880723-002	FBKS-001	880723-003
EBRS-001	880723-004	MBRS-001	880723-005
WLDS-001	880723-006	WBRS-002	880723-007
WBRS-003	880723-008		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.238	< 0.183	0.2386	5	5.345	106.9	4.68	93.6	79	121	880748-002	49.74	200.0	242.2	96.2		200.0	246	98.1		1.6		75	125	24
Mercury - Low Level											880750-002	260.55	1000.0	1285.3	102.5		1000.0	1248.6	98.8		2.9		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/28/2007
QC Batch Number: 18261

Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
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Madison, PA 15663
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Fax: 724.722.5208
www.pacelabs.com

February 26, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
880723 Foth & Van Dyke
Pace Project No. 07-0815

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on February 9, 2007 and logged in for analysis on February 12, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-0815
CLIENT: 880723 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0702-0616	DUPS-001	0702-0617	FBKS-001
0702-0618	EBRS-001	0702-0619	MBRS-001
0702-0620	WLDS-001	0702-0621	WBRS-002
0702-0622	WBRS-003		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 2/26/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-0815
Groundwater Characterization; 880723 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0616	DUPS-001	(2/7/07)	02/20/07	0.133 ± 0.760	(2.02)
0702-0617	FBKS-001	(2/7/07)	02/24/07	0.323 ± 0.529	(1.14)
0702-0618	EBRS-001	(2/7/07)	02/20/07	-0.161 ± 0.615	(1.90)
0702-0619	MBRS-001	(2/7/07)	02/20/07	0.548 ± 0.776	(1.62)
0702-0620	WLDS-001	(2/7/07)	02/20/07	3.90 ± 1.82	(1.93)
0702-0621	WBRS-002	(2/7/07)	02/21/07	0.471 ± 0.680	(1.38)
0702-0622	WBRS-003	(2/7/07)	02/21/07	0.068 ± 0.887	(2.38)
0702-0623	Method Blank	(2/9/07)	02/20/07	0.207 ± 0.230	(0.377)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0616	DUPS-001	(2/7/07)	02/20/07	1.70 ± 1.08	(1.98)
0702-0617	FBKS-001	(2/7/07)	02/24/07	0.956 ± 0.886	(1.86)
0702-0618	EBRS-001	(2/7/07)	02/20/07	1.70 ± 1.01	(1.82)
0702-0619	MBRS-001	(2/7/07)	02/20/07	1.21 ± 1.04	(2.11)
0702-0620	WLDS-001	(2/7/07)	02/20/07	3.65 ± 1.43	(1.93)
0702-0621	WBRS-002	(2/7/07)	02/21/07	1.25 ± 0.884	(1.64)
0702-0622	WBRS-003	(2/7/07)	02/21/07	1.88 ± 1.04	(1.80)
0702-0623	Method Blank	(2/9/07)	02/20/07	-0.184 ± 0.488	(0.837)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

IRWO 07-0815

Sending Region / Original Receip...	Pace-WI / 2/8	Sending Project No:	880723
Receiving Region:	Walz Mill	Receiving Project No:	
State of Sample Origin:	MN	Date IRWO / Sub-COC Prepared:	2/8/07
Sending Project Manager:	TOD NOLTEMEYER	REQUESTED COMPLETION DATE:	2/22/07
Consolidated IRWO:	NO	Return Samples to Sending Region:	No
External Client:	FOTH & VAN DYKE	Was Completion Date pre-approved by receiving lab:	No
QC Deliverable Needed:	QC2	Reportable Units Needed:	any
Work Type if not Analytical:	-	Report on a Wet Weight or Dry Weight Basis:	wet
Any Other Special Requirements: (All questions go to sending PM)	Report in pCi/L - low level.		

Test Requested	Quantity	Unit Price	Sub-Total 1	Test Requested	Quantity	Unit Price	Sub-Total 2
Gross Alpha & Beta	7	$ 60.00	$ 420.00	~~OC-0512~~			$ -
			$ -	~~513745~~ 2/13/07			$ -
			$ -				$ -
			$ -				$ -

Total = Sub-Total 1 + Sub-Total 2: $ 420.00

Receiving Region Department	GL Accounting Code	Totals from above	Revenue Allocation: Receiving Region (80%)	Revenue Allocation: Client Services Sending Region (20%)
crobiology	17		$ -	$ -
etals	20		$ -	$ -
et Chemistry	21		$ -	$ -
/ GCMS	30		$ -	$ -
/ GC & LC	31		$ -	$ -
GC	33		$ -	$ -
GCMS	34		$ -	$ -
oxin* (90/10 split)	35		$ -	$ -
	39		$ -	$ -
her (Specify)	Rad	$ 420.00	$ 336.00	$ 84.00
Total			$ 336.00	$ 84.00

= Poly
= Glass
= Amber Glass

*Preservation Codes
A = None B = HCL C = H2SO4 D = HNO3 E = DI Water
F = Methanol G = NaOH H = Sodium Bisulfate I = Na2S2O3

Sub-COC

Bottle Preservative	D					
Bottle Type	500 ml PL					
Number of Bottles	1					
Analyses	Gross Alpha & Beta					
Method	900					

Client Sample ID	Pace Lab Number	Collect Date/Time	Matrix					
JPS-001	880723-002	02/07/07	W		X		702-0616	
KS-001	880723-003	02/07/07	W		X		-0617	
RS-001	880723-004	02/07/07	W		X		-0618	
BRS-001	880723-005	02/07/07	W		X		-0619	
DS-001	880723-006	02/07/07	W		X		-0620	
BRS-002	880723-007	02/07/07	W		X		-0621	
BRS-003	880723-008	02/07/07	W		X		-0622	
					07B		-0623	

Relinquished By: Steve Dettman Date/Time: 2/8/07 1600 Received By: [illegible] Date/Time:

Relinquished By: Date/Time: Received By: [illegible] Date/Time: 2/9/7

0000005

Receipt Temperature =

26

Sample Condition Upon Receipt

Pace Analytical

Client Name: NJCO Project # 880723

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Ziplock

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.0, 2.0, 1.5 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: LM 2-8-07 CF 2-8-07

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. Nitrate, Nitrite
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☐Yes	☒No	☐N/A	10. #006 1-500mL test for mercury sample has leaked into bag but container intact LM 2-8-07
Filtered volume received for Dissolved tests	☒Yes	☐No	☐N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SW				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed LM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☒Yes	☐No	☐N/A	15. #005 2-40mL
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Split 1-500mL HNO3 into 250mL unpreserved for alpha/beta @ Dup-001 (#002). 1-500mL HNO3 container not used received @ #002.

CF 2-8-07

Project Manager Review: Tod Noltkamp **Date:** 2/9/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

(Please Print Clearly)

Company Name:	NJCO
Branch/Location:	Marquette, MI
Project Contact:	Dan Wiitala
Phone:	
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Maracini, Kamran Syed, Richard Eagle
Sampled By (Sign):	[signatures]
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

COC No. 017962

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other = ZnNaOH

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	FVD
Mail To Address:	2737 S Ridge Road Ste 600 Green Bay WI 54304
Invoice To Contact:	J. Kesy
Invoice To Company:	Foth Infr & Env.
Invoice To Address:	SAME
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Pick Letter	Analyses Requested						CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					FILTERED? (YES/NO)	Y/N	N	N	N	Y	N	N			
					PRESERVATION (CODE)*		A	B	C	C	D	J			
						See FVD parameter list									
001	Trip Blank 1	2-7-07	—	W				2						2-40mL	
002	DUPS-001		—	SW			4	4	2	1	3	1		2-1L 3-500mL 4-250mL 2-4oz 3-40mL	
003	FBKS-001		0800	W			4	4	3		3	1		2-1L 4-500mL 4-250mL 2-4oz 3-40mL	
004	EBRS-001		1140	SW			4	4	2	1	3	1			
005	MBRS-001		0945	SW			4	4	2	1	3	1			
006	WLDS-001		1515	SW			4	4	2	1	3	1			
007	WBRS-002		1340	SW			4	4	2	1	3	1			
008	WBRS-003		1440	SW			4	4	2	1	3	1			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard Eagle	2/7/07 1700	Fed Ex	
Fed Ex	2-8-07 1000	LeAnne Markham	2-8-07 1000

PACE Project No. 880723

Receipt Temp = 4.0°C 1.0°C, 2.0°C, 1.5°C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: GAS
QC Batch Number: 18159
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2127-36MB	GG2127-36MB
LCS	GG2127-36MBLCS	GG2127-36MBLCS
LCSD	GG2127-36MBLCSD	GG2127-36MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
TRIP BLANK 1	880723-001	MB	DUPS-001	880723-002	MB
FBKS-001	880723-003	MB	EBRS-001	880723-004	MB
MBRS-001	880723-005	MB	WLDS-001	880723-006	MB
WBRS-002	880723-007	MB	WBRS-003	880723-008	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	19.8	99		20.0	20.2	101		1.8		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	21.1	106		20.0	21.2	106		0.4		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	20.7	104		20.0	20.9	104		0.6		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	42.1	105		40.0	42.1	105		0.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	20.6	103		20.0	20.5	103		0.1		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		101%	---	---	101		---	---	101		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18159

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880723
Lab Section: METALS
QC Batch Number: 18173
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-23	MBWMTG2102-23
LCS	LCSWMTG2102-23	LCSWMTG2102-23
MS	DUPS-001MS	880723-002MS
MSD	DUPS-001MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Aluminum	<	6.3	10000	9517	95.2		---	---	---		---		75	125	20	880723-002		31.590	10000	9840	98.1		10000	9854	98.2		0.1		75	125	20
Antimony	<	0.24	200.0	201.2	100.6		---	---	---		---		75	125	20	880723-002	<	0.24	200.0	204.6	102.3		200.0	205.9	102.9		0.6		75	125	20
Arsenic	<	0.13	200.0	197.6	98.8		---	---	---		---		75	125	20	880723-002		0.9800	200.0	201.7	100.4		200.0	202.8	100.9		0.5		75	125	20
Barium	<	0.12	200.0	183	91.5		---	---	---		---		75	125	20	880723-002		8.210	200.0	195.4	93.6		200.0	197	94.4		0.8		75	125	20
Beryllium	<	0.1	200.0	191.7	95.8		---	---	---		---		75	125	20	880723-002	<	0.1	200.0	190	95.0		200.0	192.6	96.3		1.4		75	125	20
Boron	J	3.7	200.0	184.9	92.4		---	---	---		---		75	125	20	880723-002		16.33	200.0	202.1	92.9		200.0	207.3	95.5		2.5		75	125	20
Cadmium	<	0.12	200.0	194.2	97.1		---	---	---		---		75	125	20	880723-002	<	0.12	200.0	196.5	98.2		200.0	196.3	98.2		0.1		75	125	20
Calcium	<	13	10000.0	9597	96.0		---	---	---		---		75	125	20	880723-002		13620.0	10000.0	22650	90.3		10000.0	22870	92.5		1.0		75	125	20
Chromium	<	0.32	200.0	191	95.5		---	---	---		---		75	125	20	880723-002	<	0.32	200.0	194.1	97.1		200.0	194.6	97.3		0.3		75	125	20
Cobalt	<	0.026	200.0	188.1	94.1		---	---	---		---		75	125	20	880723-002		0.2200	200.0	188.4	94.1		200.0	190.3	95.0		1.0		75	125	20
Copper	<	0.59	200.0	189.5	94.8		---	---	---		---		75	125	20	880723-002	<	0.59	200.0	190.2	95.1		200.0	188.6	94.3		0.8		75	125	20
Iron	<	9.3	10000.0	9701	97.0		---	---	---		---		75	125	20	880723-002		2492.00	10000.0	12150	96.6		10000.0	11940	94.5		1.7		75	125	20
Lead	<	0.049	200.0	191.9	95.9		---	---	---		---		75	125	20	880723-002		0.1400	200.0	199	99.4		200.0	198.8	99.3		0.1		75	125	20
Magnesium	<	4.6	10000.0	9680	96.8		---	---	---		---		75	125	20	880723-002		6009.00	10000.0	15410	94.0		10000.0	15480	94.7		0.5		75	125	20
Manganese	J	0.76	200.0	188.9	94.4		---	---	---		---		75	125	20	880723-002		289.2	200.0	448.4	79.6		200.0	461	85.9		2.8		75	125	20
Molybdenum	<	0.61	200.0	187.4	93.7		---	---	---		---		75	125	20	880723-002		0.6400	200.0	195.2	97.3		200.0	195.7	97.5		0.3		75	125	20
Nickel	<	0.32	200.0	189.3	94.7		---	---	---		---		75	125	20	880723-002		0.4800	200.0	189.8	94.7		200.0	192.8	96.2		1.6		75	125	20
Potassium	<	5.7	10000.0	9906	99.1		---	---	---		---		75	125	20	880723-002		1865.00	10000.0	11810	99.4		10000.0	12110	102.4		2.5		75	125	20
Selenium	<	0.67	200.0	193.1	96.6		---	---	---		---		75	125	20	880723-002	<	0.67	200.0	196.8	98.4		200.0	190.6	95.3		3.2		75	125	20
Silver	<	0.034	100	94.5	94.5		---	---	---		---		75	125	20	880723-002	<	0.034	100	94.7	94.7		100	96.4	96.4		1.8		75	125	20
Sodium	<	17	10000.0	9738	97.4		---	---	---		---		75	125	20	880723-002		6379.00	10000.0	15990	96.1		10000.0	16000	96.2		0.1		75	125	20
Thallium	<	0.053	200.0	186.3	93.2		---	---	---		---		75	125	20	880723-002	<	0.053	200.0	192.6	96.3		200.0	192.8	96.4		0.1		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18173

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.1	200.0	187.3	93.7		---	---	---		---		75	125	20	880723-002	0.5400	200.0	191.7	95.6		200.0	192.2	95.8		0.3		75	125	20
Zinc	J	1.9	200.0	195.9	97.9		---	---	---		---		75	125	20	880723-002	4.150	200.0	195	95.4		200.0	194.9	95.4		0.1		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
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Report Date: 9/4/2007
QC Batch Number: 18173

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: METALS
QC Batch Number: 18261
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-062	MBMTK0966-062
IPR	IPRWMTK0966-062	IPRWMTK0966-062
OPR	OPRWMTK0966-062	OPRWMTK0966-062
MS	880750-002MS	880750-002MS
MS	880748-002MS	880748-002MS
MSD	880750-002MSD	880750-002MSD
MSD	880748-002MSD	880748-002MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.238	0	---	---		---	---	---		---		---	---	---	880748-002	49.74	200.0	242.2	96.2		200.0	246	98.1		1.6		75	125	24
Mercury - Low Level	0.238	0	---	---		---	---	---		---		---	---	---	880750-002	260.55	1000.0	1285.3	102.5		1000.0	1248.6	98.8		2.9		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18261

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18136
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-003MB	WCG2138-003MB
LCS	WCG2138-003MBLCS	WCG2138-003MBLCS
MS	WBRS-003MS	880723-008MS
MS	880705-001MS	880705-001MS
MSD	WBRS-003MSD	880723-008MSD
MSD	880705-001MSD	880705-001MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	J	2.3	20.0	19.1	95.7		---	---	---		---		90	110	20	880723-008		36.8	20.0	57.4	103.2		20.0	58.2	107.1		1.4		90	110	20
Fluoride	<	0.096	2.0	1.9	94.0		---	---	---		---		90	110	20	880723-008		0.21	2.0	1.9	86.0	N	2.0	2	88.0	N	2.1		90	110	20
Nitrogen, Nitrate	<	0.088	0	---	---		---	---	---		---		---	---	---	880723-008	<	0.088	1.6	1.5	93.8		1.6	1.5	95.6		2.0		90	110	20
Nitrogen, Nitrite	<	0.04	0	---	---		---	---	---		---		---	---	---	880723-008	<	0.04	0.80	0.86	107.5		0.80	0.87	108.8		1.2		90	110	20
Sulfate	<	0.77	16.0	15.2	95.1		---	---	---		---		90	110	20	880723-008		7.69	16.0	22.4	91.9		16.0	22.6	93.3		1.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18136

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18145
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2085-068MB	WCG2085-068MB
LCS	WCG2085-068MBLCS	WCG2085-068MBLCS
DUP	880736-003DUP	880736-003DUP
DUP	880735-001DUP	880735-001DUP
DUP	880713-002DUP	880713-002DUP

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	162.0	156	96.3		---	---	---		---		80	120	10	880713-002	234.0	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.24	162.0	156	96.3		---	---	---		---		80	120	10	880736-003	7340	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18145

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18147
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	WBRS-003DUP	880723-008DUP

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	880723-008	41.50	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18147

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18152
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-079MB	WCG1919-079MB
LCS	WCG1919-079MBLCS	WCG1919-079MBLCS
LCSD	WCG1919-079MBLCSD	WCG1919-079MBLCSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfide	< 2.5	49.6	41.6	83.9		49.6	42	84.7		1.0		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18152

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18153
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-080MB	WCG1919-080MB
LCS	WCG1919-080MBLCS	WCG1919-080MBLCS
MS	DUPS-001MS	880723-002MS
MSD	DUPS-001MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	<	1.7	77.40	77.4	100.0		---	---	---		---		80	120	20	880723-002		51.60	100.0	154.8	103.2		100.0	154.8	103.2		0.0		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	880723-002	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	<	1.7	77.40	77.4	100.0		---	---	---		---		80	120	20	880723-002		51.60	100.0	154.8	103.2		100.0	154.8	103.2		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18153

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18155
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-006MB	WCG2135-006MB
LCS	WCG2135-006MBLCS	WCG2135-006MBLCS
MS	880751-007MS	880751-007MS
MS	880751-004MS	880751-004MS
MSD	880751-007MSD	880751-007MSD
MSD	880751-004MSD	880751-004MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	880751-004	12.01	208.3	241	109.9		208.3	244.4	111.5	N	1.4		90	110	10
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	880751-007	79.36	208.3	305	108.3		208.3	301.6	106.7		1.1		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18155

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM
QC Batch Number: 18157
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-022MB	WCG2107-022MB
LCS	WCG2107-022MBLCS	WCG2107-022MBLCS
DUP	WBRS-003DUP	880723-008DUP

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	524.0	522	99.6		---	---	---		---		80	120	10	880723-008	126.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18157

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880723
Lab Section: WETCHEM-K
QC Batch Number: 18315
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-049MB	WCG2106-049MB
LCS	WCG2106-049MBLCS	WCG2106-049MBLCS
MS	DUPS-001MS	880723-002MS
MSD	DUPS-001MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB
EBRS-001	880723-004	MB
WLDS-001	880723-006	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	880723-003	MB
MBRS-001	880723-005	MB
WBRS-002	880723-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 0.72	100.0	101.3	101.3		---	---	---		---		80	120	20	880723-002	10.29	100.0	120.8	110.6		100.0	115.4	105.1		4.6		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18315

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880723
Lab Section: WETCHEM-K
QC Batch Number: 18329
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-050MB	WCG2106-050MB
LCS	WCG2106-050MBLCS	WCG2106-050MBLCS
MS	880793-002MS	880793-002MS
MS	WBRS-003MS	880723-008MS
MSD	880793-002MSD	880793-002MSD
MSD	WBRS-003MSD	880723-008MSD

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	880723-008	MB

Client Sample ID	Lab Sample ID	MB ID

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	< 0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880723-008	11.90	100.0	121.6	109.6		100.0	125.4	113.5		3.1		80	120	20
TOC as NPOC	< 0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880793-002	7.513	100.0	117.7	110.2		100.0	117.5	110.0		0.2		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18329

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880723
Lab Section: WETCHEM-K
QC Batch Number: 18333
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-051MB	WCG2106-051MB
LCS	WCG2106-051MBLCS	WCG2106-051MBLCS
MS	880751-003MS	880751-003MS
MS	DUPS-001MS	880723-002MS
MSD	880751-003MSD	880751-003MSD
MSD	DUPS-001MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
DUPS-001	880723-002	MB	EBRS-001	880723-004	MB
MBRS-001	880723-005	MB	WLDS-001	880723-006	MB
WBRS-002	880723-007	MB	WBRS-003	880723-008	MB

Test Name	Method Blank Result Conc		LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880723-002	8.783	100.0	116.4	107.6		100.0	120.7	111.9		3.6		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880751-003	5.520	100.0	120.3	114.8		100.0	117	111.4		2.8		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18333

Batch No. 880793

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

March 9, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 880793 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alec Ah for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 880793

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
880793-001	HTPS-002E	WATER	02/12/07 12:45
880793-002	DUPS-003	WATER	02/12/07
880793-003	LKLS-001E	WATER	02/12/07 11:20
880793-004	LKLS-002E	WATER	02/12/07 10:15
880793-005	TRIP BLANK 1	WATER	02/12/07
880793-006	FBKS-003	WATER	02/12/07 15:15

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alee An for Tod N
Approval Signature

3/9/07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	15	B	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	1.0		0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	34		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	31		1.2	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cadmium	0.13	B	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	15000		13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.40	B	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.43	B	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	66		0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	1200		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.10	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	3.0		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	6800		4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	660		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.768		0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.76	B	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	2.3		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	2300		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.050	B	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	1700		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.37	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	4.1	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	67		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L	N	02/13/07	EPA 300.0	EPA 300.0
COD	29		10	21	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.32	B	0.096	0.50	1	mg/L	N	02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.3	U	2.3	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	3.9	B	0.77	4.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	10		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	11		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	67		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	100		11	20	1	mg/L	*	02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	3.2		0.30	1.2	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	5.0		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-001

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-003

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	18	B	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.92	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	9.1		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.17	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	18		1.2	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cadmium	0.18	B	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	9000		13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.42	B	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.14	B	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	38		0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	170		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.39	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	1.2		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	3700		4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	5.0		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.491	B	0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	1.0	B	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	1.6		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	1300		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.70	B	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.080	B	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	1200		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.12	B	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.47	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	5.0	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	32		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.7	B	0.82	5.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.22	B	0.096	0.50	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	3.7	B	0.77	4.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	7.5		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.5		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	32		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	84		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	1.2	U	1.2	5.0	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	1.2		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-003

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-002

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	6.3	U	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.72	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	3.0		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	13		1.2	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	8200		13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	34		0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	140		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.23	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	1.2		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	3300		4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	3.9		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.507		0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.78	B	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	1.1		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	1200		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	1000		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.36	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	2.8	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	34		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
COD	21		9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.22	B	0.096	0.50	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	3.7	B	0.77	4.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	7.3		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.8		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	34		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	48		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.75	B	0.26	1.1	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	1.1		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-003

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	8.4	B	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.73	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	3.3		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	17		1.2	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	10000		13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.42	B	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	42		0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	190		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.060	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	1.2		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	4100		4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	9.6		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.470	B	0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.91	B	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	1.4		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	1500		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	1300		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.43	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	4.2	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	34		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.21	B	0.096	0.50	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	3.7	B	0.77	4.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	8.3		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	6.8		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	34		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	44		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.67	B	0.26	1.1	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	1.8		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-004

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 1

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-005

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-003

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	6.3	U	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.13	U	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	0.14	B	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	160		1.2	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	13	U	13	500	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.84	B	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	0.15	U	0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	9.3	U	9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.049	U	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	0.032	B	0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	4.6	U	4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.208		0.183	0.183	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	5.7	U	5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	1800		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.31	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	3.3	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	2.2	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.3	U	2.3	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	1.2	B	0.77	4.0	1	mg/L		02/13/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
Total Alkalinity	2.2	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	11	U	11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.25	U	0.25	1.1	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

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920-469-2436

Analytical Report Number: 880793

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-003

Matrix Type : WATER
Collection Date : 02/12/07
Report Date : 03/07/07
Lab Sample Number : 880793-006

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

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Lab Number	TestGroupID	Field ID	Comment
880793	BTEX-W	All Samples	001-006 Insufficient sample for MS/MSD analysis.
880793-	M-AG-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.04 ug/L.
880793-	M-CA-W	All Samples	A - Analyte is detected in the method blank at a concentration of -16 ug/L.
880793-	M-CO-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.03 ug/L.
880793-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 1.7 ug/L.
880793-001	W-SULF-W	HTPS-002E	X-Inadequate sample volume received to perform the method required MS/MSD.
880793-002	W-SULF-W	DUPS-003	X-Inadequate sample volume received to perform the method required MS/MSD.
880793-003	W-SULF-W	LKLS-001E	X-Inadequate sample volume received to perform the method required MS/MSD.
880793-004	W-SULF-W	LKLS-002E	X-Inadequate sample volume received to perform the method required MS/MSD.
880793-006	W-SULF-W	FBKS-003	X-Inadequate sample volume received to perform the method required MS/MSD.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	880793-001	880793-002	880793-003	880793-004	880793-005	880793-006
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B		B
ALUMINUM	B	B	B	B		B
ANTIMONY	B	B	B	B		B
ARSENIC	B	B	B	B		B
BARIUM	B	B	B	B		B
BERYLLIUM	B	B	B	B		B
BORON	B	B	B	B		B
BTEX	G	G	G	G	G	G
CADMIUM	B	B	B	B		B
CALCIUM	B	B	B	B		B
CHLORIDE	B	B	B	B		B
CHROMIUM	B	B	B	B		B
COBALT	B	B	B	B		B
COD	B	B	B	B		B
COPPER	B	B	B	B		B
FLUORIDE	B	B	B	B		B
HARDNESS	B	B	B	B		B
IRON	B	B	B	B		B
LEAD	B	B	B	B		B
LITHIUM	M	M	M	M		M
MAGNESIUM	B	B	B	B		B
MANGANESE	B	B	B	B		B
MERCURY - LOW LEVEL	K	K	K	K		K
MOLYBDENUM	B	B	B	B		B
NICKEL	B	B	B	B		B
NITROGEN, AMMONIA	M	M	M	M		M
NITROGEN, NITRATE	B	B	B	B		B
NITROGEN, NITRITE	B	B	B	B		B
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M		M
POTASSIUM	B	B	B	B		B
SAS	W	W	W	W		W
SELENIUM	B	B	B	B		B
SILVER	B	B	B	B		B
SODIUM	B	B	B	B		B
SOLIDS, TOTAL DISSOLVED	B	B	B	B		B
SOLIDS, TOTAL SUSPENDED	B	B	B	B		B
SULFATE	B	B	B	B		B
SULFIDE	B	B	B	B		B
THALLIUM	B	B	B	B		B
TOC AS NPOC	K	K	K	K		K

Test Group Name	880793-001	880793-002	880793-003	880793-004	880793-005	880793-006
TOC AS NPOC - DISSOLVED	K	K	K	K		
TURBIDITY	B	B	B	B		B
VANADIUM	B	B	B	B		B
ZINC	B	B	B	B		B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Pace Analytical Services, Inc.

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QC Summary

Batch Number: 880793
Lab Section: METALS-K
QC Batch Number: 18318
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-065	MBMTK0966-065
MB2	MB2WMTK0966-065	MB2WMTK0966-065
MB3	MB3WMTK0966-065	MB3WMTK0966-065
IPR	IPRWMTK0966-065	IPRWMTK0966-065
OPR	OPRWMTK0966-065	OPRWMTK0966-065
MS	880864-002MS	880864-002MS
MS	880799-003MS	880799-003MS
MSD	880864-002MSD	880864-002MSD
MSD	880799-003MSD	880799-003MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
HTPS-002E	880793-001	DUPS-003	880793-002
LKLS-001E	880793-003	LKLS-002E	880793-004
FBKS-003	880793-006		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.183	< 0.183	< 0.183	5	5.032	100.6	5.118	102.4	79	121	880799-003	293.2	200.0	476.1	91.5		200.0	508.8	107.8		6.6		75	125	24
Mercury - Low Level											880864-002	671.67	1000.0	1742.7	107.1		1000.0	1613.5	94.2		7.7		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 3/7/2007
QC Batch Number: 18318

Pace Analytical®
Waltz Mill Laboratory

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March 6, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
880793 Foth & Van Dyke
Pace Project No. 07-0895

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on February 15, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-0895
CLIENT: 880793 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0702-0743	HTPS-002E	0702-0744	DUPS-003
0702-0745	LKLS-001E	0702-0746	LKLS-002E
0702-0747	FBKS-003		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 3/6/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-0895
Groundwater Characterization; 880793 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0702-0743	HTPS-002E	(2/12/07)	03/03/07	1.22 ± 0.994	(1.65)
0702-0744	DUPS-003	(2/12/07)	03/03/07	-0.281 ± 0.384	(1.55)
0702-0745	LKLS-001E	(2/12/07)	03/03/07	-0.077 ± 0.370	(1.29)
0702-0746	LKLS-002E	(2/12/07)	03/03/07	0.371 ± 0.782	(1.83)
0702-0747	FBKS-003	(2/12/07)	03/03/07	0.200 ± 0.485	(1.18)
0702-0748	Method Blank	(2/15/07)	03/05/07	-0.146 ± 0.252	(1.13)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0743	HTPS-002E	(2/12/07)	03/03/07	1.78 ± 1.02	(1.75)
0702-0744	DUPS-003	(2/12/07)	03/03/07	2.37 ± 1.15	(1.91)
0702-0745	LKLS-001E	(2/12/07)	03/03/07	1.39 ± 0.901	(1.65)
0702-0746	LKLS-002E	(2/12/07)	03/03/07	-0.351 ± 0.773	(2.01)
0702-0747	FBKS-003	(2/12/07)	03/03/07	-0.503 ± 0.627	(1.76)
0702-0748	Method Blank	(2/15/07)	03/05/07	0.095 ± 0.758	(1.86)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

0000005

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Quality Control Sample Performance Assessment

Test:	Gross Alpha
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	-0.146
M/B 2 Sigma CSU:	0.252
MB MDC:	1.131
MB Numerical Performance Indicator:	-1.14
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	42.808	37.410
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	9.012	7.975
Numerical Performance Indicator:	-0.67	-2.01
Percent Recovery:	92.96%	81.24%
Status vs Numerical Indicator:	Pass	Warning
Status vs Recovery:	N/A	N/A

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	42.808
Sample Result 2 Sigma CSU (pCi/L, g, F):	9.012
Sample Duplicate Result (pCi/L, g, F):	37.410
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	7.975
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.879
Duplicate RPD:	13.46%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	1.224
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.994
Sample Matrix Spike Result:	91.494
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	18.115
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.189
MSD Numerical Performance Indicator:	
MS Percent Recovery:	98.02%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

3/6/07

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90000006

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Quality Control Sample Performance Assessment

Test:	Gross Beta
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.095
M/B 2 Sigma CSU:	0.758
MB MDC:	1.856
MB Numerical Performance Indicator:	0.25
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.707	40.707
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.354	20.354
Uncertainty (Calculated):	1.995	1.995
Result (pCi/L, g, F):	14.519	16.805
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	3.565	3.914
Numerical Performance Indicator:	-2.80	-1.58
Percent Recovery:	71.33%	82.57%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.758
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.758
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.994
Sample Result:	1.778
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.023
Sample Matrix Spike Result:	39.129
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.032
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.740
MSD Numerical Performance Indicator:	
MS Percent Recovery:	91.64%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	14.519
Sample Result 2 Sigma CSU (pCi/L, g, F):	3.565
Sample Duplicate Result (pCi/L, g, F):	16.805
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	3.914
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.846
Duplicate RPD:	14.60%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

Gr 3/6/07

22

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 880793

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional:
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.5, 0.5, + 0.0 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2-13-07 CJ 2-13-07 AM

Comments:

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. Nitrite, Nitrate, Turbidity. CJ 2-13-07
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SW/W				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed CJ / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 3/9/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	Marquette MI
Project Contact:	D. Witala
Phone:	906-225-6787
Project Number:	Humboldt Mill
Project Name:	MI
Project State:	
Sampled By (Print):	Andy Mancini, Richard Eagle, Kamran Syed
Sampled By (Sign):	
PO #:	
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

MN: 612-607-1700 WI: 920-469-2436

A4W

COC No. 017628

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other = ZnAc

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	PVD
Mail To Address:	2737 5 Ridge Rd Ste 600 Green Bay, WI 54304
Invoice To Contact:	J. Kesy
Invoice To Company:	PVD
Invoice To Address:	SAME
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

Analyses Requested: See PVD parameter List

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter								CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	N	N	N	Y	N	N					
					Pick Letter	A	B	C	C	D	J					
001	HTPS-002E	2-12-07	1245	SW		4	4	2	1	3	1				Ltr ag B, Ltr p A, 3-500ml p DDA 4-250ml p DCJ, 2-4oz ag C, 3-40ml B	
002	DUPS-003	"	—	SW		4	4	2	1	3	1					
003	LKLS-001E	"	1120	SW		4	4	2	1	3	1					
004	LKLS-002E	"	1015	SW		4	4	2	1	3	1					
005	Trip Blank 1	"	—	W				2							2-40ml B	
006	FBKS-003	"	1515	W		4	4	3		3	1				Ltr ag B, Ltr p A, 3-500ml p DDA 4-250ml p DCJ, 2-4oz ag C, 3-40ml B	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	02/12/07 1600	FedEx	
FedEx	2-13-07 0820	[signature]	2-13-07 0820

PACE Project No. 880793

Receipt Temp = 0.5, 0.5 +0.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: GAS
QC Batch Number: 18226
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2127-39MB	GG2127-39MB
LCS	GG2127-39MBLCS	GG2127-39MBLCS
LCSD	GG2127-39MBLCSD	GG2127-39MBLCSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
TRIP BLANK 1	880793-005	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB
FBKS-003	880793-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	19.5	97		20.0	19.3	97		0.8		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	19.1	95		20.0	19.2	96		0.9		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	20.9	104		20.0	20.6	103		1.2		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	36.9	92		40.0	37.2	93		0.7		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	18.2	91		20.0	18.3	91		0.3		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		102%	---	---	102		---	---	101		---		80	124	---	---	---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18226

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880793
Lab Section: METALS
QC Batch Number: 18214
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-24	MBWMTG2102-24
LCS	LCSWMTG2102-24	LCSWMTG2102-24
MS	HTPS-002EMS	880793-001MS
MSD	HTPS-002EMSD	880793-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	<	6.3	10000.0	10810	108.1		---	---	---		---		75	125	20	880793-001		14.8200	10000.0	10690	106.8		10000.0	10660	106.5		0.3		75	125	20
Antimony	<	0.24	200.0	221.4	110.7		---	---	---		---		75	125	20	880793-001	<	0.24	200.0	214.6	107.3		200.0	214.4	107.2		0.1		75	125	20
Arsenic	<	0.13	200.0	218.3	109.2		---	---	---		---		75	125	20	880793-001		1.030	200.0	210.6	104.8		200.0	213.3	106.1		1.3		75	125	20
Barium	<	0.12	200.0	213.2	106.6		---	---	---		---		75	125	20	880793-001		34.06	200.0	242.5	104.2		200.0	242.6	104.3		0.0		75	125	20
Beryllium	<	0.1	200.0	210	105.0		---	---	---		---		75	125	20	880793-001	<	0.1	200.0	205.2	102.6		200.0	208.3	104.2		1.5		75	125	20
Boron	<	1.2	200.0	209.5	104.8		---	---	---		---		75	125	20	880793-001		31.43	200.0	226	97.3		200.0	236.2	102.4		4.4		75	125	20
Cadmium	<	0.12	200.0	217.8	108.9		---	---	---		---		75	125	20	880793-001		0.1300	200.0	209.2	104.5		200.0	208.6	104.2		0.3		75	125	20
Calcium	<	13	10000.0	11110	111.1		---	---	---		---		75	125	20	880793-001		15420.0	10000.0	26220	108.0		10000.0	26050	106.3		0.7		75	125	20
Chromium	<	0.32	200.0	221.3	110.7		---	---	---		---		75	125	20	880793-001		0.4000	200.0	215	107.3		200.0	215.4	107.5		0.2		75	125	20
Cobalt	<	0.026	200.0	218.2	109.1		---	---	---		---		75	125	20	880793-001		0.4300	200.0	208.8	104.2		200.0	209.5	104.5		0.3		75	125	20
Copper	<	0.59	200.0	219.7	109.8		---	---	---		---		75	125	20	880793-001	<	0.59	200.0	208.7	104.3		200.0	209.5	104.8		0.4		75	125	20
Iron	<	9.3	10000.0	11220	112.2		---	---	---		---		75	125	20	880793-001		1163.00	10000.0	12080	109.2		10000.0	12040	108.8		0.3		75	125	20
Lead	<	0.049	200.0	218.4	109.2		---	---	---		---		75	125	20	880793-001		0.1000	200.0	214.5	107.2		200.0	214.4	107.2		0.0		75	125	20
Magnesium	<	4.6	10000.0	10930	109.3		---	---	---		---		75	125	20	880793-001		6765.00	10000.0	17390	106.2		10000.0	17380	106.2		0.1		75	125	20
Manganese	<	0.12	200.0	220	110.0		---	---	---		---		75	125	20	880793-001		661.6	200.0	866	102.2		200.0	865.4	101.9		0.1		75	125	20
Molybdenum	<	0.61	200.0	216.8	108.4		---	---	---		---		75	125	20	880793-001		0.7600	200.0	213.5	106.4		200.0	213.5	106.4		0.0		75	125	20
Nickel	<	0.32	200.0	219.1	109.6		---	---	---		---		75	125	20	880793-001		2.260	200.0	211.2	104.5		200.0	210	103.9		0.6		75	125	20
Potassium	<	5.7	10000.0	11230	112.3		---	---	---		---		75	125	20	880793-001		2335.00	10000.0	13380	110.4		10000.0	13440	111.1		0.4		75	125	20
Selenium	<	0.67	200.0	209.9	104.9		---	---	---		---		75	125	20	880793-001	<	0.67	200.0	201.3	100.7		200.0	204.3	102.2		1.5		75	125	20
Silver	<	0.034	100.0	108.6	108.6		---	---	---		---		75	125	20	880793-001		5.000E-2	100.0	103.6	103.6		100.0	105.4	105.3		1.7		75	125	20
Sodium	<	17	10000.0	10810	108.1		---	---	---		---		75	125	20	880793-001		1712.00	10000.0	12360	106.5		10000.0	12540	108.3		1.4		75	125	20
Thallium	<	0.053	200.0	212.5	106.2		---	---	---		---		75	125	20	880793-001	<	0.053	200.0	209	104.5		200.0	209	104.5		0.0		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18214

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.1	200.0	216.9	108.4		---	---	---		---		75	125	20	880793-001	0.3700	200.0	210.1	104.9		200.0	210.4	105.0		0.1		75	125	20
Zinc	J	1.7	200.0	214.7	107.3		---	---	---		---		75	125	20	880793-001	4.100	200.0	202.5	99.2		200.0	205.3	100.6		1.4		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
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Report Date: 9/4/2007
QC Batch Number: 18214

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: METALS-K
QC Batch Number: 18318
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-065	MBMTK0966-065
IPR	IPRWMTK0966-065	IPRWMTK0966-065
OPR	OPRWMTK0966-065	OPRWMTK0966-065
MS	880864-002MS	880864-002MS
MS	880799-003MS	880799-003MS
MSD	880864-002MSD	880864-002MSD
MSD	880799-003MSD	880799-003MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Mercury - Low Level	< 0.183	0	---	---		---	---	---		---		---	---	---	880799-003	293.2	200.0	476.1	91.5		200.0	508.8	107.8		6.6		75	125	24
Mercury - Low Level	< 0.183	0	---	---		---	---	---		---		---	---	---	880864-002	671.67	1000.0	1742.7	107.1		1000.0	1613.5	94.2		7.7		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18318

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18193
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-081MB	WCG1919-081MB
LCS	WCG1919-081MBLCS	WCG1919-081MBLCS
LCSD	WCG1919-081MBLCSD	WCG1919-081MBLCSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.5	44.8	42	93.8		44.8	43.2	96.4		2.8		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18193

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18195
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-006MB	WCG2138-006MB
LCS	WCG2138-006MBLCS	WCG2138-006MBLCS
MS	HTPS-002EMS	880793-001MS
MSD	HTPS-002EMSD	880793-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Chloride	<	0.82	20.0	19	95.2		---	---	---		---		90	110	20	880793-001		2.63	20.0	19.6	84.7	N	20.0	19.2	82.9	N	1.8		90	110	20
Fluoride	<	0.096	2.0	1.8	92.0		---	---	---		---		90	110	20	880793-001		0.32	2.0	2.1	91.0		2.0	2.1	87.5	N	3.3		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.5	95.6		---	---	---		---		90	110	20	880793-001	<	0.088	1.6	1.5	95.0		1.6	1.5	93.8		1.3		90	110	20
Nitrogen, Nitrite	<	0.04	0.80	0.81	101.2		---	---	---		---		90	110	20	880793-001	<	0.04	0.80	0.83	103.8		0.80	0.81	101.2		2.4		90	110	20
Sulfate	<	0.77	16.0	15	94.1		---	---	---		---		90	110	20	880793-001		3.89	16.0	18.6	91.9		16.0	18.3	89.9		1.8		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18195

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18209
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2085-070MB	WCG2085-070MB
LCS	WCG2085-070MBLCS	WCG2085-070MBLCS
DUP	880802-001DUP	880802-001DUP
DUP	880751-007DUP	880751-007DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Suspended Solids	< 0.24	162.0	152	93.8		---	---	---		---		80	120	10	880751-007	2.500	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	< 0.24	162.0	152	93.8		---	---	---		---		80	120	10	880802-001	72.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18209

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18218
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-082MB	WCG1919-082MB
LCS	WCG1919-082MBLCS	WCG1919-082MBLCS
MS	880751-003MS	880751-003MS
MSD	880751-003MSD	880751-003MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Bicarbonate Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	880751-003	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18218

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18219
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	HTPS-002EDUP	880793-001DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	880793-001	5.050	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18219

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18262
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-026MB	WCG2107-026MB
LCS	WCG2107-026MBLCS	WCG2107-026MBLCS
DUP	HTPS-002EDUP	880793-001DUP

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	524.0	540	103.1		---	---	---		---		80	120	10	880793-001	100.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18262

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM
QC Batch Number: 18269
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-007MB	WCG2135-007MB
LCS	WCG2135-007MBLCS	WCG2135-007MBLCS
MS	880840-002MS	880840-002MS
MS	HTPS-002EMS	880793-001MS
MSD	880840-002MSD	880840-002MSD
MSD	HTPS-002EMSD	880793-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
COD	<	9.7	400.0	386.5	96.6		---	---	---		---		90	110	10	880793-001		28.85	208.3	244.4	103.5		208.3	244.4	103.5		0.0		90	110	10
COD	<	9.7	400.0	386.5	96.6		---	---	---		---		90	110	10	880840-002	<	10	208.3	227.5	109.2		208.3	227.5	109.2		0.0		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 9/4/2007
QC Batch Number: 18269

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880793
Lab Section: WETCHEM-K
QC Batch Number: 18329
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-050MB	WCG2106-050MB
LCS	WCG2106-050MBLCS	WCG2106-050MBLCS
MS	DUPS-003MS	880793-002MS
MS	880723-008MS	880723-008MS
MSD	DUPS-003MSD	880793-002MSD
MSD	880723-008MSD	880723-008MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
FBKS-003	880793-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880723-008		11.90	100.0	121.6	109.6		100.0	125.4	113.5		3.1		80	120	20
TOC as NPOC	<	0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880793-002		7.513	100.0	117.7	110.2		100.0	117.5	110.0		0.2		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18329

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880793
Lab Section: WETCHEM-K
QC Batch Number: 18333
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-051MB	WCG2106-051MB
LCS	WCG2106-051MBLCS	WCG2106-051MBLCS
MS	880751-003MS	880751-003MS
MS	880723-002MS	880723-002MS
MSD	880751-003MSD	880751-003MSD
MSD	880723-002MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	880793-001	MB
LKLS-001E	880793-003	MB
DUPS-003	880793-002	MB
LKLS-002E	880793-004	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880723-002		8.783	100.0	116.4	107.6		100.0	120.7	111.9		3.6		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880751-003		5.520	100.0	120.3	114.8		100.0	117	111.4		2.8		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18333

Batch No. 880751

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

March 9, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 880751 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alec Ah for Tod N

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 880751

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
880751-001	TRIP BLANK 2	WATER	02/08/07
880751-002	FBKS-002	WATER	02/08/07 08:15
880751-003	DUPS-002	WATER	02/08/07
880751-004	MERS-001	WATER	02/08/07 11:40
880751-005	MERS-003	WATER	02/08/07 13:15
880751-006	MERS-002	WATER	02/08/07 14:05
880751-007	WBRS-001	WATER	02/08/07 14:55

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alec Ah for Tod N
Approval Signature

3/9/07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 2

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-001

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	6.3	U	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.13	U	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	0.14	B	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	190		1.2	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	13	U	13	500	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	2.0		0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	0.15	U	0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	9.3	U	9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.17	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.046	B	0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	7.5	B	4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	1.5		0.12	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.270		0.183	0.183	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	8.7	B	5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	1200		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.32	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	4.9	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	2.2	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.2	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	0.77	U	0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
Total Alkalinity	2.2	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	11	U	11	20	1	mg/L		02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.25	U	0.25	1.1	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-002

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	43	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	1.4		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	10		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	12		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	13000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.33	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.36	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	48		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	2000		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.060	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.71		0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	3600		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	140		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.47		0.183	0.500	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	870		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	4400		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	1.0		0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	4.0	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	41		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	7.0		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	B	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.2	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	11		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	6.1		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	5.5		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	41		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	88		11	20	1	mg/L		02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	1.9		0.34	1.4	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	6.6		0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-003

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	54		6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	1.3		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	8.2		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	8.0	B	1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	11000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.10	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	42		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	1400		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.070	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.63		0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	3200		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	72		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.59		0.183	0.500	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	700		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.84	B	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	2800		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.96	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	3.8	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	37		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	5.1		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	12	B	10	21	1	mg/L	N	02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/26/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.19	B	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.3	U	2.3	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	6.5		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	5.9		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	7.5		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	37		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	60		11	20	1	mg/L		02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	1.4		0.34	1.4	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	4.7		0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-004

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-005

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	70		6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	1.4		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	11		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	10		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	14000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.48	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.41	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	51		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	2000		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.15	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.72		0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	3900		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	150		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.60		0.183	0.500	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	64		0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Potassium	910		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	5200		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	1.2		0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	4.9	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	41		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	8.4		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	12	B	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L	N	02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.20	B	0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	11		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	5.8		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	5.9		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	41		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	84		11	20	1	mg/L		02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	1.7		0.34	1.4	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	6.7		0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-005

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	45	B	6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	1.4		0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	11		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	11		1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	14000		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.46	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.37	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	51		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	2200		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.050	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.74		0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	3900		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	150		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.50		0.183	0.500	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	910		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	4700		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.98	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	3.2	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	37		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	7.4		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	18	B	9.7	20	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	1.1		0.088	0.40	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.2	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	11		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	6.9		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	4.3		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	37		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	110		11	20	1	mg/L		02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	2.1		0.34	1.4	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	6.4		0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-006

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

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Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-007

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	230		6.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Arsenic	0.90	B	0.13	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Barium	12		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Boron	9.0	B	1.2	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Calcium	6800		13	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Chromium	0.60	B	0.32	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Cobalt	0.26	B	0.026	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Hardness	30		0.15	2.0	1	mg/L		02/13/07	SW846 3020A	6020/2340B
Iron	1900		9.3	50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lead	0.79	B	0.049	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Lithium	0.78		0.014	0.047	1	ug/L		02/15/07	EPA 3020	EPA 6020
Magnesium	3200		4.6	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Manganese	120		0.12	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Mercury - Low Level	5.25		0.183	0.500	1	ng/L		02/19/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Potassium	820		5.7	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Sodium	13000		17	500	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Vanadium	0.94	B	0.10	1.0	1	ug/L		02/13/07	SW846 3020A	SW846 6020
Zinc	8.1	B	0.98	10	1	ug/L	A	02/13/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	8.6	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	23		0.82	5.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
COD	79		10	21	1	mg/L		02/10/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.14	B	0.088	0.40	1	mg/L	N	02/09/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/16/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	5.4		0.77	4.0	1	mg/L		02/09/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L	X	02/13/07	EPA 376.1	EPA 376.1
TOC as NPOC	26		0.72	2.0	1	mg/L		02/21/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	31		0.72	2.0	1	mg/L		02/21/17	EPA 415.2	EPA 415.2
Total Alkalinity	8.6	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	130		11	20	1	mg/L	*	02/12/07	EPA 160.1	EPA 160.1
Total Suspended Solids	2.5	B	0.59	2.5	1	mg/L		02/14/07	EPA 160.2	EPA 160.2
Turbidity	3.0		0.44	1.0	1	NTU		02/09/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880751

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 02/08/07
Report Date : 03/07/07
Lab Sample Number : 880751-007

BTEX

Prep Date: 02/12/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/12/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/12/07	SW846 5030B	SW846 8021B

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Lab Number	TestGroupID	Field ID	Comment
880751	BTEX-W	All Samples	001-007 Insufficient sample provided for MS/MSD analysis.
880751-	M-AS-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.26 ug/L.
880751-	M-B-W	All Samples	A - Analyte is detected in the method blank at a concentration of 3.7 ug/L.
880751-	M-CA-W	All Samples	A - Analyte is detected in the method blank at a concentration of -22 ug/L.
880751-	M-MN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.76 ug/L.
880751-	M-NI-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.65 ug/L.
880751-	M-SE-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.78 ug/L.
880751-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 1.9 ug/L.
880751-002	W-SULF-W	FBKS-002	X-Inadequate sample volume received to perform the method required MS/MSD.
880751-003	W-SULF-W	DUPS-002	X-Inadequate sample volume received to perform the method required MS/MSD.
880751-004	W-SULF-W	MERS-001	X-Inadequate sample volume received to perform the method required MS/MSD.
880751-005	W-SULF-W	MERS-003	X-Inadequate sample volume received to perform the method required MS/MSD.
880751-006	W-SULF-W	MERS-002	X-Inadequate sample volume received to perform the method required MS/MSD.
880751-007	W-SULF-W	WBRS-001	X-Inadequate sample volume received to perform the method required MS/MSD.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	880751-001	880751-002	880751-003	880751-004	880751-005	880751-006	880751-007
ALKALINITY, BICARB/CARB/TOTAL		B	B	B	B	B	B
ALUMINUM		B	B	B	B	B	B
ANTIMONY		B	B	B	B	B	B
ARSENIC		B	B	B	B	B	B
BARIUM		B	B	B	B	B	B
BERYLLIUM		B	B	B	B	B	B
BORON		B	B	B	B	B	B
BTEX	G	G	G	G	G	G	G
CADMIUM		B	B	B	B	B	B
CALCIUM		B	B	B	B	B	B
CHLORIDE		B	B	B	B	B	B
CHROMIUM		B	B	B	B	B	B
COBALT		B	B	B	B	B	B
COD		B	B	B	B	B	B
COPPER		B	B	B	B	B	B
FLUORIDE		B	B	B	B	B	B
HARDNESS		B	B	B	B	B	B
IRON		B	B	B	B	B	B
LEAD		B	B	B	B	B	B
LITHIUM		M	M	M	M	M	M
MAGNESIUM		B	B	B	B	B	B
MANGANESE		B	B	B	B	B	B
MERCURY - LOW LEVEL		K	K	K	K	K	K
MOLYBDENUM		B	B	B	B	B	B
NICKEL		B	B	B	B	B	B
NITROGEN, AMMONIA		M	M	M	M	M	M
NITROGEN, NITRATE		B	B	B	B	B	B
NITROGEN, NITRITE		B	B	B	B	B	B
OIL & GREASE, TOTAL RECOVER - N		M	M	M	M	M	M
POTASSIUM		B	B	B	B	B	B
SAS		W	W	W	W	W	W
SELENIUM		B	B	B	B	B	B
SILVER		B	B	B	B	B	B
SODIUM		B	B	B	B	B	B
SOLIDS, TOTAL DISSOLVED		B	B	B	B	B	B
SOLIDS, TOTAL SUSPENDED		B	B	B	B	B	B
SULFATE		B	B	B	B	B	B
SULFIDE		B	B	B	B	B	B
THALLIUM		B	B	B	B	B	B
TOC AS NPOC		K	K	K	K	K	K

Test Group Name	880751-001	880751-002	880751-003	880751-004	880751-005	880751-006	880751-007
TOC AS NPOC - DISSOLVED			K	K	K	K	K
TURBIDITY		B	B	B	B	B	B
VANADIUM		B	B	B	B	B	B
ZINC		B	B	B	B	B	B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Pace Analytical Services, Inc.

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Green Bay, WI 54302
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QC Summary

Batch Number: 880751
Lab Section: METALS-K
QC Batch Number: 18299
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-064	MBMTK0966-064
MB2	MB2WMTK0966-064	MB2WMTK0966-064
MB3	MB3WMTK0966-064	MB3WMTK0966-064
IPR	IPRWMTK0966-064	IPRWMTK0966-064
OPR	OPRWMTK0966-064	OPRWMTK0966-064
MS	WBRS-001MS	880751-007MS
MS	880746-002MS	880746-002MS
MSD	WBRS-001MSD	880751-007MSD
MSD	880746-002MSD	880746-002MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
FBKS-002	880751-002	DUPS-002	880751-003
MERS-001	880751-004	MERS-003	880751-005
MERS-002	880751-006	WBRS-001	880751-007

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.261	< 0.183	< 0.183	5	5.401	108.0	5.007	100.1	79	121	880746-002	2.89	10.0	12.2	93.1		10.0	13.2	102.9		7.7		75	125	24
Mercury - Low Level											880751-007	5.25	10.0	15.8	105.6		10.0	14.7	94.1		7.6		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 3/7/2007
QC Batch Number: 18299

Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208
www.pacelabs.com

March 6, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
880751 Foth & Van Dyke
Pace Project No. 07-0870

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on February 14, 2007 and logged in for analysis on February 15, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-0870
CLIENT: 880751 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0702-0666	FBKS-002	0702-0667	DUPS-002
0702-0668	MERS-001	0702-0669	MERS-003
0702-0670	MERS-002	0702-0671	WBRS-001

C: SHIPPING/RECEIVING COMMENTS:

Final Report 3/6/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-0870
Groundwater Characterization; 880751 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0702-0666	FBKS-002	(2/8/07)	03/03/07	0.139 ± 0.466	(1.21)
0702-0667	DUPS-002	(2/8/07)	03/03/07	0.555 ± 0.665	(1.23)
0702-0668	MERS-001	(2/8/07)	03/03/07	0.696 ± 0.936	(1.98)
0702-0669	MERS-003	(2/8/07)	03/05/07	-0.099 ± 0.668	(1.96)
0702-0670	MERS-002	(2/8/07)	03/05/07	0.364 ± 0.726	(1.68)
0702-0671	WBRS-001	(2/8/07)	03/05/07	1.64 ± 1.21	(1.99)
0702-0672	Method Blank	(2/14/07)	03/05/07	-0.146 ± 0.252	(1.13)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification Analyzed	Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0666	FBKS-002	(2/8/07)	03/03/07	0.818 ± 0.862	(1.81)
0702-0667	DUPS-002	(2/8/07)	03/03/07	1.10 ± 0.856	(1.63)
0702-0668	MERS-001	(2/8/07)	03/03/07	0.363 ± 0.787	(1.78)
0702-0669	MERS-003	(2/8/07)	03/05/07	0.121 ± 0.785	(1.91)
0702-0670	MERS-002	(2/8/07)	03/05/07	1.61 ± 1.05	(1.96)
0702-0671	WBRS-001	(2/8/07)	03/05/07	7.54 ± 2.06	(1.83)
0702-0672	Method Blank	(2/14/07)	03/05/07	0.095 ± 0.758	(1.86)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

5000005

Pace Analytical
www.pacelabs.com

Quality Control Sample Performance Assessment

3/7/07

Test:	Gross Alpha
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	-0.146
M/B 2 Sigma CSU:	0.252
MB MDC:	1.131
MB Numerical Performance Indicator:	-1.14
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	42.808	37.410
LCS/LCSD 2 Sigma CSU (pCi/L,g, F):	9.012	7.975
Numerical Performance Indicator:	-0.67	-2.01
Percent Recovery:	92.96%	81.24%
Status vs Numerical Indicator:	Pass	Warning
Status vs Recovery:	N/A	N/A

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	1.224
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.994
Sample Matrix Spike Result:	91.494
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	18.115
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.189
MSD Numerical Performance Indicator:	
MS Percent Recovery:	98.02%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	42.808
Sample Result 2 Sigma CSU (pCi/L, g, F):	9.012
Sample Duplicate Result (pCi/L, g, F):	37.410
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	7.975
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.879
Duplicate RPD:	13.46%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

24

9000000

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Quality Control Sample Performance Assessment

3/7/07

Test:	Gross Beta
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.095
M/B 2 Sigma CSU:	0.758
MB MDC:	1.856
MB Numerical Performance Indicator:	0.25
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.707	40.707
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.354	20.354
Uncertainty (Calculated):	1.995	1.995
Result (pCi/L, g, F):	14.519	16.805
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	3.565	3.914
Numerical Performance Indicator:	-2.80	-1.58
Percent Recovery:	71.33%	82.57%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	14.519
Sample Result 2 Sigma CSU (pCi/L, g, F):	3.565
Sample Duplicate Result (pCi/L, g, F):	16.805
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	3.914
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.846
Duplicate RPD:	14.60%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.758
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.758
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.994
Sample Result:	1.778
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.023
Sample Matrix Spike Result:	39.129
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.032
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.740
MSD Numerical Performance Indicator:	
MS Percent Recovery:	91.64%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

Sample Condition Upon Receipt

Pace Analytical

Client Name: Fothe Van Dyke - North Jackson Project # 880751

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Poly

Thermometer Used JB Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.5°C 0.5°C 3.0°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 2-9-07 GP 2-9-07 ALY

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO_2, NO_3, Turbidity
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W, SW		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed GD / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 3/9/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	Marquette, MI
Project Contact:	D. Wiitala
Phone:	906-225-6787 ext 2
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	ANDY MARTININI, Richard EAGLE, Kamran Syed
Sampled By (Sign):	Richard Eagle
PO #:	Regulatory Program:

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

AMV

COC No. 015114

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other ZnAc, Sodium Hydroxide

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	FVD
Mail To Address:	2737 S Ridge Rd ste 600 Green Bay WI 54304
Invoice To Contact:	J. Kesy
Invoice To Company:	FVD
Invoice To Address:	SAME
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: 1 L Poly 1-500ml Poly 1-250ml Poly	1-500ml glass	3-40ml Vials	See Attached Page	1-40z Amber	1-250ml Glass	1-4oz Amber	2-500ml Poly 1-250ml Poly	250ml	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N: N	N	N		N	Y	N	N				
					Pick Letter: A	B	C		C		D	J				
001	Trip Blank 2	2-8-07	—	W		2									2-40mlB	
002	FBKS-002		0815	W	4	4	3				3	1			3-40mlB	
003	DUPS-002		—	SW	4	4	2		1		3	1			2-4oz C Amber, 1-250ml PolyC	
004	MERS-001		1140	SW	4	4	2		1		3	1				
005	MERS-003		1315	SW	4	4	2		1		3	1				
006	MERS-002		1405	SW	4	4	2		1		3	1				
007	WBRS-001		1455	SW	4	4	2		1		3	1				

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard EAGLE	2/7/07 1700		
Fedex	2/9/07 0855	[illegible signature]	2/9/07 0855

PACE Project No. 880751

Receipt Temp = 0.5 0.5 3.0°C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: GAS
QC Batch Number: 18159
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2127-36MB	GG2127-36MB
LCS	GG2127-36MBLCS	GG2127-36MBLCS
LCSD	GG2127-36MBLCSD	GG2127-36MBLCSD

Client Sample ID	Lab Sample ID	MB ID
TRIP BLANK 2	880751-001	MB
DUPS-002	880751-003	MB
MERS-003	880751-005	MB
WBRS-001	880751-007	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB
MERS-001	880751-004	MB
MERS-002	880751-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Benzene	< 0.14	20.0	19.8	99		20.0	20.2	101		1.8		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	< 0.4	20.0	21.1	106		20.0	21.2	106		0.4		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Toluene	< 0.36	20.0	20.7	104		20.0	20.9	104		0.6		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	< 0.74	40.0	42.1	105		40.0	42.1	105		0.2		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, o	< 0.36	20.0	20.6	103		20.0	20.5	103		0.1		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene	101%	---	---	101		---	---	101		---		80	124	---	---	---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18159

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880751
Lab Section: METALS
QC Batch Number: 18173
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-23	MBWMTG2102-23
LCS	LCSWMTG2102-23	LCSWMTG2102-23
MS	880723-002MS	880723-002MS
MSD	880723-002MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result		Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum		<	6.3	10000	9517	95.2		---	---	---		---		75	125	20	880723-002			31.590	10000	9840	98.1		10000	9854	98.2		0.1		75	125	20
Antimony		<	0.24	200.0	201.2	100.6		---	---	---		---		75	125	20	880723-002		<	0.24	200.0	204.6	102.3		200.0	205.9	102.9		0.6		75	125	20
Arsenic		<	0.13	200.0	197.6	98.8		---	---	---		---		75	125	20	880723-002			0.9800	200.0	201.7	100.4		200.0	202.8	100.9		0.5		75	125	20
Barium		<	0.12	200.0	183	91.5		---	---	---		---		75	125	20	880723-002			8.210	200.0	195.4	93.6		200.0	197	94.4		0.8		75	125	20
Beryllium		<	0.1	200.0	191.7	95.8		---	---	---		---		75	125	20	880723-002		<	0.1	200.0	190	95.0		200.0	192.6	96.3		1.4		75	125	20
Boron		J	3.7	200.0	184.9	92.4		---	---	---		---		75	125	20	880723-002			16.33	200.0	202.1	92.9		200.0	207.3	95.5		2.5		75	125	20
Cadmium		<	0.12	200.0	194.2	97.1		---	---	---		---		75	125	20	880723-002		<	0.12	200.0	196.5	98.2		200.0	196.3	98.2		0.1		75	125	20
Calcium		<	13	10000.0	9597	96.0		---	---	---		---		75	125	20	880723-002			13620.0	10000.0	22650	90.3		10000.0	22870	92.5		1.0		75	125	20
Chromium		<	0.32	200.0	191	95.5		---	---	---		---		75	125	20	880723-002		<	0.32	200.0	194.1	97.1		200.0	194.6	97.3		0.3		75	125	20
Cobalt		<	0.026	200.0	188.1	94.1		---	---	---		---		75	125	20	880723-002			0.2200	200.0	188.4	94.1		200.0	190.3	95.0		1.0		75	125	20
Copper		<	0.59	200.0	189.5	94.8		---	---	---		---		75	125	20	880723-002		<	0.59	200.0	190.2	95.1		200.0	188.6	94.3		0.8		75	125	20
Iron		<	9.3	10000.0	9701	97.0		---	---	---		---		75	125	20	880723-002			2492.00	10000.0	12150	96.6		10000.0	11940	94.5		1.7		75	125	20
Lead		<	0.049	200.0	191.9	95.9		---	---	---		---		75	125	20	880723-002			0.1400	200.0	199	99.4		200.0	198.8	99.3		0.1		75	125	20
Magnesium		<	4.6	10000.0	9680	96.8		---	---	---		---		75	125	20	880723-002			6009.00	10000.0	15410	94.0		10000.0	15480	94.7		0.5		75	125	20
Manganese		J	0.76	200.0	188.9	94.4		---	---	---		---		75	125	20	880723-002			289.2	200.0	448.4	79.6		200.0	461	85.9		2.8		75	125	20
Molybdenum		<	0.61	200.0	187.4	93.7		---	---	---		---		75	125	20	880723-002			0.6400	200.0	195.2	97.3		200.0	195.7	97.5		0.3		75	125	20
Nickel		<	0.32	200.0	189.3	94.7		---	---	---		---		75	125	20	880723-002			0.4800	200.0	189.8	94.7		200.0	192.8	96.2		1.6		75	125	20
Potassium		<	5.7	10000.0	9906	99.1		---	---	---		---		75	125	20	880723-002			1865.00	10000.0	11810	99.4		10000.0	12110	102.4		2.5		75	125	20
Selenium		<	0.67	200.0	193.1	96.6		---	---	---		---		75	125	20	880723-002		<	0.67	200.0	196.8	98.4		200.0	190.6	95.3		3.2		75	125	20
Silver		<	0.034	100	94.5	94.5		---	---	---		---		75	125	20	880723-002		<	0.034	100	94.7	94.7		100	96.4	96.4		1.8		75	125	20
Sodium		<	17	10000.0	9738	97.4		---	---	---		---		75	125	20	880723-002			6379.00	10000.0	15990	96.1		10000.0	16000	96.2		0.1		75	125	20
Thallium		<	0.053	200.0	186.3	93.2		---	---	---		---		75	125	20	880723-002		<	0.053	200.0	192.6	96.3		200.0	192.8	96.4		0.1		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18173

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.1	200.0	187.3	93.7		---	---	---		---		75	125	20	880723-002	0.5400	200.0	191.7	95.6		200.0	192.2	95.8		0.3		75	125	20
Zinc	J	1.9	200.0	195.9	97.9		---	---	---		---		75	125	20	880723-002	4.150	200.0	195	95.4		200.0	194.9	95.4		0.1		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18173

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: METALS-K
QC Batch Number: 18299
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-064	MBMTK0966-064
IPR	IPRWMTK0966-064	IPRWMTK0966-064
OPR	OPRWMTK0966-064	OPRWMTK0966-064
MS	WBRS-001MS	880751-007MS
MS	880746-002MS	880746-002MS
MSD	WBRS-001MSD	880751-007MSD
MSD	880746-002MSD	880746-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB
MERS-001	880751-004	MB
MERS-002	880751-006	MB
DUPS-002	880751-003	MB
MERS-003	880751-005	MB
WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Mercury - Low Level	0.261	0	---	---		---	---	---		---		---	---	---	880746-002	2.89	10.0	12.2	93.1		10.0	13.2	102.9		7.7		75	125	24
Mercury - Low Level	0.261	0	---	---		---	---	---		---		---	---	---	880751-007	5.25	10.0	15.8	105.6		10.0	14.7	94.1		7.6		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18299

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18154
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	WBRS-001DUP	880751-007DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	880751-007	2.960	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18154

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18155
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-006MB	WCG2135-006MB
LCS	WCG2135-006MBLCS	WCG2135-006MBLCS
MS	WBRS-001MS	880751-007MS
MS	MERS-001MS	880751-004MS
MSD	WBRS-001MSD	880751-007MSD
MSD	MERS-001MSD	880751-004MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB
MERS-001	880751-004	MB
MERS-002	880751-006	MB
DUPS-002	880751-003	MB
MERS-003	880751-005	MB
WBRS-001	880751-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	880751-004		12.01	208.3	241	109.9		208.3	244.4	111.5	N	1.4		90	110	10
COD	<	9.7	400.0	438.3	109.6		---	---	---		---		90	110	10	880751-007		79.36	208.3	305	108.3		208.3	301.6	106.7		1.1		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18155

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18160
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-004MB	WCG2138-004MB
LCS	WCG2138-004MBLCS	WCG2138-004MBLCS
MS	WBRS-001MS	880751-007MS
MSD	WBRS-001MSD	880751-007MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB
MERS-001	880751-004	MB
MERS-002	880751-006	MB
DUPS-002	880751-003	MB
MERS-003	880751-005	MB
WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	< 0.82	20.0	18.7	93.6		---	---	---		---		90	110	20	880751-007	23.4	20.0	44.1	103.4		20.0	44	102.6		0.2		90	110	20
Fluoride	< 0.096	2.0	1.8	91.0		---	---	---		---		90	110	20	880751-007	< 0.096	2.0	1.9	93.0		2.0	1.9	94.0		1.1		90	110	20
Nitrogen, Nitrate	< 0.088	1.6	1.5	95.0		---	---	---		---		90	110	20	880751-007	0.14	1.6	1.6	90.0		1.6	1.6	89.4	N	0.6		90	110	20
Nitrogen, Nitrite	< 0.04	0.80	0.79	98.8		---	---	---		---		90	110	20	880751-007	< 0.04	0.80	0.82	102.5		0.80	0.83	103.8		1.2		90	110	20
Sulfate	< 0.77	16.0	15	93.7		---	---	---		---		90	110	20	880751-007	5.39	16.0	19.9	90.6		16.0	20	91.1		0.4		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18160

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18175
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-024MB	WCG2107-024MB
LCS	WCG2107-024MBLCS	WCG2107-024MBLCS
DUP	WBRS-001DUP	880751-007DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	524.0	482	92.0		---	---	---		---		80	120	10	880751-007	130.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18175

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18193
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-081MB	WCG1919-081MB
LCS	WCG1919-081MBLCS	WCG1919-081MBLCS
LCSD	WCG1919-081MBLCSD	WCG1919-081MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.5	44.8	42	93.8		44.8	43.2	96.4		2.8		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18193

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18209
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2085-070MB	WCG2085-070MB
LCS	WCG2085-070MBLCS	WCG2085-070MBLCS
DUP	880802-001DUP	880802-001DUP
DUP	WBRS-001DUP	880751-007DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	162.0	152	93.8		---	---	---		---		80	120	10	880751-007		2.500	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.24	162.0	152	93.8		---	---	---		---		80	120	10	880802-001		72.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18209

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880751
Lab Section: WETCHEM
QC Batch Number: 18218
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-082MB	WCG1919-082MB
LCS	WCG1919-082MBLCS	WCG1919-082MBLCS
MS	DUPS-002MS	880751-003MS
MSD	DUPS-002MSD	880751-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	880751-003	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18218

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880751
Lab Section: WETCHEM-K
QC Batch Number: 18329
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-050MB	WCG2106-050MB
LCS	WCG2106-050MBLCS	WCG2106-050MBLCS
MS	880793-002MS	880793-002MS
MS	880723-008MS	880723-008MS
MSD	880793-002MSD	880793-002MSD
MSD	880723-008MSD	880723-008MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-002	880751-002	MB	DUPS-002	880751-003	MB
MERS-001	880751-004	MB	MERS-003	880751-005	MB
MERS-002	880751-006	MB	WBRS-001	880751-007	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	< 0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880723-008	11.90	100.0	121.6	109.6		100.0	125.4	113.5		3.1		80	120	20
TOC as NPOC	< 0.72	100.0	103.6	103.6		---	---	---		---		80	120	20	880793-002	7.513	100.0	117.7	110.2		100.0	117.5	110.0		0.2		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18329

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880751
Lab Section: WETCHEM-K
QC Batch Number: 18333
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-051MB	WCG2106-051MB
LCS	WCG2106-051MBLCS	WCG2106-051MBLCS
MS	DUPS-002MS	880751-003MS
MS	880723-002MS	880723-002MS
MSD	DUPS-002MSD	880751-003MSD
MSD	880723-002MSD	880723-002MSD

Client Sample ID	Lab Sample ID	MB ID
DUPS-002	880751-003	MB
MERS-003	880751-005	MB
WBRS-001	880751-007	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-001	880751-004	MB
MERS-002	880751-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880723-002	8.783	100.0	116.4	107.6		100.0	120.7	111.9		3.6		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	100.8	100.8		---	---	---		---		80	120	20	880751-003	5.520	100.0	120.3	114.8		100.0	117	111.4		2.8		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18333

Batch No. 880840

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

March 9, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of environmental samples and associated QC samples for the Humboldt Mill project (06W003). The samples were assigned to batch number 880840 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alle Ah for Tod N

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 880840

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
880840-001	HMPS-001E	WATER	02/13/07 12:50
880840-002	DUPS-004	WATER	02/13/07
880840-003	WLDS-002E	WATER	02/13/07 14:25
880840-004	WLDS-003E	WATER	02/13/07 15:00
880840-005	TRIP BLANK 2	WATER	02/13/07
880840-006	FBKS-004	WATER	02/13/07 08:00

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Alle Kn for Tod N
Approval Signature

3/9/07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	6.3	U	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	8.6		0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.89	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	8.2		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	92		1.2	50	1	ug/L	AN	02/21/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	49000		130	5000	10	ug/L		02/21/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	4.1		0.026	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Copper	1.6		0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	220		1.5	20	10	mg/L		02/21/07	SW846 3020A	6020/2340B
Iron	270		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.050	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	3.5		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	24000		46	5000	10	ug/L		02/21/07	SW846 3020A	SW846 6020
Manganese	270		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.183	U	0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	12		0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	16		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	8800		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	1.1		0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	14000		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.38	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	10		0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	110		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	11		0.82	5.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L	N	02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	2.1		0.088	0.40	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/23/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	140		7.7	40	10	mg/L		02/16/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		02/20/07	EPA 376.1	EPA 376.1
TOC as NPOC	3.1		0.72	2.0	1	mg/L	X	02/23/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	3.1		0.72	2.0	1	mg/L		02/23/27	EPA 415.2	EPA 415.2
Total Alkalinity	110		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	340		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.43	B	0.25	1.1	1	mg/L		02/16/07	EPA 160.2	EPA 160.2
Turbidity	2.9		0.44	1.0	1	NTU	*	02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HMPS-001E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-001

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-004

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-002

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	15	B	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	8.6		0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.61	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	8.2		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.17	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	96		1.2	50	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Cadmium	0.22	B	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	48000		130	5000	10	ug/L		02/21/07	SW846 3020A	SW846 6020
Chromium	0.36	B	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	4.1		0.026	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Copper	1.8		0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	220		1.5	20	10	mg/L		02/21/07	SW846 3020A	6020/2340B
Iron	270		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.18	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	3.7		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	24000		46	5000	10	ug/L		02/21/07	SW846 3020A	SW846 6020
Manganese	250		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.183	U	0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	12		0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	16		0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	8600		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.080	B	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	13000		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.12	B	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.45	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	2.9	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	110		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	11		0.82	5.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
COD	10	U	10	21	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.24	B	0.096	0.50	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	2.1		0.088	0.40	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/23/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	130		7.7	40	10	mg/L		02/16/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		02/20/07	EPA 376.1	EPA 376.1
TOC as NPOC	2.2		0.72	2.0	1	mg/L	X	02/23/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	2.6		0.72	2.0	1	mg/L		02/23/27	EPA 415.2	EPA 415.2
Total Alkalinity	110		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	330		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.26	U	0.26	1.1	1	mg/L		02/16/07	EPA 160.2	EPA 160.2
Turbidity	2.5		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUPS-004

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-002

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	27	B	6.3	50	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Arsenic	0.31	B	0.13	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Barium	17		0.12	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/22/07	SW846 3020A	SW846 6020
Boron	14	B	1.2	50	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Calcium	9700		13	500	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Cobalt	0.27	B	0.026	1.0	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Hardness	32		0.15	5.0	1	mg/L		02/21/07	SW846 3020A	6020/2340B
Iron	11000		9.3	50	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Lead	0.060	B	0.049	1.0	1	ug/L	HOLD	02/16/07	SW846 3020A	SW846 6020
Lithium	0.30		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	1800		4.6	500	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Manganese	270		0.12	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Mercury - Low Level	1.21		0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Potassium	950		5.7	500	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Silver	0.070	B	0.049	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Sodium	720		17	500	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Vanadium	0.45	B	0.10	1.0	1	ug/L		02/21/07	SW846 3020A	SW846 6020
Zinc	3.3	B	0.98	10	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	43		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
COD	41		9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.27	B	0.096	0.50	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/23/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	1.4	B	0.77	4.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		02/20/07	EPA 376.1	EPA 376.1
TOC as NPOC	15		0.72	2.0	1	mg/L		02/23/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	15		0.72	2.0	1	mg/L		02/23/27	EPA 415.2	EPA 415.2
Total Alkalinity	43		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	100		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	14		0.53	2.2	1	mg/L		02/16/07	EPA 160.2	EPA 160.2
Turbidity	5.9		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-002E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-003

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	1.2		0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	16	B	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.39	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	38		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	14	B	1.2	50	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	9100		13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.080	B	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	0.59	U	0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	32		0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	420		9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.049	U	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	0.24		0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	2200		4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	850		0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.306	B	0.183	0.500	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	1300		5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.67	U	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	960		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.54	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	5.7	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	30		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.6	B	0.82	5.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
COD	24		9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.20	B	0.096	0.50	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.11	B	0.088	0.40	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/23/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	4.2		0.77	4.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		02/20/07	EPA 376.1	EPA 376.1
TOC as NPOC	8.6		0.72	2.0	1	mg/L		02/23/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	9.6		0.72	2.0	1	mg/L		02/23/27	EPA 415.2	EPA 415.2
Total Alkalinity	30		1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	40		11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	1.9		0.25	1.1	1	mg/L		02/16/07	EPA 160.2	EPA 160.2
Turbidity	1.7		0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-003E

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-004

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

Analytical Report Number: 880840

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 2

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-005

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	101		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

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Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-004

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-006

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	6.3	U	6.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Antimony	0.24	U	0.24	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Arsenic	0.31	B	0.13	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Barium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Beryllium	0.10	U	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Boron	160		1.2	50	1	ug/L	A	02/21/07	SW846 3020A	SW846 6020
Cadmium	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Calcium	13	U	13	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Chromium	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Cobalt	0.026	U	0.026	1.0	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Copper	3.0		0.59	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Hardness	0.15	U	0.15	2.0	1	mg/L		02/16/07	SW846 3020A	6020/2340B
Iron	9.3	U	9.3	50	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lead	0.19	B	0.049	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Lithium	0.014	U	0.014	0.047	1	ug/L		02/16/07	EPA 3020	EPA 6020
Magnesium	4.6	U	4.6	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Manganese	0.12	U	0.12	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Mercury - Low Level	0.183	U	0.183	0.183	1	ng/L		02/20/07	EPA 1631E	EPA 1631E
Molybdenum	0.61	U	0.61	10	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Nickel	0.32	U	0.32	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Potassium	5.7	U	5.7	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Selenium	0.93	B	0.67	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Silver	0.034	U	0.034	0.50	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Sodium	840		17	500	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Thallium	0.053	U	0.053	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Vanadium	0.27	B	0.10	1.0	1	ug/L		02/16/07	SW846 3020A	SW846 6020
Zinc	3.8	B	0.98	10	1	ug/L	A	02/16/07	SW846 3020A	SW846 6020
Bicarbonate Alkalinity	4.3	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Carbonate Alkalinity	1.7	U	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Chloride	2.8	B	0.82	5.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
COD	9.7	U	9.7	20	1	mg/L		02/17/07	EPA 410.4	EPA 410.4
Fluoride	0.096	U	0.096	0.50	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Ammonia	0.25	U	0.25	0.50	1	mg/L		02/27/07	EPA 350.1	EPA 350.1
Nitrogen, Nitrate	0.088	U	0.088	0.40	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Nitrogen, Nitrite	0.040	U	0.040	0.10	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Oil & Grease - Non Polar	2.4	U	2.4	5.1	1	mg/L		02/23/07	EPA 1664 TPH	EPA 1664 TPH
Sulfate	1.2	B	0.77	4.0	1	mg/L		02/14/07	EPA 300.0	EPA 300.0
Sulfide	2.5	U	2.5	5.0	1	mg/L		02/20/07	EPA 376.1	EPA 376.1
TOC as NPOC	0.72	U	0.72	2.0	1	mg/L		02/23/07	EPA 415.2	EPA 415.2
TOC as NPOC - Dissolved	0.72	U	0.72	2.0	1	mg/L		02/23/27	EPA 415.2	EPA 415.2
Total Alkalinity	4.3	B	1.7	10	1	mg/L		02/14/07	SM 2320B	SM 2320B
Total Dissolved Solids	20	B	11	20	1	mg/L		02/16/07	EPA 160.1	EPA 160.1
Total Suspended Solids	0.25	U	0.25	1.1	1	mg/L		02/16/07	EPA 160.2	EPA 160.2
Turbidity	0.44	U	0.44	1.0	1	NTU		02/14/07	EPA 180.1	EPA 180.1
Gross Alpha & Beta	INCL.									

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 880840

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-004

Matrix Type : WATER
Collection Date : 02/13/07
Report Date : 03/07/07
Lab Sample Number : 880840-006

BTEX

Prep Date: 02/15/07

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date	Prep Method	Anl Method
Benzene	0.14	U	0.14	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U	0.40	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Toluene	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		02/15/07	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	102		80	124	1	%		02/15/07	SW846 5030B	SW846 8021B

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Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
880840	BTEX-W	All Samples	001-006 Insufficient sample for MS/MSD analysis.
880840-	M-AG-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.04 ug/L.
880840-	M-B-W	All Samples	A - Analyte is detected in the method blank at a concentration of 16 ug/L.
880840-	M-CO-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.04 ug/L.
880840-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.5 ug/L.
880840-001	W-TOC-W	HMPS-001E	X - Unable to achieve 10% RPD in two injecions. The avgerage of 5 replicates was used.
880840-002	W-TOC-W	DUPS-004	X - Unable to achieve 10% RPD in two injecions. The avgerage of 5 replicates was used.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	880840-001	880840-002	880840-003	880840-004	880840-005	880840-006
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B		B
ALUMINUM	B	B	B	B		B
ANTIMONY	B	B	B	B		B
ARSENIC	B	B	B	B		B
BARIUM	B	B	B	B		B
BERYLLIUM	B	B	B	B		B
BORON	B	B	B	B		B
BTEX	G	G	G	G	G	G
CADMIUM	B	B	B	B		B
CALCIUM	B	B	B	B		B
CHLORIDE	B	B	B	B		B
CHROMIUM	B	B	B	B		B
COBALT	B	B	B	B		B
COD	B	B	B	B		B
COPPER	B	B	B	B		B
FLUORIDE	B	B	B	B		B
HARDNESS	B	B	B	B		B
IRON	B	B	B	B		B
LEAD	B	B	B	B		B
LITHIUM	M	M	M	M		M
MAGNESIUM	B	B	B	B		B
MANGANESE	B	B	B	B		B
MERCURY - LOW LEVEL	K	K	K	K		K
MOLYBDENUM	B	B	B	B		B
NICKEL	B	B	B	B		B
NITROGEN, AMMONIA	M	M	M	M		M
NITROGEN, NITRATE	B	B	B	B		B
NITROGEN, NITRITE	B	B	B	B		B
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M		M
POTASSIUM	B	B	B	B		B
SAS	W	W	W	W		W
SELENIUM	B	B	B	B		B
SILVER	B	B	B	B		B
SODIUM	B	B	B	B		B
SOLIDS, TOTAL DISSOLVED	B	B	B	B		B
SOLIDS, TOTAL SUSPENDED	B	B	B	B		B
SULFATE	B	B	B	B		B
SULFIDE	B	B	B	B		B
THALLIUM	B	B	B	B		B
TOC AS NPOC	K	K	K	K		K

Test Group Name	880840-001	880840-002	880840-003	880840-004	880840-005	880840-006
TOC AS NPOC - DISSOLVED	K	K	K	K		K
TURBIDITY	B	B	B	B		B
VANADIUM	B	B	B	B		B
ZINC	B	B	B	B		B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 880840
Lab Section: METALS-K
QC Batch Number: 18321
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-066	MBMTK0966-066
MB2	MB2WMTK0966-066	MB2WMTK0966-066
MB3	MB3WMTK0966-066	MB3WMTK0966-066
IPR	IPRWMTK0966-066	IPRWMTK0966-066
OPR	OPRWMTK0966-066	OPRWMTK0966-066
MS	880905-002MS	880905-002MS
MS	WLDS-002EMS	880840-003MS
MSD	880905-002MSD	880905-002MSD
MSD	WLDS-002EMSD	880840-003MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
HMPS-001E	880840-001	DUPS-004	880840-002
WLDS-002E	880840-003	WLDS-003E	880840-004
FBKS-004	880840-006		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.183	< 0.183	< 0.183	5	5.132	102.6	4.875	97.5	79	121	880840-003	1.2	5.0	6.2	100.5		5.0	6.3	102.1		1.2		75	125	24
Mercury - Low Level											880905-002	56.85	50.00	101.5	89.4		50.00	101.5	89.4		0.0		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 3/7/2007
QC Batch Number: 18321

Pace Analytical®
Waltz Mill Laboratory

Pace Analytical Services, Inc.
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208
www.pacelabs.com

March 6, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Water Characterization
880840 Foth & Van Dyke
Pace Project No. 07-0959

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on February 16, 2007 and logged in for analysis on February 17, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-0959
CLIENT: 880840 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0702-0905	HMPS-001E	0702-0906	DUPS-004
0702-0907	WLDS-002E	0702-0908	WLDS-003E
0702-0909	FBKS-004		

C: SHIPPING/RECEIVING COMMENTS:

None

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-0959
Water Characterization; 880840 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0905	HMPS-001E	(2/13/07)	03/05/07	0.009 ± 0.880	(2.57)
0702-0906	DUPS-004	(2/13/07)	03/05/07	2.65 ± 1.81	(2.71)
0702-0907	WLDS-002E	(2/13/07)	03/05/07	-0.149 ± 0.547	(1.75)
0702-0908	WLDS-003E	(2/13/07)	03/05/07	-0.256 ± 0.279	(1.35)
0702-0909	FBKS-004	(2/13/07)	03/05/07	-0.315 ± 0.375	(1.54)
0702-0910	Method Blank	(2/16/07)	03/05/07	-0.146 ± 0.252	(1.13)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

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Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0702-0905	HMPS-001E	(2/13/07)	03/05/07	1.41 ± 1.09	(2.19)
0702-0906	DUPS-004	(2/13/07)	03/05/07	8.50 ± 2.25	(1.83)
0702-0907	WLDS-002E	(2/13/07)	03/05/07	1.87 ± 1.02	(1.78)
0702-0908	WLDS-003E	(2/13/07)	03/05/07	0.270 ± 0.779	(1.85)
0702-0909	FBKS-004	(2/13/07)	03/05/07	0.076 ± 0.784	(1.94)
0702-0910	Method Blank	(2/16/07)	03/05/07	0.095 ± 0.758	(1.86)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

5000005

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Quality Control Sample Performance Assessment

3/7/07

Test:	Gross Alpha
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	-0.146
M/B 2 Sigma CSU:	0.252
MB MDC:	1.131
MB Numerical Performance Indicator:	-1.14
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	42.808	37.410
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	9.012	7.975
Numerical Performance Indicator:	-0.67	-2.01
Percent Recovery:	92.96%	81.24%
Status vs Numerical Indicator:	Pass	Warning
Status vs Recovery:	N/A	N/A

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	1.224
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.994
Sample Matrix Spike Result:	91.494
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	18.115
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.189
MSD Numerical Performance Indicator:	
MS Percent Recovery:	98.02%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	42.808
Sample Result 2 Sigma CSU (pCi/L, g, F):	9.012
Sample Duplicate Result (pCi/L, g, F):	37.410
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	7.975
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.879
Duplicate RPD:	13.46%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

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9000000

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Quality Control Sample Performance Assessment

3/7/07

Test:	Gross Beta
Analyst:	ELS
Date:	3/6/2007
Worklist:	14071
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.095
M/B 2 Sigma CSU:	0.758
MB MDC:	1.856
MB Numerical Performance Indicator:	0.25
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	3/3/2007	3/3/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.707	40.707
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.354	20.354
Uncertainty (Calculated):	1.995	1.995
Result (pCi/L, g, F):	14.519	16.805
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	3.565	3.914
Numerical Performance Indicator:	-2.80	-1.58
Percent Recovery:	71.33%	82.57%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A

Duplicate Sample Assessment

Sample I.D.:	14071 LCS
Duplicate Sample I.D.	14071 LCSDUP
Sample Result (pCi/L, g, F):	14.519
Sample Result 2 Sigma CSU (pCi/L, g, F):	3.565
Sample Duplicate Result (pCi/L, g, F):	16.805
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	3.914
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.846
Duplicate RPD:	14.60%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	2/12/2007
Sample I.D.	0702-0743
Sample MS I.D.	0702-0743MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.758
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.758
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.994
Sample Result:	1.778
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.023
Sample Matrix Spike Result:	39.129
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.032
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.740
MSD Numerical Performance Indicator:	
MS Percent Recovery:	91.64%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 880840 ~~880840 cf~~

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB **Type of Ice:** (Wet) Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 1.0, 1.0, 0.5 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2-14-07 CG VMB 2/14/07

Comments:

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. Nitrate, Nitrite, Turbidity
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SW/WW				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed CG / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 3/9/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	Marquette M
Project Contact:	D. Wittala
Phone:	906 225-6787
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Marcum, Richard Eagle, AJ
Sampled By (Sign):	
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 017627

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other = ZnAc

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	Foth
Mail To Address:	2737 S Ridge Rd Ste 600 Green Bay WI 54304
Invoice To Contact:	J. Kesy
Invoice To Company:	Foth
Invoice To Address:	SAME
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested								CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				Y/N	N	N	N	Y	N	N				
	PRESERVATION (CODE)*				Pick Letter	A	B	C	C	D	J				
					See Foth SW Parameter List										
001	HMPS-001E	2-13-07	1250	SW		4	4	2	1	3	1			1trag B, 1tr P A, 1-500ml g A, 3-500ml DDA 4-250ml p.D C AJ, 3-40ml B, 2-4oz ag C	3 of
002	DUPS-004	"	—	SW		4	4	2	1	3	1			↓	
003	WLDS-002E	"	1425	SW		4	4	2	1	3	1			↓	
004	WLDS-003E	"	1500	SW		4	4	2	1	3	1			↓	
005	Trip Blank 2	"	—	W			2							2-40ml B	
006	FBKS-004	"	0800	W		4	4	3		3	1			1trag B, 1tr P A, 1-500ml g A, 3-500ml DDA 4-250ml p D C AJ, 3-40ml B, 2-40ml ag C	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	02-13-07 1700		
FedEx	2/14/07 11:30	[signature]	2/14/07 11:30

PACE Project No. 880840

Receipt Temp = 0.5, 1.0, 1.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: GAS
QC Batch Number: 18226
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2127-39MB	GG2127-39MB
LCS	GG2127-39MBLCS	GG2127-39MBLCS
LCSD	GG2127-39MBLCSD	GG2127-39MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB	DUPS-004	880840-002	MB
WLDS-002E	880840-003	MB	WLDS-003E	880840-004	MB
TRIP BLANK 2	880840-005	MB	FBKS-004	880840-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	19.5	97		20.0	19.3	97		0.8		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	19.1	95		20.0	19.2	96		0.9		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	20.9	104		20.0	20.6	103		1.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	36.9	92		40.0	37.2	93		0.7		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	18.2	91		20.0	18.3	91		0.3		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		102%	---	---	102		---	---	101		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18226

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880840
Lab Section: METALS
QC Batch Number: 18249
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-26	MBWMTG2102-26
LCS	LCSWMTG2102-26	LCSWMTG2102-26
MS	HMPS-001EMS	880840-001MS
MSD	HMPS-001EMSD	880840-001MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	<	6.3	10000	10060	100.6		---	---	---		---		75	125	20	880840-001	<	6.3	10000	9975	99.8		10000	9702	97.0		2.8		75	125	20
Antimony	<	0.24	200.0	204.6	102.3		---	---	---		---		75	125	20	880840-001		8.570	200.0	219.2	105.3		200.0	211.7	101.6		3.5		75	125	20
Arsenic	<	0.13	200.0	201.7	100.8		---	---	---		---		75	125	20	880840-001		0.8900	200.0	209.7	104.4		200.0	204	101.6		2.8		75	125	20
Barium	J	0.25	200.0	195.1	97.6		---	---	---		---		75	125	20	880840-001		8.250	200.0	211.3	101.5		200.0	204.8	98.3		3.1		75	125	20
Beryllium	<	0.1	200.0	194.9	97.4		---	---	---		---		75	125	20	880840-001	<	0.1	200.0	184.1	92.1		200.0	182.8	91.4		0.7		75	125	20
Boron	J	16	200.0	190.7	95.3		---	---	---		---		75	125	20	880840-001		92.39	200.0	239.8	73.7	N	200.0	268.7	88.2		11.4		75	125	20
Cadmium	<	0.12	200.0	200.1	100.1		---	---	---		---		75	125	20	880840-001	<	0.12	200.0	201.1	100.6		200.0	193.8	96.9		3.7		75	125	20
Calcium	<	13	10000.0	10130	101.3		---	---	---		---		75	125	20	880840-001		49130.0	10000.0	58980	98.5	+	10000.0	58460	93.3	+	0.9		75	125	20
Chromium	<	0.32	200.0	202.1	101.1		---	---	---		---		75	125	20	880840-001	<	0.32	200.0	199.9	99.9		200.0	197.2	98.6		1.4		75	125	20
Cobalt	<	0.026	200.0	194.9	97.4		---	---	---		---		75	125	20	880840-001		4.080	200.0	196.6	96.3		200.0	192.7	94.3		2.0		75	125	20
Copper	<	0.59	200.0	197.7	98.8		---	---	---		---		75	125	20	880840-001		1.600	200.0	192.8	95.6		200.0	190.8	94.6		1.0		75	125	20
Iron	<	9.3	10000.0	10160	101.6		---	---	---		---		75	125	20	880840-001		268.400	10000.0	10360	100.9		10000.0	10250	99.8		1.1		75	125	20
Lead	<	0.049	200.0	199.8	99.9		---	---	---		---		75	125	20	880840-001		5.000E-2	200.0	206.3	103.1		200.0	199.4	99.7		3.4		75	125	20
Magnesium	<	4.6	10000.0	10090	100.9		---	---	---		---		75	125	20	880840-001		24210.0	10000.0	34200	99.9		10000.0	33940	97.3		0.8		75	125	20
Manganese	<	0.12	200.0	201.5	100.8		---	---	---		---		75	125	20	880840-001		269.1	200.0	456.3	93.6		200.0	451.8	91.3		1.0		75	125	20
Molybdenum	<	0.61	200.0	198.2	99.1		---	---	---		---		75	125	20	880840-001		12.25	200.0	216.3	102.0		200.0	208	97.9		3.9		75	125	20
Nickel	J	0.78	200.0	196.6	98.3		---	---	---		---		75	125	20	880840-001		15.83	200.0	207.3	95.7		200.0	203.5	93.8		1.9		75	125	20
Potassium	<	5.7	10000.0	10330	103.3		---	---	---		---		75	125	20	880840-001		8811.00	10000.0	19760	109.5		10000.0	19240	104.3		2.7		75	125	20
Selenium	<	0.67	200.0	200.7	100.3		---	---	---		---		75	125	20	880840-001		1.120	200.0	203.6	101.2		200.0	196.6	97.7		3.5		75	125	20
Silver	<	0.034	100	97.4	97.4		---	---	---		---		75	125	20	880840-001	<	0.034	100	96.7	96.7		100	94.6	94.6		2.2		75	125	20
Sodium	<	17	10000.0	9985	99.8		---	---	---		---		75	125	20	880840-001		13920.0	10000.0	24100	101.8		10000.0	23380	94.6		3.0		75	125	20
Thallium	<	0.053	200.0	193.5	96.8		---	---	---		---		75	125	20	880840-001	<	0.053	200.0	201.1	100.6		200.0	194.8	97.4		3.2		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18249

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.1	200.0	197.9	98.9		---	---	---		---		75	125	20	880840-001	0.3800	200.0	201.3	100.5		200.0	196.7	98.2		2.3		75	125	20
Zinc	J	2.5	200.0	199.5	99.8		---	---	---		---		75	125	20	880840-001	10.00	200.0	196.5	93.2		200.0	189.6	89.8		3.6		75	125	20

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifer Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

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Report Date: 9/4/2007

QC Batch Number: 18249

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880840
Lab Section: METALS-K
QC Batch Number: 18321
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBMTK0966-066	MBMTK0966-066
IPR	IPRWMTK0966-066	IPRWMTK0966-066
OPR	OPRWMTK0966-066	OPRWMTK0966-066
MS	880905-002MS	880905-002MS
MS	WLDS-002EMS	880840-003MS
MSD	880905-002MSD	880905-002MSD
MSD	WLDS-002EMSD	880840-003MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	< 0.183	0	---	---		---	---	---		---		---	---	---	880840-003	1.2	5.0	6.2	100.5		5.0	6.3	102.1		1.2		75	125	24
Mercury - Low Level	< 0.183	0	---	---		---	---	---		---		---	---	---	880905-002	56.85	50.00	101.5	89.4		50.00	101.5	89.4		0.0		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 9/4/2007
QC Batch Number: 18321

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18218
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-082MB	WCG1919-082MB
LCS	WCG1919-082MBLCS	WCG1919-082MBLCS
MS	880751-003MS	880751-003MS
MSD	880751-003MSD	880751-003MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	880751-003	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	77.40	77.4	100.0		---	---	---		---		80	120	20	880751-003		40.85	100.0	141.9	101.1		100.0	139.8	98.9		1.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18218

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18221
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-008MB	WCG2138-008MB
LCS	WCG2138-008MBLCS	WCG2138-008MBLCS
MS	HMPS-001EMS	880840-001MS
MS	880808-001MS	880808-001MS
MSD	HMPS-001EMSD	880840-001MSD
MSD	880808-001MSD	880808-001MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	<	0.82	20.00	19.3	96.3		---	---	---		---		90	110	20	880808-001		440.5	200.0	667.4	113.4	N	200.0	659.5	109.5		1.2		90	110	20
Chloride	<	0.82	20.0	19.3	96.3		---	---	---		---		90	110	20	880840-001		10.8	20.0	29.6	94.0		20.0	29.6	94.2		0.1		90	110	20
Fluoride	<	0.096	2.0	1.9	94.0		---	---	---		---		90	110	20	880840-001		0.24	2.0	2	87.5	N	2.0	2	89.0	N	1.5		90	110	20
Nitrogen, Nitrate	<	0.088	1.6	1.6	96.9		---	---	---		---		90	110	20	880840-001		2.1	1.6	3.7	99.4		1.6	3.7	98.8		0.3		90	110	20
Nitrogen, Nitrite	<	0.04	0.80	0.79	98.8		---	---	---		---		90	110	20	880840-001	<	0.04	0.80	0.86	107.5		0.80	0.88	110.0		2.3		90	110	20
Sulfate	<	0.77	16.00	15.4	96.1		---	---	---		---		90	110	20	880840-001		135.6	160.0	286.1	94.1		160.0	285	93.4		0.4		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18221

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18229
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	HMPS-001EDUP	880840-001DUP

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	880840-001	2.900	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18229

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18255
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2085-072MB	WCG2085-072MB
LCS	WCG2085-072MBLCS	WCG2085-072MBLCS
DUP	880860-002DUP	880860-002DUP
DUP	WLDS-002EDUP	880840-003DUP

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.24	162.0	148	91.4		---	---	---		---		80	120	10	880840-003	14.22	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.24	162.0	148	91.4		---	---	---		---		80	120	10	880860-002	230.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18255

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18262
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-026MB	WCG2107-026MB
LCS	WCG2107-026MBLCS	WCG2107-026MBLCS
DUP	880793-001DUP	880793-001DUP

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Dissolved Solids	< 11	524.0	540	103.1		---	---	---		---		80	120	10	880793-001	100.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18262

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18269
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-007MB	WCG2135-007MB
LCS	WCG2135-007MBLCS	WCG2135-007MBLCS
MS	DUPS-004MS	880840-002MS
MS	880793-001MS	880793-001MS
MSD	DUPS-004MSD	880840-002MSD
MSD	880793-001MSD	880793-001MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	< 9.7	400.0	386.5	96.6		---	---	---		---		90	110	10	880793-001	28.85	208.3	244.4	103.5		208.3	244.4	103.5		0.0		90	110	10
COD	< 9.7	400.0	386.5	96.6		---	---	---		---		90	110	10	880840-002	< 10	208.3	227.5	109.2		208.3	227.5	109.2		0.0		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18269

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM
QC Batch Number: 18319
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-083MB	WCG1919-083MB
LCS	WCG1919-083MBLCS	WCG1919-083MBLCS
MS	880869-001MS	880869-001MS
MSD	880869-001MSD	880869-001MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.5	48.0	41.6	86.7		---	---	---		---		80	120	20	880869-001	< 2.5	48.0	36	75.0	N	48.0	32	66.7	N	11.8		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18319

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM-K
QC Batch Number: 18402
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-053MB	WCG2106-053MB
LCS	WCG2106-053MBLCS	WCG2106-053MBLCS
MS	WLDS-003EMS	880840-004MS
MS	880810-002MS	880810-002MS
MSD	WLDS-003EMSD	880840-004MSD
MSD	880810-002MSD	880810-002MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	104.7	104.7		---	---	---		---		80	120	20	880810-002		1.814	100.0	107.8	105.9		100.0	109.4	107.5		1.5		80	120	20
TOC as NPOC	<	0.72	100.0	104.7	104.7		---	---	---		---		80	120	20	880840-004		8.597	100.0	117.5	108.9		100.0	118.1	109.5		0.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18402

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 880840
Lab Section: WETCHEM-K
QC Batch Number: 18429
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-056MB	WCG2106-056MB
LCS	WCG2106-056MBLCS	WCG2106-056MBLCS
MS	HMPS-001EMS	880840-001MS
MSD	HMPS-001EMSD	880840-001MSD

Client Sample ID	Lab Sample ID	MB ID
HMPS-001E	880840-001	MB
WLDS-002E	880840-003	MB
FBKS-004	880840-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-004	880840-002	MB
WLDS-003E	880840-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	< 0.72	100.0	104	104.0		---	---	---		---		80	120	20	880840-001	3.090	100.0	109.4	106.3		100.0	110	106.9		0.6		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 18429

Spring 2007
Surface Water Quality
(April to May 2007)

Batch No.s 882218
882295, 883288, 883369

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

May 29, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of surface water samples and associated QC samples for the Humboldt Mill project (06W003). These samples were received between April 3 and May 3, 2007. The waters were assigned to batch numbers 882218, 882295, 883288 and 883369 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alec Kn for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 882218

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
882218-001	WLDS-001SE	WATER	04/02/07 11:35
882218-002	WBRS-003	WATER	04/02/07 10:52
882218-003	DUP-001	WATER	04/02/07
882218-004	MBRS-001	WATER	04/02/07 09:05
882218-005	EBRS-001	WATER	04/02/07 09:50
882218-006	WBRS-002	WATER	04/02/07 12:25
882218-007	WBRS-001	WATER	04/02/07 13:08
882218-008	TRIP BLANK 1	WATER	04/02/07
882218-009	FBKS-001	WATER	04/02/07 10:00

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Alec Hn for Tod N

Approval Signature

5/29/07

Date

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 882295

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
882295-001	MERS-001	WATER	04/03/07
882295-002	MERS-002	WATER	04/03/07
882295-003	MERS-003	WATER	04/03/07
882295-004	DUP-002	WATER	04/03/07
882295-005	TRIP BLANK 2	WATER	04/03/07
882295-006	FBKS-002	WATER	04/03/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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ACCREDITED IN ACCORDANCE WITH nelac

AH for TN

Approval Signature

5/29/07

Date

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 883288

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
883288-001	FBKS-003	WATER	05/01/07 09:00
883288-002	LKLS-001E	WATER	05/01/07 13:00
883288-003	LKLS-002E	WATER	05/01/07 12:40
883288-004	HTPS-001E	WATER	05/01/07 10:40
883288-005	HTPS-002E	WATER	05/01/07 09:10
883288-006	DUPS-003	WATER	05/01/07
883288-007	TRIP BLANK	WATER	05/01/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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AH for TN

Approval Signature

5/29/07

Date

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 883369

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
883369-001	FBKS-004	WATER	05/02/07 08:00
883369-002	WLDS-002	WATER	05/02/07 14:15
883369-003	HMP-001E	WATER	05/02/07 10:10
883369-004	WLDS-003	WATER	05/02/07 12:40
883369-005	DUPS-004	WATER	05/02/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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ACCREDITED IN ACCORDANCE WITH nelac

AH for TN

Approval Signature

5/29/07

Date

Pace Analytical Services, Inc.

Analytical Report Number: 882218

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001SE

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	140	6.3	50	1	ug/L	A	04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Antimony	0.24	U 0.24	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Arsenic	1.0	0.13	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Barium	45	0.12	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Boron	20	1.2	10	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Calcium	15000	13	500	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Chromium	0.95	B 0.32	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Cobalt	0.64	B 0.026	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Copper	1.5	0.59	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Hardness	61	0.15	2.0	1	mg/L		04/05/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Iron	8200	9.3	50	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Lead	1.8	0.049	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Lithium	0.41	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:	Anl By: *PA	
Magnesium	5800	4.6	500	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Manganese	1700	0.12	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Mercury - Low Level	1.70	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07 10:00 AM	Anl By: TLH	
Molybdenum	0.61	U 0.61	10	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Nickel	2.0	0.32	1.0	1	ug/L	A	04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Potassium	1600	5.7	500	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Selenium	0.67	U 0.67	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Silver	0.034	U 0.034	0.50	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	
Sodium	50000	170	5000	10	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM	Anl By: CCR	

Pace Analytical Services, Inc.

Analytical Report Number: 882218

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001SE

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM		Anl By: CCR
Vanadium	0.76	B 0.10	1.0	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM		Anl By: CCR
Zinc	360	0.98	10	1	ug/L		04/05/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07 10:10 AM		Anl By: CCR
Bicarbonate Alkalinity	55	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	17	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	19	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.26	B 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.58	B 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.18	B 0.085	0.40	1	mg/L	N	04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	2.3	U 2.3	5.1	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	4.1	0.51	4.0	1	mg/L	N	04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	6.8	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	7.0	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	55	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	110	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	32	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	21	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 2:57 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 2:57 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 2:57 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 2:57 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WLDS-001SE

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-001

BTEX

Prep Date/Time: 04/12/07 2:57 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 2:57 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 2:57 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	45	B 6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.92	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	6.6	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	12	1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	5900	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	1.2	0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.43	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.88	B 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	27	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	2000	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.18	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.74	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	2900	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	260	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	2.96	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	1.3	0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	1700	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	13000	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.46	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	13	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	21	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	31	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.22	B 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	15	2.5	5.3	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	6.3	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	9.6	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	13	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	98	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	6.4	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	7.0	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 3:23 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 3:23 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 3:23 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 3:23 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-003

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-002

BTEX

Prep Date/Time: 04/12/07 3:23 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 3:23 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 3:23 AM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	99	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	50	6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.90	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	5.7	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	11	1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	5100	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.62	B 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.36	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.63	B 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	23	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	1800	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.15	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.71	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	2500	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	220	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	2.89	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	0.83	B 0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	1500	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	10000	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.43	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	15	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	23	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	35	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.22	B 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	14	2.5	5.3	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	6.3	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	11	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	15	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	82	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	6.0	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	6.6	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 3:48 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 3:48 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 3:48 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 3:48 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-003

BTEX

Prep Date/Time: 04/12/07 3:48 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 3:48 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 3:48 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	64	6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.65	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	5.9	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	11	1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	5500	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.47	B 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.19	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	24	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	1100	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.23	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.71	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	2500	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	120	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	3.96	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	0.61	B 0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	1400	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	5600	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.48	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	18	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	10	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	40	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.20	B 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.24	B 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	6.1	2.4	5.1	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.6	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	13	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	18	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	58	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	5.6	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	3.4	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 4:13 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 4:13 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 4:13 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 4:13 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-004

BTEX

Prep Date/Time: 04/12/07 4:13 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 4:13 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 4:13 AM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	98	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	56	6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.60	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	4.4	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	12	1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	7700	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.40	B 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.10	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	33	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	500	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.47	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.88	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	3200	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	50	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	3.14	0.163	0.163	1	ng/L	X	04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	1.0	0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	1300	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	950	17	500	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.43	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	31	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	2.9	B 1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	33	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.22	B 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.23	B 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	7.5	2.4	5.2	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	4.7	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	9.7	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	31	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	52	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	7.6	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	2.4	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 4:39 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 4:39 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 4:39 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 4:39 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : EBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-005

BTEX

Prep Date/Time: 04/12/07 4:39 AM **Anl By:** SES

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		04/12/07 4:39 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		04/12/07 4:39 AM	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	98	6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.98	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	6.7	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	8.2	B 1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	4400	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.45	B 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.76	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.86	B 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	20	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	2400	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.18	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.63	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	2200	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	400	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	3.33	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	1.0	0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	1400	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	14000	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.43	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	11	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	25	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	37	B 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.19	B 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	8.9	2.5	5.4	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.0	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	12	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	11	1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	98	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	9.6	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	12	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 5:04 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 5:04 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 5:04 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 5:04 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-002

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-006

BTEX

Prep Date/Time: 04/12/07 5:04 AM **Anl By:** SES

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		04/12/07 5:04 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		04/12/07 5:04 AM	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

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Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	200	6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.81	B 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	7.7	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	6.6	B 1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	3300	13	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.64	B 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.31	B 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	0.69	B 0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	14	0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	1000	9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.64	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.45	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1400	4.6	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	120	0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	8.72	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	800	5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	2900	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.98	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	1.9	B 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	4.4	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	6.7	1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	72	11	53	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.19	B 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.57	0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	7.5	2.5	5.4	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	8.2	0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	36	2.9	8.0	4	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	26	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	4.4	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	92	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	8.8	0.95	4.0	1	mg/L		04/04/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/04/07		Anl By: DDY
Turbidity	2.4	0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 5:30 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 5:30 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 5:30 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 5:30 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : WBRS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-007

BTEX

Prep Date/Time: 04/12/07 5:30 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 5:30 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 5:30 AM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL						
a,a,a-Trifluorotoluene	98	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 1

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-008

BTEX

Prep Date/Time: 04/12/07 5:55 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 5:55 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 5:55 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 5:55 AM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 5:55 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 5:55 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Arsenic	0.13	U 0.13	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Barium	0.28	B 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Boron	220	1.2	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Calcium	13	U 13	500	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Chromium	0.32	U 0.32	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Cobalt	0.026	U 0.026	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Copper	1.1	0.59	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		04/06/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/04/07		Anl By: CCR
Iron	9.3	U 9.3	50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lead	0.14	B 0.049	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Lithium	0.14	0.016	0.053	1	ug/L		04/05/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	18	B 4.6	500	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Manganese	0.39	B 0.12	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Mercury - Low Level	0.163	U 0.163	0.163	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Potassium	350	B 5.7	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Sodium	3100	17	500	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Vanadium	0.42	B 0.10	1.0	1	ug/L		04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Zinc	0.98	U 0.98	10	1	ug/L	A	04/06/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/04/07		Anl By: CCR
Bicarbonate Alkalinity	2.2	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	1.1	U 1.1	5.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		04/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/04/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	1.3	0.036	0.10	1	mg/L	X	04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	8.2	2.4	5.2	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	0.51	U 0.51	4.0	1	mg/L		04/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	0.72	U 0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
Total Alkalinity	2.2	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	11	U 11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	0.25	U 0.25	1.1	1	mg/L		04/06/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/06/07		Anl By: DDY
Turbidity	0.50	B 0.44	1.0	1	NTU		04/04/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/04/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/12/07 6:21 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/12/07 6:21 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/12/07 6:21 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/12/07 6:21 AM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/12/07 6:21 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/12/07 6:21 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882218

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-001

Matrix Type : WATER
Collection Date : 04/02/07
Report Date : 05/29/07
Lab Sample Number : 882218-009

BTEX

Prep Date/Time: 04/12/07 6:21 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Surrogate		LCL	UCL						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/12/07	SW846 5030B	SW846 8021B

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: GAS
QC Batch Number: 19614
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2177-26MB	GG2177-26MB
LCS	GG2177-26MBLCS	GG2177-26MBLCS
LCSD	GG2177-26MBLCSD	GG2177-26MBLCSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
FBKS-001	882218-009	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
TRIP BLANK 1	882218-008	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Benzene	< 0.14	20.0	21.1	105		20.0	21	105		0.5		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	< 0.4	20.0	21.7	109		20.0	21.5	108		0.9		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Toluene	< 0.36	20.0	21.3	106		20.0	21.3	106		0.2		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	< 0.74	40.0	42.8	107		40.0	42.4	106		0.8		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
Xylene, o	< 0.36	20.0	21.1	105		20.0	20.9	105		0.7		85	115	20	---	---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene	99%	---	---	99		---	---	100		---		80	124	---	---	---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19614

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882218
Lab Section: METALS
QC Batch Number: 19461
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-57	MBWMTG2102-57
LCS	LCSWMTG2102-57	LCSWMTG2102-57
MS	WLDS-001SEMS	882218-001MS
MSD	WLDS-001SEMSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	< 6.3	10000	9872	98.7		---	---	---		---		75	125	20	882218-001	139.10	10000	9675	95.4		10000	9823	96.8		1.5		75	125	20
Antimony	< 0.24	200.0	206.5	103.2		---	---	---		---		75	125	20	882218-001	< 0.24	200.0	199.5	99.8		200.0	205.5	102.8		3.0		75	125	20
Arsenic	< 0.13	200.0	199.9	99.9		---	---	---		---		75	125	20	882218-001	1.050	200.0	194.9	96.9		200.0	200.4	99.7		2.8		75	125	20
Barium	< 0.12	200.0	198.7	99.3		---	---	---		---		75	125	20	882218-001	45.00	200.0	240.5	97.8		200.0	249.6	102.3		3.7		75	125	20
Beryllium	< 0.1	200.0	201.3	100.7		---	---	---		---		75	125	20	882218-001	< 0.1	200.0	184.3	92.2		200.0	190.5	95.2		3.3		75	125	20
Boron	< 1.2	200.0	202	101.0		---	---	---		---		75	125	20	882218-001	20.47	200.0	206.3	92.9		200.0	214.8	97.2		4.0		75	125	20
Cadmium	< 0.12	200.0	197.9	98.9		---	---	---		---		75	125	20	882218-001	< 0.12	200.0	189.1	94.6		200.0	193.6	96.8		2.4		75	125	20
Calcium	< 13	10000.0	10250	102.5		---	---	---		---		75	125	20	882218-001	14770.0	10000.0	24750	99.8		10000.0	25790	110.2		4.1		75	125	20
Chromium	< 0.32	200.0	196.7	98.3		---	---	---		---		75	125	20	882218-001	0.9500	200.0	184.9	92.0		200.0	190.7	94.9		3.1		75	125	20
Cobalt	< 0.026	200.0	191.5	95.8		---	---	---		---		75	125	20	882218-001	0.6400	200.0	178.7	89.0		200.0	184.6	92.0		3.2		75	125	20
Copper	< 0.59	200.0	191.1	95.6		---	---	---		---		75	125	20	882218-001	1.500	200.0	175	86.8		200.0	181.4	89.9		3.6		75	125	20
Iron	< 9.3	10000.0	10060	100.6		---	---	---		---		75	125	20	882218-001	8235.00	10000.0	17610	93.8		10000.0	18220	99.8		3.4		75	125	20
Lead	< 0.049	200.0	200.1	100.1		---	---	---		---		75	125	20	882218-001	1.750	200.0	198.9	98.6		200.0	204.4	101.3		2.7		75	125	20
Magnesium	J 4.6	10000.0	9919	99.2		---	---	---		---		75	125	20	882218-001	5838.00	10000.0	15480	96.4		10000.0	16030	101.9		3.5		75	125	20
Manganese	< 0.12	200.00	198.2	99.1		---	---	---		---		75	125	20	882218-001	1710.0	200.00	1924	107.0	+	200.00	1997	143.5	+	3.7		75	125	20
Molybdenum	< 0.61	200.0	197.7	98.8		---	---	---		---		75	125	20	882218-001	< 0.61	200.0	190.5	95.2		200.0	196.3	98.2		3.0		75	125	20
Nickel	< 0.32	200.0	192.2	96.1		---	---	---		---		75	125	20	882218-001	1.980	200.0	176.1	87.1		200.0	182.7	90.4		3.7		75	125	20
Potassium	< 5.7	10000.0	10090	100.9		---	---	---		---		75	125	20	882218-001	1553.00	10000.0	11160	96.1		10000.0	11530	99.8		3.3		75	125	20
Selenium	< 0.67	200.0	198.3	99.2		---	---	---		---		75	125	20	882218-001	< 0.67	200.0	189.8	94.9		200.0	196	98.0		3.2		75	125	20
Silver	< 0.034	100	96.6	96.7		---	---	---		---		75	125	20	882218-001	< 0.034	100	84.4	84.4		100	80.8	80.8		4.3		75	125	20
Sodium	< 17	10000.0	9753	97.5		---	---	---		---		75	125	20	882218-001	50440.0	10000.0	58540	81.0	+	10000.0	60290	98.5	+	2.9		75	125	20
Thallium	< 0.053	200.0	193.4	96.7		---	---	---		---		75	125	20	882218-001	< 0.053	200.0	191	95.5		200.0	196.9	98.4		3.0		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19461

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Vanadium	< 0.1	200.0	195.9	97.9		---	---	---		---		75	125	20	882218-001	0.7600	200.0	186.9	93.1		200.0	193	96.1		3.2		75	125	20
Zinc	< 0.98	200.0	196.1	98.1		---	---	---		---		75	125	20	882218-001	362.4	200.0	551.8	94.7		200.0	564.6	101.1		2.3		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19461

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: METALS-K
QC Batch Number: 19620
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG0966-087	MBWMTG0966-087
IPR	IPRWMTG0966-087	IPRWMTG0966-087
OPR	OPRWMTG0966-087	OPRWMTG0966-087
MS	882297-002MS	882297-002MS
MS	882296-002MS	882296-002MS
MSD	882297-002MSD	882297-002MSD
MSD	882296-002MSD	882296-002MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.187	0	---	---		---	---	---		---		---	---	---	882296-002	860.14	500.00	1336.6	95.3		500.00	1349.7	97.9		1.0		75	125	24
Mercury - Low Level	0.187	0	---	---		---	---	---		---		---	---	---	882297-002	186.8	200.0	375.8	94.5		200.0	384	98.6		2.1		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19620

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19437
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-078MB	WCG2138-078MB
LCS	WCG2138-078MBLCS	WCG2138-078MBLCS
MS	WLDS-001SEMS	882218-001MS
MSD	WLDS-001SEMSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	< 1.1	20.0	18.3	91.4		---	---	---		---		90	110	20	882218-001	17.0	20.0	36.2	95.8		20.0	36.8	98.8		1.6		90	110	20
Fluoride	< 0.059	2.0	1.9	97.0		---	---	---		---		90	110	20	882218-001	0.26	2.0	2.1	91.5		2.0	2.1	93.5		1.9		90	110	20
Nitrogen, Nitrate	< 0.085	1.6	1.5	94.4		---	---	---		---		90	110	20	882218-001	0.18	1.6	1.6	86.2	N	1.6	1.7	96.2		9.8		90	110	20
Nitrogen, Nitrite	< 0.036	0.80	0.75	93.8		---	---	---		---		90	110	20	882218-001	< 0.036	0.80	0.81	101.2		0.80	0.88	110.0		8.3		90	110	20
Sulfate	< 0.51	16.0	15.2	94.9		---	---	---		---		90	110	20	882218-001	4.11	16.0	18.3	88.7	N	16.0	19.7	97.7		7.6		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19437

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19442
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	WLDS-001SEDUP	882218-001DUP

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	882218-001	21.20	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19442

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19464
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-010MB	WCG2178-010MB
LCS	WCG2178-010MBLCS	WCG2178-010MBLCS
DUP	WBRS-001DUP	882218-007DUP
DUP	882156-003DUP	882156-003DUP

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	< 0.24	147.0	162	110.2		---	---	---		---		80	120	10	882156-003	6.600	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	< 0.24	147.0	162	110.2		---	---	---		---		80	120	10	882218-007	8.800	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19464

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19466
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-098MB	WCG1919-098MB
LCS	WCG1919-098MBLCS	WCG1919-098MBLCS
LCSD	WCG1919-098MBLCSD	WCG1919-098MBLCSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.5	42.4	40.8	96.2		42.4	42	99.1		2.9		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19466

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19469
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-032MB	WCG2135-032MB
LCS	WCG2135-032MBLCS	WCG2135-032MBLCS
MS	WBRS-001MS	882218-007MS
MS	882080-015MS	882080-015MS
MSD	WBRS-001MSD	882218-007MSD
MSD	882080-015MSD	882080-015MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	< 11	500.0	515.3	103.1		---	---	---		---		90	110	10	882218-007	72.33	250.0	331.3	103.6		250.0	326.8	101.8		1.4		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19469

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19531
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-014MB	WCG2178-014MB
LCS	WCG2178-014MBLCS	WCG2178-014MBLCS
DUP	882279-018DUP	882279-018DUP
DUP	882253-001DUP	882253-001DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-001	882218-009	MB

Client Sample ID	Lab Sample ID	MB ID

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.12	147.0	160	108.8		---	---	---		---		80	120	10	882253-001	5.400	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.12	147.0	160	108.8		---	---	---		---		80	120	10	882279-018	24.67	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19531

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19538
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-099MB	WCG1919-099MB
LCS	WCG1919-099MBLCS	WCG1919-099MBLCS
MS	WLDS-001SEMS	882218-001MS
MSD	WLDS-001SEMSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	J	2.2	77.40	79.2	102.3		---	---	---		---		80	120	20	882218-001		55.00	100.0	158.4	103.4		100.0	158.4	103.4		0.0		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	882218-001	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	77.40	79.2	102.3		---	---	---		---		80	120	20	882218-001		55.00	100.0	158.4	103.4		100.0	158.4	103.4		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19538

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19546
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-064MB	WCG2107-064MB
LCS	WCG2107-064MBLCS	WCG2107-064MBLCS
DUP	882323-002DUP	882323-002DUP
DUP	WLDS-001SEDUP	882218-001DUP

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	628.0	624	99.4		---	---	---		---		80	120	10	882218-001	110.0	---	---	---		---	---	---		---		---	---	---
Total Dissolved Solids	< 11	628.0	624	99.4		---	---	---		---		80	120	10	882323-002	530.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19546

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882218
Lab Section: WETCHEM
QC Batch Number: 19699
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-004MB	WCG2185-004MB
LCS	WCG2185-004MBLCS	WCG2185-004MBLCS
MS	882253-001MS	882253-001MS
MS	WBRS-003MS	882218-002MS
MSD	882253-001MSD	882253-001MSD
MSD	WBRS-003MSD	882218-002MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	< 0.5	10.0	10	99.7		---	---	---		---		90	110	20	882218-002	< 0.5	10.0	10.2	102.3		10.0	9.5	95.3		7.1		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	10	99.7		---	---	---		---		90	110	20	882253-001	1.90	10.0	11.6	96.6		10.0	11.4	95.4		1.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19699

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882218
Lab Section: WETCHEM-K
QC Batch Number: 19629
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-095MB	WCG2106-095MB
LCS	WCG2106-095MBLCS	WCG2106-095MBLCS
MS	882280-001MS	882280-001MS
MS	WLDS-001SEMS	882218-001MS
MSD	882280-001MSD	882280-001MSD
MSD	WLDS-001SEMSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB
FBKS-001	882218-009	MB

Test Name	Method Blank Result Conc		LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	105.2	105.2		---	---	---		---		80	120	20	882218-001		6.831	100.0	115.5	108.7		100.0	118.5	111.7		2.6		80	120	20
TOC as NPOC	<	0.72	100.0	105.2	105.2		---	---	---		---		80	120	20	882280-001		146.3	100.0	280.3	134.0	N	100.0	284	137.7	N	1.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19629

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882218
Lab Section: WETCHEM-K
QC Batch Number: 19661
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-096MB	WCG2106-096MB
LCS	WCG2106-096MBLCS	WCG2106-096MBLCS
MS	882295-004MS	882295-004MS
MS	WLDS-001SEMS	882218-001MS
MSD	882295-004MSD	882295-004MSD
MSD	WLDS-001SEMSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-001SE	882218-001	MB
DUP-001	882218-003	MB
EBRS-001	882218-005	MB
WBRS-001	882218-007	MB

Client Sample ID	Lab Sample ID	MB ID
WBRS-003	882218-002	MB
MBRS-001	882218-004	MB
WBRS-002	882218-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	106.5	106.5		---	---	---		---		80	120	20	882218-001	6.995	100.0	120.2	113.2		100.0	122.6	115.6		2.0		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	106.5	106.5		---	---	---		---		80	120	20	882295-004	15.79	100.0	126.8	111.0		100.0	126.7	110.9		0.1		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19661

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: GAS
QC Batch Number: 19614
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2177-26MB	GG2177-26MB
LCS	GG2177-26MBLCS	GG2177-26MBLCS
LCSD	GG2177-26MBLCSD	GG2177-26MBLCSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
TRIP BLANK 2	882295-005	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB
FBKS-002	882295-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	21.1	105		20.0	21	105		0.5		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	21.7	109		20.0	21.5	108		0.9		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	21.3	106		20.0	21.3	106		0.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	42.8	107		40.0	42.4	106		0.8		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	21.1	105		20.0	20.9	105		0.7		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		99%	---	---	99		---	---	100		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19614

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: METALS
QC Batch Number: 19534
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2102-60	MBWMTG2102-60
LCS	LCSWMTG2102-60	LCSWMTG2102-60
MS	MERS-001MS	882295-001MS
MSD	MERS-001MSD	882295-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Aluminum	<	6.3	10000.0	10280	102.8		---	---	---		---		75	125	20	882295-001		154.600	10000.0	10010	98.6		10000.0	10650	105.0		6.2		75	125	20
Antimony	<	0.24	200.0	203.3	101.7		---	---	---		---		75	125	20	882295-001	<	0.24	200.0	200.5	100.2		200.0	207.8	103.9		3.6		75	125	20
Arsenic	<	0.13	200.0	203.5	101.8		---	---	---		---		75	125	20	882295-001		0.7500	200.0	198.1	98.7		200.0	200.9	100.1		1.4		75	125	20
Barium	J	0.22	200.0	195.3	97.7		---	---	---		---		75	125	20	882295-001		6.850	200.0	202.5	97.8		200.0	208.6	100.9		3.0		75	125	20
Beryllium	<	0.1	200.0	196.2	98.1		---	---	---		---		75	125	20	882295-001		0.1700	200.0	191.8	95.8		200.0	195.8	97.8		2.1		75	125	20
Boron	<	1.2	200.0	197.2	98.6		---	---	---		---		75	125	20	882295-001		6.950	200.0	196.2	94.6		200.0	204.1	98.6		3.9		75	125	20
Cadmium	<	0.12	200.0	198.4	99.2		---	---	---		---		75	125	20	882295-001		0.2200	200.0	194.3	97.0		200.0	201.2	100.5		3.5		75	125	20
Calcium	J	72	10000.0	10140	101.4		---	---	---		---		75	125	20	882295-001		3601.00	10000.0	13360	97.6		10000.0	13710	101.1		2.6		75	125	20
Chromium	<	0.32	200.0	207.3	103.7		---	---	---		---		75	125	20	882295-001		0.9700	200.0	202	100.5		200.0	206.9	103.0		2.4		75	125	20
Cobalt	<	0.026	200.0	193.7	96.8		---	---	---		---		75	125	20	882295-001		0.3000	200.0	186	92.8		200.0	195	97.3		4.7		75	125	20
Copper	<	0.59	200.0	195.8	97.9		---	---	---		---		75	125	20	882295-001		1.100	200.0	190	94.4		200.0	196	97.4		3.1		75	125	20
Iron	<	9.3	10000.0	9888	98.9		---	---	---		---		75	125	20	882295-001		447.800	10000.0	10460	100.1		10000.0	10480	100.3		0.2		75	125	20
Lead	<	0.049	200.0	199.4	99.7		---	---	---		---		75	125	20	882295-001		0.3800	200.0	200.3	100		200.0	204.2	101.9		1.9		75	125	20
Magnesium	J	33	10000.0	10090	100.9		---	---	---		---		75	125	20	882295-001		1086.00	10000.0	10890	98.0		10000.0	11240	101.5		3.2		75	125	20
Manganese	J	0.14	200.0	196.4	98.2		---	---	---		---		75	125	20	882295-001		36.30	200.0	223.7	93.7		200.0	232.9	98.3		4.0		75	125	20
Molybdenum	<	0.61	200.0	198.7	99.3		---	---	---		---		75	125	20	882295-001	<	0.61	200.0	196.3	98.2		200.0	202.4	101.2		3.1		75	125	20
Nickel	<	0.32	200.0	195.7	97.8		---	---	---		---		75	125	20	882295-001		0.8100	200.0	190.2	94.7		200.0	198.8	99.0		4.4		75	125	20
Potassium	J	14	10000.0	10480	104.8		---	---	---		---		75	125	20	882295-001		607.500	10000.0	10650	100.4		10000.0	11010	104.0		3.3		75	125	20
Selenium	<	0.67	200.0	199.5	99.8		---	---	---		---		75	125	20	882295-001	<	0.67	200.0	192.2	96.1		200.0	195.4	97.7		1.7		75	125	20
Silver	<	0.034	100	97.8	97.8		---	---	---		---		75	125	20	882295-001		0.0600	100	95.9	95.9		100	99.2	99.2		3.4		75	125	20
Sodium	J	220	10000.0	10130	101.3		---	---	---		---		75	125	20	882295-001		976.400	10000.0	10660	96.8		10000.0	10960	99.8		2.8		75	125	20
Thallium	<	0.053	200.0	193.5	96.8		---	---	---		---		75	125	20	882295-001		0.1300	200.0	194.7	97.3		200.0	200	99.9		2.7		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19534

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.1	200.0	204.1	102.1		---	---	---		---		75	125	20	882295-001		0.7500	200.0	197.8	98.5		200.0	203	101.1		2.6		75	125	20
Zinc	J	5.9	200.0	200.2	100.1		---	---	---		---		75	125	20	882295-001		9.270	200.0	196.6	93.7		200.0	200.1	95.4		1.8		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19534

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: METALS-K
QC Batch Number: 19620
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG0966-087	MBWMTG0966-087
IPR	IPRWMTG0966-087	IPRWMTG0966-087
OPR	OPRWMTG0966-087	OPRWMTG0966-087
MS	882297-002MS	882297-002MS
MS	882296-002MS	882296-002MS
MSD	882297-002MSD	882297-002MSD
MSD	882296-002MSD	882296-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.187	0	---	---		---	---	---		---		---	---	---	882296-002	860.14	500.00	1336.6	95.3		500.00	1349.7	97.9		1.0		75	125	24
Mercury - Low Level	0.187	0	---	---		---	---	---		---		---	---	---	882297-002	186.8	200.0	375.8	94.5		200.0	384	98.6		2.1		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19620

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19462
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2138-081MB	WCG2138-081MB
LCS	WCG2138-081MBLCS	WCG2138-081MBLCS
MS	MERS-001MS	882295-001MS
MSD	MERS-001MSD	882295-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Chloride	< 1.1	20.0	18.7	93.4		---	---	---		---		90	110	20	882295-001	3.15	20.0	20	84.2	N	20.0	20.2	85.1	N	0.9		90	110	20
Fluoride	< 0.059	2.0	2	98.0		---	---	---		---		90	110	20	882295-001	< 0.059	2.0	2	100.0		2.0	2	100.5		0.5		90	110	20
Nitrogen, Nitrate	< 0.085	1.6	1.5	95.0		---	---	---		---		90	110	20	882295-001	0.28	1.6	1.7	88.1	N	1.6	1.7	88.1	N	0.0		90	110	20
Nitrogen, Nitrite	< 0.036	0.80	0.77	96.2		---	---	---		---		90	110	20	882295-001	< 0.036	0.80	0.77	96.2		0.80	0.78	97.5		1.3		90	110	20
Sulfate	< 0.51	16.0	15.3	95.8		---	---	---		---		90	110	20	882295-001	5.33	16.0	20	91.4		16.0	19.7	89.8		1.3		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19462

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19466
Prep Method: EPA 376.1
Analytical Method: EPA 376.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-098MB	WCG1919-098MB
LCS	WCG1919-098MBLCS	WCG1919-098MBLCS
LCSD	WCG1919-098MBLCSD	WCG1919-098MBLCSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.5	42.4	40.8	96.2		42.4	42	99.1		2.9		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19466

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19476
Prep Method: EPA 180.1
Analytical Method: EPA 180.1

QC Type	Client Sample ID	Lab Sample ID
DUP	MERS-001DUP	882295-001DUP

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	882295-001	1.530	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19476

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19538
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1919-099MB	WCG1919-099MB
LCS	WCG1919-099MBLCS	WCG1919-099MBLCS
MS	882218-001MS	882218-001MS
MSD	882218-001MSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	J	2.2	77.40	79.2	102.3		---	---	---		---		80	120	20	882218-001		55.00	100.0	158.4	103.4		100.0	158.4	103.4		0.0		80	120	20
Carbonate Alkalinity	<	1.7	0	---	---		---	---	---		---		---	---	---	882218-001	<	1.7	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	J	2.2	77.40	79.2	102.3		---	---	---		---		80	120	20	882218-001		55.00	100.0	158.4	103.4		100.0	158.4	103.4		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19538

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19546
Prep Method: EPA 160.1
Analytical Method: EPA 160.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-064MB	WCG2107-064MB
LCS	WCG2107-064MBLCS	WCG2107-064MBLCS
DUP	882323-002DUP	882323-002DUP
DUP	882218-001DUP	882218-001DUP

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 11	628.0	624	99.4		---	---	---		---		80	120	10	882218-001	110.0	---	---	---		---	---	---		---		---	---	---
Total Dissolved Solids	< 11	628.0	624	99.4		---	---	---		---		80	120	10	882323-002	530.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19546

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19570
Prep Method: EPA 160.2
Analytical Method: EPA 160.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-016MB	WCG2178-016MB
LCS	WCG2178-016MBLCS	WCG2178-016MBLCS
DUP	882401-002DUP	882401-002DUP
DUP	882364-006DUP	882364-006DUP

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc		LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.12	195.0	192	98.5		---	---	---		---		80	120	10	882364-006		26.67	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.12	195.0	192	98.5		---	---	---		---		80	120	10	882401-002		13.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19570

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19593
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-034MB	WCG2135-034MB
LCS	WCG2135-034MBLCS	WCG2135-034MBLCS
MS	882323-012MS	882323-012MS
MS	882323-002MS	882323-002MS
MSD	882323-012MSD	882323-012MSD
MSD	882323-002MSD	882323-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
COD	<	11	500.0	499.5	99.9		---	---	---		---		90	110	10	882323-002	13.28	263.2	294.4	106.8		263.2	292	105.9		0.8		90	110	10
COD	<	11	500.0	499.5	99.9		---	---	---		---		90	110	10	882323-012	51.07	263.2	322.7	103.2		263.2	322.7	103.2		0.0		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19593

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19699
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-004MB	WCG2185-004MB
LCS	WCG2185-004MBLCS	WCG2185-004MBLCS
MS	882253-001MS	882253-001MS
MS	882218-002MS	882218-002MS
MSD	882253-001MSD	882253-001MSD
MSD	882218-002MSD	882218-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Nitrogen, Ammonia	< 0.5	10.0	10	99.7		---	---	---		---		90	110	20	882218-002	< 0.5	10.0	10.2	102.3		10.0	9.5	95.3		7.1		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	10	99.7		---	---	---		---		90	110	20	882253-001	1.90	10.0	11.6	96.6		10.0	11.4	95.4		1.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19699

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM
QC Batch Number: 19700
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-005MB	WCG2185-005MB
LCS	WCG2185-005MBLCS	WCG2185-005MBLCS
MS	882470-001MS	882470-001MS
MS	882360-001MS	882360-001MS
MSD	882470-001MSD	882470-001MSD
MSD	882360-001MSD	882360-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-003	882295-003	MB
FBKS-002	882295-006	MB

Client Sample ID	Lab Sample ID	MB ID
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	< 0.5	10.0	10.2	102.3		---	---	---		---		90	110	20	882360-001	1.14	10.0	10.9	97.8		10.0	10.6	94.2		3.4		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	10.2	102.3		---	---	---		---		90	110	20	882470-001	< 0.5	10.0	10.1	101.4		10.0	9.6	95.9		5.6		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19700

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM-K
QC Batch Number: 19629
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-095MB	WCG2106-095MB
LCS	WCG2106-095MBLCS	WCG2106-095MBLCS
MS	882280-001MS	882280-001MS
MS	882218-001MS	882218-001MS
MSD	882280-001MSD	882280-001MSD
MSD	882218-001MSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB

Client Sample ID	Lab Sample ID	MB ID
FBKS-002	882295-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	0.72	100.0	105.2	105.2		---	---	---		---		80	120	20	882218-001	6.831	100.0	115.5	108.7		100.0	118.5	111.7		2.6		80	120	20
TOC as NPOC	<	0.72	100.0	105.2	105.2		---	---	---		---		80	120	20	882280-001	146.3	100.0	280.3	134.0	N	100.0	284	137.7	N	1.3		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19629

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM-K
QC Batch Number: 19661
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-096MB	WCG2106-096MB
LCS	WCG2106-096MBLCS	WCG2106-096MBLCS
MS	DUP-002MS	882295-004MS
MS	882218-001MS	882218-001MS
MSD	DUP-002MSD	882295-004MSD
MSD	882218-001MSD	882218-001MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-001	882295-001	MB
MERS-003	882295-003	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Test Name	Method Blank Result Conc		LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	0.72	100.0	106.5	106.5		---	---	---		---		80	120	20	882218-001	6.995	100.0	120.2	113.2		100.0	122.6	115.6		2.0		80	120	20
TOC as NPOC - Dissolved	<	0.72	100.0	106.5	106.5		---	---	---		---		80	120	20	882295-004	15.79	100.0	126.8	111.0		100.0	126.7	110.9		0.1		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19661

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920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 882295
Lab Section: WETCHEM-K
QC Batch Number: 19730
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2106-098MB	WCG2106-098MB
LCS	WCG2106-098MBLCS	WCG2106-098MBLCS
MS	882391-002MS	882391-002MS
MS	MERS-002MS	882295-002MS
MSD	882391-002MSD	882391-002MSD
MSD	MERS-002MSD	882295-002MSD

Client Sample ID	Lab Sample ID	MB ID
MERS-002	882295-002	MB
DUP-002	882295-004	MB

Client Sample ID	Lab Sample ID	MB ID
MERS-003	882295-003	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 0.72	100.0	107.1	107.1		---	---	---		---		80	120	20	882295-002	15.77	100.0	125.7	109.9		100.0	128.1	112.3		1.9		80	120	20
TOC as NPOC	< 0.72	100.0	107.1	107.1		---	---	---		---		80	120	20	882391-002	30.24	100.0	139.5	109.3		100.0	142.9	112.6		2.4		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 19730

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	150	6.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Arsenic	0.75	B 0.13	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Barium	6.8	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Beryllium	0.17	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Boron	7.0	B 1.2	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cadmium	0.22	B 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Calcium	3600	13	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Chromium	0.97	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cobalt	0.30	B 0.026	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Copper	1.1	0.59	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Hardness	13	0.15	2.0	1	mg/L		04/09/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/06/07		Anl By: CCR
Iron	450	9.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lead	0.38	B 0.049	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lithium	0.35	0.016	0.053	1	ug/L	N	04/06/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1100	4.6	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Manganese	36	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Mercury - Low Level	6.09	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Nickel	0.81	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Potassium	610	5.7	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Silver	0.060	B 0.034	0.50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Sodium	980	17	500	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.13	B 0.053	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Vanadium	0.75	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Zinc	9.3	B 0.98	10	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Bicarbonate Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.2	B 1.1	5.0	1	mg/L	N	04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	37	B 11	50	1	mg/L		04/09/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/09/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.28	B 0.085	0.40	1	mg/L	N	04/05/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	10	2.4	5.2	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.3	0.51	4.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	16	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
TOC as NPOC - Dissolved	16	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	48	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	1.8	B 0.59	2.5	1	mg/L		04/09/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/09/07		Anl By: DDY
Turbidity	1.5	0.44	1.0	1	NTU	*	04/05/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/05/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/11/07 4:52 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/11/07 4:52 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/11/07 4:52 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/11/07 4:52 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-001

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-001

BTEX

Prep Date/Time: 04/11/07 4:52 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/11/07 4:52 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/11/07 4:52 AM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	99	80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

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Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	160	6.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Arsenic	0.77	B 0.13	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Barium	7.4	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Boron	6.0	B 1.2	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Calcium	4000	13	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Chromium	0.84	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cobalt	0.20	B 0.026	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Copper	1.1	0.59	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Hardness	15	0.15	2.0	1	mg/L		04/09/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/06/07		Anl By: CCR
Iron	530	9.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lead	0.24	B 0.049	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lithium	0.36	0.016	0.053	1	ug/L		04/06/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1200	4.6	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Manganese	43	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Mercury - Low Level	6.09	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Nickel	1.1	0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Potassium	690	5.7	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Sodium	1600	17	500	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Vanadium	0.65	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Zinc	9.4	B 0.98	10	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Bicarbonate Alkalinity	8.8	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.8	B 1.1	5.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	35	B 11	50	1	mg/L		04/09/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/09/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.30	B 0.085	0.40	1	mg/L	H	04/06/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	6.8	2.6	5.6	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.7	0.51	4.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	16	0.72	2.0	1	mg/L		04/13/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
TOC as NPOC - Dissolved	16	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	8.8	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	48	11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	1.8	B 0.59	2.5	1	mg/L		04/09/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/09/07		Anl By: DDY
Turbidity	2.3	0.44	1.0	1	NTU		04/05/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/05/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/11/07 5:18 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/11/07 5:18 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/11/07 5:18 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/11/07 5:18 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-002

BTEX

Prep Date/Time: 04/11/07 5:18 AM **Anl By:** SES

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		04/11/07 5:18 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		04/11/07 5:18 AM	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99		80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

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1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	140	6.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Arsenic	0.57	B 0.13	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Barium	7.1	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Boron	5.7	B 1.2	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Calcium	3900	13	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Chromium	0.55	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cobalt	0.17	B 0.026	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Copper	0.98	B 0.59	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Hardness	15	0.15	2.0	1	mg/L		04/09/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/06/07		Anl By: CCR
Iron	490	9.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lead	0.11	B 0.049	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lithium	0.37	0.016	0.053	1	ug/L		04/06/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1200	4.6	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Manganese	41	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Mercury - Low Level	5.79	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Nickel	1.0	0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Potassium	680	5.7	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Sodium	1700	17	500	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Vanadium	0.61	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Zinc	9.3	B 0.98	10	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Bicarbonate Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	4.0	B 1.1	5.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	42	B 11	50	1	mg/L		04/09/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/09/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.30	B 0.085	0.40	1	mg/L	H	04/05/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	6.4	2.3	5.1	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.9	0.51	4.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	14	0.72	2.0	1	mg/L		04/13/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
TOC as NPOC - Dissolved	16	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	11	U 11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	1.7	B 0.59	2.5	1	mg/L		04/09/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/09/07		Anl By: DDY
Turbidity	2.1	0.44	1.0	1	NTU		04/05/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/05/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/11/07 5:44 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/11/07 5:44 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/11/07 5:44 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/11/07 5:44 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : MERS-003

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-003

BTEX

Prep Date/Time: 04/11/07 5:44 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/11/07 5:44 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/11/07 5:44 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	140	6.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Arsenic	0.55	B 0.13	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Barium	6.8	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Boron	5.4	B 1.2	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Calcium	3800	13	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Chromium	0.53	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cobalt	0.14	B 0.026	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Copper	1.0	0.59	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Hardness	14	0.15	2.0	1	mg/L		04/09/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/06/07		Anl By: CCR
Iron	460	9.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lead	0.12	B 0.049	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lithium	0.36	0.016	0.053	1	ug/L		04/06/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1200	4.6	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Manganese	39	0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Mercury - Low Level	5.86	0.163	0.500	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Nickel	0.64	B 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Potassium	650	5.7	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Sodium	1500	17	500	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Vanadium	0.57	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Zinc	8.3	B 0.98	10	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Bicarbonate Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.8	B 1.1	5.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	42	B 11	50	1	mg/L		04/09/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/09/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.29	B 0.085	0.40	1	mg/L		04/05/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	2.4	U 2.4	5.2	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	5.6	0.51	4.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	17	0.72	2.0	1	mg/L		04/13/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
TOC as NPOC - Dissolved	16	0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: DDY
Total Alkalinity	6.6	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	16	B 11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	3.0	0.48	2.0	1	mg/L		04/09/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/09/07		Anl By: DDY
Turbidity	1.8	0.44	1.0	1	NTU		04/05/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/05/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/11/07 6:09 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/11/07 6:09 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/11/07 6:09 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/11/07 6:09 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-004

BTEX

Prep Date/Time: 04/11/07 6:09 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/11/07 6:09 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/11/07 6:09 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : TRIP BLANK 2

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-005

BTEX

Prep Date/Time: 04/11/07 6:47 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		04/11/07 6:47 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		04/11/07 6:47 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		04/11/07 6:47 AM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		04/11/07 6:47 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		04/11/07 6:47 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

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Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Arsenic	0.13	U 0.13	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Barium	0.36	B 0.12	1.0	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Boron	190	1.2	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Calcium	13	U 13	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Chromium	0.32	U 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Cobalt	0.026	U 0.026	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Copper	1.4	0.59	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		04/09/07	SW846 3020A	6020/2340B
							Prep Date/Time: 04/06/07		Anl By: CCR
Iron	9.3	U 9.3	50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lead	0.070	B 0.049	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Lithium	0.14	0.016	0.053	1	ug/L		04/06/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	4.6	U 4.6	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Manganese	0.12	U 0.12	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Mercury - Low Level	0.163	U 0.163	0.163	1	ng/L		04/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 04/05/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Potassium	5.7	U 5.7	500	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Sodium	1800	17	500	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Vanadium	0.20	B 0.10	1.0	1	ug/L		04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Zinc	6.9	B 0.98	10	1	ug/L	A	04/09/07	SW846 3020A	SW846 6020
							Prep Date/Time: 04/06/07		Anl By: CCR
Bicarbonate Alkalinity	2.2	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	1.7	U 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.2	B 1.1	5.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		04/09/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 04/09/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		04/13/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 04/13/07		Anl By:
Nitrogen, Nitrate	0.20	B 0.085	0.40	1	mg/L	H	04/05/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	5.8	2.4	5.2	1	mg/L		04/10/07	EPA 1664 OG	EPA 1664 OG
							Prep Date/Time:		Anl By: *PA
Sulfate	1.8	B 0.51	4.0	1	mg/L		04/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.5	U 2.5	5.0	1	mg/L		04/04/07	EPA 376.1	EPA 376.1
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	0.72	U 0.72	2.0	1	mg/L		04/11/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 04/11/07		Anl By: GM
Total Alkalinity	2.2	B 1.7	10	1	mg/L		04/06/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	11	U 11	20	1	mg/L		04/07/07	EPA 160.1	EPA 160.1
							Prep Date/Time: 04/07/07		Anl By: DDY
Total Suspended Solids	0.26	U 0.26	1.1	1	mg/L		04/09/07	EPA 160.2	EPA 160.2
							Prep Date/Time: 04/09/07		Anl By: DDY
Turbidity	0.44	U 0.44	1.0	1	NTU		04/05/07	EPA 180.1	EPA 180.1
							Prep Date/Time: 04/05/07		Anl By: GM
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 04/11/07 4:27 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L	W	04/11/07 4:27 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L	W	04/11/07 4:27 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L	W	04/11/07 4:27 AM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L	W	04/11/07 4:27 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L	W	04/11/07 4:27 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 882295

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBKS-002

Matrix Type : WATER
Collection Date : 04/03/07
Report Date : 05/29/07
Lab Sample Number : 882295-006

BTEX

Prep Date/Time: 04/11/07 4:27 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	99	80	124	1	%		04/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.25	B 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.25	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	0.25	B 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.16	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	160	1.2	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.16	B 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	13	U 13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.15	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	2.7	0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	9.3	U 9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.29	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.050	U 0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	6.8	B 4.6	500	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	0.51	B 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	0.452	0.163	0.163	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: msb
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	6.4	B 5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.090	B 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	950	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.14	B 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.28	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	8.0	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.3	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
COD	13	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.5	U 2.5	5.4	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	0.51	U 0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.4	U 1.4	2.0	1	mg/L		05/09/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
Total Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	12	U 12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	0.32	U 0.32	1.1	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	0.44	U 0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/08/07 9:26 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/08/07 9:26 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/08/07 9:26 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/08/07 9:26 PM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/08/07 9:26 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/08/07 9:26 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-001

BTEX

Prep Date/Time: 05/08/07 9:26 PM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Surrogate		LCL	UCL						
a,a,a-Trifluorotoluene	99	80	124	1	%		05/08/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

Analytical Report Number: 883288

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	14	B 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.58	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	3.6	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	7.1	B 1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	7900	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.62	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.10	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.84	B 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	33	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	540	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.13	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.98	0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	3300	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	170	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	0.990	0.163	0.500	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: msb
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	1.8	0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	1200	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	980	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.35	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	3.4	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	31	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.0	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	22	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.22	B 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.5	U 2.5	5.3	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.0	0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	6.6	1.4	2.0	1	mg/L		05/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/07/07		Anl By: GM
TOC as NPOC - Dissolved	6.1	1.4	2.0	1	mg/L	9	05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	31	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	46	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	1.8	B 0.61	2.0	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	2.5	0.44	1.0	1	NTU		05/02/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/08/07 9:51 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/08/07 9:51 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/08/07 9:51 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/08/07 9:51 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-002

BTEX

Prep Date/Time: 05/08/07 9:51 PM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/08/07 9:51 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/08/07 9:51 PM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	99	80	124	1	%		05/08/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	15	B 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.56	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	3.5	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	8.5	B 1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	7700	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.33	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.10	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.89	B 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	32	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	480	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.15	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	1.0	0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	3200	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	160	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.09	0.163	0.500	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: msb
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	1.5	0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	1100	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	950	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.31	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.8	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	33	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.0	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	24	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.21	B 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.5	U 2.5	5.5	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.0	0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	5.7	1.4	2.0	1	mg/L		05/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/07/07		Anl By: GM
TOC as NPOC - Dissolved	5.7	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	33	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	52	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	1.6	B 0.61	2.0	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	2.0	0.44	1.0	1	NTU		05/02/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/08/07 10:17 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/08/07 10:17 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/08/07 10:17 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/08/07 10:17 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : LKLS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-003

BTEX

Prep Date/Time: 05/08/07 10:17 PM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/08/07 10:17 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/08/07 10:17 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	100	80	124	1	%		05/08/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	14	B 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.42	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	2.7	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	10	1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	7000	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.060	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	1.3	0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	35	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	260	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.14	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	2.4	0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	4300	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	7.0	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	2.07	0.163	0.500	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: MSB
Molybdenum	0.63	B 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.96	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	1800	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	190	B 17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.33	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	3.3	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	29	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	2.8	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	17	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.20	B 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.4	U 2.4	5.2	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	7.0	0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	4.6	1.4	2.0	1	mg/L		05/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/07/07		Anl By: GM
TOC as NPOC - Dissolved	4.4	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	29	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	46	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	1.8	B 0.61	2.0	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	2.6	0.44	1.0	1	NTU		05/02/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 9:24 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 9:24 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 9:24 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 9:24 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-001E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-004

BTEX

Prep Date/Time: 05/11/07 9:24 PM **Anl By:** SES

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		05/11/07 9:24 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		05/11/07 9:24 PM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL						
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	1.0	0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	5.8	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	19	1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	11000	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.54	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.070	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	48	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	910	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.049	U 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	2.8	0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	5000	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	66	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.20	0.163	0.500	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: msb
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	1.4	0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	2200	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	1400	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.23	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	3.2	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	51	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.2	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	22	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.30	B 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.4	U 2.4	5.2	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.2	0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	6.3	1.4	2.0	1	mg/L		05/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/07/07		Anl By: GM
TOC as NPOC - Dissolved	6.8	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	51	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	50	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	3.6	0.61	2.0	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	5.3	0.44	1.0	1	NTU		05/02/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 9:50 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 9:50 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 9:50 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 9:50 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HTPS-002E

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-005

BTEX

Prep Date/Time: 05/11/07 9:50 PM **Anl By:** SES

Analyte	Result		MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U	0.74	2.0	1	ug/L		05/11/07 9:50 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U	0.36	1.0	1	ug/L		05/11/07 9:50 PM	SW846 5030B	SW846 8021B
Surrogate			**LCL**	**UCL**						
a,a,a-Trifluorotoluene	97		80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	7.0	B 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	1.0	0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	5.9	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	19	1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	11000	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.45	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.050	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	48	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	910	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.31	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	2.8	0.050	0.10	1	ug/L		05/04/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	5000	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	66	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.23	0.163	0.500	1	ng/L		05/09/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/04/07		Anl By: msb
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	1.3	0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	2300	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	1500	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.24	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.4	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	48	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.2	B 1.1	5.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	22	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.29	B 0.059	0.50	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/08/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/08/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.3	U 2.3	5.1	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.2	0.51	4.0	1	mg/L		05/02/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	5.4	1.4	2.0	1	mg/L		05/09/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
TOC as NPOC - Dissolved	6.0	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	48	3.2	10	1	mg/L		05/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	52	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	3.8	0.61	2.0	1	mg/L		05/05/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/05/07		Anl By: DDY
Turbidity	5.3	0.44	1.0	1	NTU		05/02/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 10:15 PM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 10:15 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 10:15 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 10:15 PM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-003

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-006

BTEX

Prep Date/Time: 05/11/07 10:15 PM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 10:15 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 10:15 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883288

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : TRIP BLANK

Matrix Type : WATER
Collection Date : 05/01/07
Report Date : 05/29/07
Lab Sample Number : 883288-007

BTEX

Prep Date/Time: 05/11/07 10:41 PM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 10:41 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 10:41 PM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 10:41 PM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 10:41 PM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 10:41 PM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: GAS
QC Batch Number: 20466
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2177-77MB	GG2177-77MB
LCS	GG2177-77MBLCS	GG2177-77MBLCS
LCSD	GG2177-77MBLCSD	GG2177-77MBLCSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<		0.14	20.0	22.5	112		20.0	22.2	111		1.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<		0.4	20.0	22.1	110		20.0	20.3	101		8.6		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<		0.36	20.0	22.4	112		20.0	21.2	106		5.4		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<		0.74	40.0	43.9	110		40.0	40.2	101		8.8		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<		0.36	20.0	21.7	108		20.0	20	100		7.7		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene			99%	---	---	100		---	---	100		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20466

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: GAS
QC Batch Number: 20467
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2177-78MB	GG2177-78MB
LCS	GG2177-78MBLCS	GG2177-78MBLCS
LCSD	GG2177-78MBLCSD	GG2177-78MBLCSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	883288-005	MB
TRIP BLANK	883288-007	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Benzene	<	0.14	20.0	21.2	106		20.0	21.3	107		0.5		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	20.6	103		20.0	20.3	102		1.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	21	105		20.0	20.8	104		0.5		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	40.7	102		40.0	40.2	101		1.0		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	20.1	101		20.0	19.9	99		1.3		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		98%	---	---	98		---	---	97		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20467

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: METALS
QC Batch Number: 20441
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2202-01	MBWMTG2202-01
LCS	LCSWMTG2202-01	LCSWMTG2202-01
MS	LKLS-001EMS	883288-002MS
MSD	LKLS-001EMSD	883288-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	< 6.3	10000.0	10400	104.0		---	---	---		---		75	125	20	883288-002	13.8800	10000.0	10210	102.0		10000.0	10330	103.2		1.2		75	125	20
Antimony	< 0.24	200.0	214.5	107.2		---	---	---		---		75	125	20	883288-002	< 0.24	200.0	206.8	103.4		200.0	209	104.5		1.1		75	125	20
Arsenic	< 0.13	200.0	209	104.5		---	---	---		---		75	125	20	883288-002	0.5800	200.0	204.4	101.9		200.0	206.3	102.9		0.9		75	125	20
Barium	< 0.12	200.0	206.1	103.1		---	---	---		---		75	125	20	883288-002	3.620	200.0	202.9	99.6		200.0	205	100.7		1.0		75	125	20
Beryllium	< 0.1	200.0	208.1	104.1		---	---	---		---		75	125	20	883288-002	< 0.1	200.0	200.5	100.2		200.0	200.4	100.2		0.0		75	125	20
Boron	< 1.2	200.0	196.9	98.4		---	---	---		---		75	125	20	883288-002	7.070	200.0	207.4	100.2		200.0	208.6	100.8		0.6		75	125	20
Cadmium	< 0.12	200.0	208.9	104.4		---	---	---		---		75	125	20	883288-002	< 0.12	200.0	201	100.5		200.0	203.1	101.6		1.0		75	125	20
Calcium	< 13	10000.0	10530	105.3		---	---	---		---		75	125	20	883288-002	7690.00	10000.0	17860	99.7		10000.0	17820	99.3		0.2		75	125	20
Chromium	< 0.32	200.0	210.4	105.2		---	---	---		---		75	125	20	883288-002	0.6200	200.0	199.2	99.3		200.0	203.9	101.6		2.3		75	125	20
Cobalt	< 0.026	200.0	205.2	102.6		---	---	---		---		75	125	20	883288-002	0.1000	200.0	195.7	97.8		200.0	197.8	98.8		1.1		75	125	20
Copper	< 0.59	200.0	212.1	106.1		---	---	---		---		75	125	20	883288-002	0.8400	200.0	200.3	99.7		200.0	198.5	98.8		0.9		75	125	20
Iron	< 9.3	10000.0	10720	107.2		---	---	---		---		75	125	20	883288-002	543.700	10000.0	10780	102.4		10000.0	10690	101.5		0.8		75	125	20
Lead	< 0.049	200.0	209	104.5		---	---	---		---		75	125	20	883288-002	0.1300	200.0	203.8	101.8		200.0	206.5	103.2		1.3		75	125	20
Magnesium	J 4.7	10000.0	10730	107.3		---	---	---		---		75	125	20	883288-002	3273.00	10000.0	13620	103.5		10000.0	13730	104.6		0.8		75	125	20
Manganese	< 0.12	200.0	212.7	106.3		---	---	---		---		75	125	20	883288-002	173.0	200.0	353.8	90.4		200.0	370.3	98.7		4.6		75	125	20
Molybdenum	< 0.61	200.0	209.6	104.8		---	---	---		---		75	125	20	883288-002	< 0.61	200.0	205.6	102.8		200.0	208	104.0		1.2		75	125	20
Nickel	< 0.32	200.0	209.8	104.9		---	---	---		---		75	125	20	883288-002	1.780	200.0	200.6	99.4		200.0	199.1	98.7		0.8		75	125	20
Potassium	< 5.7	10000.0	10600	106.0		---	---	---		---		75	125	20	883288-002	1153.00	10000.0	11310	101.6		10000.0	11640	104.9		2.9		75	125	20
Selenium	< 0.67	200.0	203.1	101.6		---	---	---		---		75	125	20	883288-002	< 0.67	200.0	197.7	98.8		200.0	199.5	99.8		0.9		75	125	20
Silver	< 0.034	100.0	104.6	104.6		---	---	---		---		75	125	20	883288-002	< 0.034	100.0	100.8	100.8		100.0	101.7	101.7		0.9		75	125	20
Sodium	< 17	10000.0	10460	104.6		---	---	---		---		75	125	20	883288-002	976.100	10000.0	11290	103.1		10000.0	11350	103.7		0.5		75	125	20
Thallium	< 0.053	200.0	202.8	101.4		---	---	---		---		75	125	20	883288-002	< 0.053	200.0	198.9	99.4		200.0	200.8	100.4		1.0		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20441

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Vanadium	<	0.1	200.0	210.2	105.1		---	---	---		---		75	125	20	883288-002	0.3500	200.0	199.1	99.4		200.0	204	101.8		2.4		75	125	20
Zinc	J	2.2	200.0	203.9	101.9		---	---	---		---		75	125	20	883288-002	3.390	200.0	197.3	97.0		200.0	198	97.3		0.4		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20441

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: METALS
QC Batch Number: 20562
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTK0966-096	MBWMTK0966-096
IPR	IPRWMTK0966-096	IPRWMTK0966-096
OPR	OPRWMTK0966-096	OPRWMTK0966-096
MS	883368-001MS	883368-001MS
MS	883306-002MS	883306-002MS
MS	HTPS-001EMS	883288-004MS
MSD	883368-001MSD	883368-001MSD
MSD	883306-002MSD	883306-002MSD
MSD	HTPS-001EMSD	883288-004MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.338	0	---	---		---	---	---		---		---	---	---	883288-004	2.07	10.0	13.6	115.5		10.0	12.9	107.8		5.8		75	125	24
Mercury - Low Level	0.338	0	---	---		---	---	---		---		---	---	---	883306-002	113.8	200.0	332.8	109.5		200.0	349.3	117.7		4.8		75	125	24
Mercury - Low Level	0.338	0	---	---		---	---	---		---		---	---	---	883368-001	17.8	10.0	28.8	109.4		10.0	29.5	116.3		2.4		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20562

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20341
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2192-026MB	WCG2192-026MB
LCS	WCG2192-026MBLCS	WCG2192-026MBLCS
MS	883287-012MS	883287-012MS
MS	883287-001MS	883287-001MS
MSD	883287-012MSD	883287-012MSD
MSD	883287-001MSD	883287-001MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Nitrite	< 0.03	0.80	0.8	100.0		---	---	---		---		90	110	20	---	---	---	---	---		---	---	---		---		---	---	---
Chloride	< 1.1	20.0	19.6	97.8		---	---	---		---		90	110	20	883287-001	68.2	20.0	89.7	107.6		20.0	89.6	106.8		0.2		90	110	20
Fluoride	< 0.059	2.0	2	101.0		---	---	---		---		90	110	20	883287-001	0.30	2.0	2.3	98.0		2.0	2.2	97.5		0.4		90	110	20
Nitrogen, Nitrate	< 0.085	1.6	1.6	100.0		---	---	---		---		90	110	20	883287-001	< 0.085	1.6	1.6	103.1		1.6	1.6	102.5		0.6		90	110	20
Sulfate	< 0.51	16.0	15.9	99.4		---	---	---		---		90	110	20	883287-001	44.7	16.0	63.1	114.6	N	16.0	62.8	112.8	N	0.4		90	110	20
Chloride	< 1.1	20.0	19.6	97.8		---	---	---		---		90	110	20	883287-012	47.0	20.0	68.2	105.6		20.0	68	104.8		0.3		90	110	20
Fluoride	< 0.059	2.0	2	101.0		---	---	---		---		90	110	20	883287-012	0.30	2.0	2.3	98.0		2.0	2.3	98.0		0.0		90	110	20
Nitrogen, Nitrate	< 0.085	1.6	1.6	100.0		---	---	---		---		90	110	20	883287-012	0.41	1.6	1.9	94.4		1.6	1.9	94.4		0.0		90	110	20
Sulfate	< 0.51	16.00	15.9	99.4		---	---	---		---		90	110	20	883287-012	61.25	80.00	137.8	95.8		80.00	138.9	97.1		0.8		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20341

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20378
Prep Method: SM 2130B
Analytical Method: SM 2130B

QC Type	Client Sample ID	Lab Sample ID
DUP	DUPS-003DUP	883288-006DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	883288-006	5.260	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20378

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20403
Prep Method: SM 4500-S2 F
Analytical Method: SM 4500-S2 F

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1386-007MB	WCG1386-007MB
LCS	WCG1386-007MBLCS	WCG1386-007MBLCS
MS	883284-001MS	883284-001MS
MSD	883284-001MSD	883284-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB	LKLS-001E	883288-002	MB
LKLS-002E	883288-003	MB	HTPS-001E	883288-004	MB
HTPS-002E	883288-005	MB	DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.3	44.0	39.6	90.0		---	---	---		---		80	120	20	883284-001	< 2.3	44.0	46	104.5		44.0	38.4	87.3		18.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20403

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20408
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2189-008MB	WCG2189-008MB
LCS	WCG2189-008MBLCS	WCG2189-008MBLCS
MS	LKLS-001EMS	883288-002MS
MSD	LKLS-001EMSD	883288-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Bicarbonate Alkalinity	<	3.2	77.40	74.8	96.6		---	---	---		---		80	120	20	883288-002		30.80	100.0	132	101.2		100.0	132	101.2		0.0		80	120	20
Carbonate Alkalinity	<	3.2	0	---	---		---	---	---		---		---	---	---	883288-002	<	3.2	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	<	3.2	77.40	74.8	96.6		---	---	---		---		80	120	20	883288-002		30.80	100.0	132	101.2		100.0	132	101.2		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20408

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20422
Prep Method: SM 2540C
Analytical Method: SM 2540C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-086MB	WCG2107-086MB
LCS	WCG2107-086MBLCS	WCG2107-086MBLCS
DUP	883369-004DUP	883369-004DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 12	849.0	858	101.1		---	---	---		---		80	120	10	883369-004	22.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20422

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20424
Prep Method: SM 2540D
Analytical Method: SM 2540D

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-040MB	WCG2178-040MB
LCS	WCG2178-040MBLCS	WCG2178-040MBLCS
DUP	883352-001DUP	883352-001DUP
DUP	883349-001DUP	883349-001DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Suspended Solids	< 0.31	278.0	230	82.7		---	---	---		---		80	120	10	883349-001	16.00	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	< 0.31	278.0	230	82.7		---	---	---		---		80	120	10	883352-001	14.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20424

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20471
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-037MB	WCG2193-037MB
LCS	WCG2193-037MBLCS	WCG2193-037MBLCS
MS	882959-004MS	882959-004MS
MS	882958-001MS	882958-001MS
MSD	882959-004MSD	882959-004MSD
MSD	882958-001MSD	882958-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB			

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	<	1.4	100.0	91.8	91.8		---	---	---		---		80	120	20	882958-001	<	1.4	100.0	102.5	102.5		100.0	104.7	104.7		2.1		80	120	20
TOC as NPOC - Dissolved	<	1.4	100.0	91.8	91.8		---	---	---		---		80	120	20	882959-004	<	1.4	100.0	102.8	102.8		100.0	104.9	104.9		2.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20471

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20472
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-048MB	WCG2135-048MB
LCS	WCG2135-048MBLCS	WCG2135-048MBLCS
MS	883375-001MS	883375-001MS
MS	883369-003MS	883369-003MS
MSD	883375-001MSD	883375-001MSD
MSD	883369-003MSD	883369-003MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	<	11	500.0	506.3	101.3		---	---	---		---		90	110	10	883369-003	13.28	263.2	270.7	97.8		263.2	275.5	99.6		1.7		90	110	10
COD	<	11	500.0	506.3	101.3		---	---	---		---		90	110	10	883375-001	79.41	263.2	339.2	98.7		263.2	332.2	96.0		2.1		90	110	10

Conc = PPM unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20472

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20473
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-038MB	WCG2193-038MB
LCS	WCG2193-038MBLCS	WCG2193-038MBLCS
MS	LKLS-002EMS	883288-003MS
MS	882976-002MS	882976-002MS
MSD	LKLS-002EMSD	883288-003MSD
MSD	882976-002MSD	882976-002MSD

Client Sample ID	Lab Sample ID	MB ID
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	< 1.4	100.0	92.6	92.6		---	---	---		---		80	120	20	882976-002	9.429	100.0	112.6	103.2		100.0	113.6	104.2		0.9		80	120	20
TOC as NPOC - Dissolved	< 1.4	100.0	92.6	92.6		---	---	---		---		80	120	20	883288-003	5.695	100.0	107.1	101.4		100.0	108.1	102.4		0.9		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20473

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20480
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-058MB	WCG2185-058MB
LCS	WCG2185-058MBLCS	WCG2185-058MBLCS
MS	LKLS-002EMS	883288-003MS
MS	883127-002MS	883127-002MS
MSD	LKLS-002EMSD	883288-003MSD
MSD	883127-002MSD	883127-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB
LKLS-002E	883288-003	MB

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Nitrogen, Ammonia	<	0.5	10	9.5	95.2		---	---	---		---		90	110	20	883127-002	<	0.5	10	9.7	96.6		10	9.6	95.6		1.1		90	110	20
Nitrogen, Ammonia	<	0.5	10	9.5	95.2		---	---	---		---		90	110	20	883288-003	<	0.5	10	9.6	96.1		10	10	99.8		3.7		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20480

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20482
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-059MB	WCG2185-059MB
LCS	WCG2185-059MBLCS	WCG2185-059MBLCS
MS	883353-001MS	883353-001MS
MS	883297-001MS	883297-001MS
MSD	883353-001MSD	883353-001MSD
MSD	883297-001MSD	883297-001MSD

Client Sample ID	Lab Sample ID	MB ID
HTPS-001E	883288-004	MB
DUPS-003	883288-006	MB

Client Sample ID	Lab Sample ID	MB ID
HTPS-002E	883288-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Nitrogen, Ammonia	< 0.5	10.0	9.8	97.7		---	---	---		---		90	110	20	883297-001	17.0	10.0	26.2	92.3		10.0	27.8	107.9		5.8		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	9.8	97.7		---	---	---		---		90	110	20	883353-001	0.749	10.0	10.3	95.2		10.0	10.3	95.1		0.1		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20482

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20485
Prep Method: SM 5310C
Analytical Method: SM 5310C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-039MB	WCG2193-039MB
LCS	WCG2193-039MBLCS	WCG2193-039MBLCS
MS	883042-005MS	883042-005MS
MSD	883042-005MSD	883042-005MSD

Client Sample ID	Lab Sample ID	MB ID
LKLS-001E	883288-002	MB
HTPS-001E	883288-004	MB
LKLS-002E	883288-003	MB
HTPS-002E	883288-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 1.4	100.0	91.7	91.7		---	---	---		---		80	120	20	883042-005	6.781	100.0	105.2	98.4		100.0	107.8	101.1		2.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20485

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883288
Lab Section: WETCHEM
QC Batch Number: 20556
Prep Method: SM 5310C
Analytical Method: SM 5310C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-043MB	WCG2193-043MB
LCS	WCG2193-043MBLCS	WCG2193-043MBLCS
MS	883296-004MS	883296-004MS
MS	FBKS-003MS	883288-001MS
MSD	883296-004MSD	883296-004MSD
MSD	FBKS-003MSD	883288-001MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-003	883288-001	MB

Client Sample ID	Lab Sample ID	MB ID
DUPS-003	883288-006	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 1.4	100.0	94.8	94.8		---	---	---		---		80	120	20	883288-001	< 1.4	100.0	106.3	106.3		100.0	106.3	106.3		0.1		80	120	20
TOC as NPOC	< 1.4	100.0	94.8	94.8		---	---	---		---		80	120	20	883296-004	1.965	100.0	108.4	106.4		100.0	108.9	106.9		0.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20556

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.13	U 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	220	1.2	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	21	B 13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.38	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.026	U 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	1.6	0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	9.3	U 9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.16	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.10	0.050	0.10	1	ug/L		05/10/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	21	B 4.6	500	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	0.375	0.163	0.163	1	ng/L		05/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/09/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	330	B 5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	3300	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.22	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	5.3	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	4.1	B 1.1	5.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/14/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/14/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	2.3	U 2.3	5.1	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	2.0	B 0.51	4.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/07/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.4	U 1.4	2.0	1	mg/L		05/18/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
Total Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	20	B 12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	0.31	U 0.31	1.0	1	mg/L		05/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/07/07		Anl By: DDY
Turbidity	0.44	U 0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 3:46 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 3:46 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 3:46 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 3:46 AM	SW846 5030B	SW846 8021B
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 3:46 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 3:46 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBKS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-001

BTEX

Prep Date/Time: 05/11/07 3:46 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-002

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	22	B 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.20	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	11	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	3.9	B 1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	5200	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.62	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.030	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	18	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	2100	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.080	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.15	0.050	0.10	1	ug/L		05/10/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1100	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	22	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.61	0.163	0.500	1	ng/L		05/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/09/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	670	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	560	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-002

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.38	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.6	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	15	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	2.8	B 1.1	5.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	26	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/14/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/14/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	2.4	U 2.4	5.2	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.0	0.51	4.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/07/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	6.2	1.4	2.0	1	mg/L		05/18/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
TOC as NPOC - Dissolved	6.1	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	15	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	120	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	3.4	0.61	2.0	1	mg/L		05/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/07/07		Anl By: DDY
Turbidity	3.4	0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 4:12 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 4:12 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 4:12 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 4:12 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-002

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-002

BTEX

Prep Date/Time: 05/11/07 4:12 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 4:12 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 4:12 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	97	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

Analytical Report Number: 883369

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-001E

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	8.3	0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.60	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	8.2	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	77	1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	51000	130	5000	10	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.38	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	4.2	0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	2.0	0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	230	1.5	20	10	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	410	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.060	B 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	3.2	0.050	0.10	1	ug/L		05/10/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	25000	46	5000	10	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	290	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	0.499	B 0.163	0.500	1	ng/L		05/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/09/07		Anl By: TLH
Molybdenum	11	0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	17	0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	8400	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	13000	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-001E

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.25	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.9	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	13	1.1	5.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
COD	13	B 11	53	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.27	B 0.059	0.50	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/14/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/14/07		Anl By:
Nitrogen, Nitrate	2.3	0.085	0.40	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.5	U 2.5	5.5	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	130	5.1	40	10	mg/L		05/04/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/07/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.6	B 1.4	2.0	1	mg/L		05/18/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
TOC as NPOC - Dissolved	2.6	1.4	2.0	1	mg/L	X	05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	320	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	0.46	B 0.35	1.1	1	mg/L		05/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/07/07		Anl By: DDY
Turbidity	3.2	0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 4:37 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 4:37 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 4:37 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 4:37 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-001E

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-003

BTEX

Prep Date/Time: 05/11/07 4:37 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 4:37 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 4:37 AM	SW846 5030B	SW846 8021B

Surrogate		LCL	UCL					
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-003

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.27	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	8.0	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	3.9	B 1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	6200	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.40	B 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.040	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	21	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	570	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.049	U 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.16	0.050	0.10	1	ug/L		05/10/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1500	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	110	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.04	0.163	0.500	1	ng/L		05/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/09/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	950	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	720	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-003

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.27	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.4	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.0	B 1.1	5.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
COD	24	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/14/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/14/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Nitrogen, Nitrite	0.030	U 0.030	0.20	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Oil & Grease - Non Polar	2.4	U 2.4	5.3	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.9	0.51	4.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By:
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/07/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	5.5	1.4	2.0	1	mg/L		05/18/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
TOC as NPOC - Dissolved	5.8	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	22	12	20	1	mg/L		05/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/04/07		Anl By: DDY
Total Suspended Solids	2.8	0.36	1.2	1	mg/L		05/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/07/07		Anl By: DDY
Turbidity	2.3	0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 5:03 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 5:03 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 5:03 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 5:03 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : WLDS-003

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-004

BTEX

Prep Date/Time: 05/11/07 5:03 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 5:03 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 5:03 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

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Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	6.3	U 6.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Antimony	0.24	U 0.24	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Arsenic	0.29	B 0.13	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Barium	8.0	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Beryllium	0.10	U 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Boron	2.8	B 1.2	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cadmium	0.12	U 0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Calcium	6100	13	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Chromium	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Cobalt	0.030	B 0.026	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Copper	0.59	U 0.59	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Hardness	21	0.15	2.0	1	mg/L		05/15/07	SW846 3020A	6020/2340B
							Prep Date/Time: 05/07/07		Anl By: CCR
Iron	570	9.3	50	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lead	0.049	U 0.049	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Lithium	0.15	0.050	0.10	1	ug/L		05/10/07	EPA 3020	EPA 6020
							Prep Date/Time:		Anl By: *PA
Magnesium	1500	4.6	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Manganese	110	0.12	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Mercury - Low Level	1.13	0.163	0.500	1	ng/L		05/10/07	EPA 1631E	EPA 1631E
							Prep Date/Time: 05/09/07		Anl By: TLH
Molybdenum	0.61	U 0.61	10	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Nickel	0.32	U 0.32	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Potassium	960	5.7	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Selenium	0.67	U 0.67	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Silver	0.034	U 0.034	0.50	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Sodium	710	17	500	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Thallium	0.053	U 0.053	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Vanadium	0.36	B 0.10	1.0	1	ug/L		05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Zinc	2.7	B 0.98	10	1	ug/L	A	05/15/07	SW846 3020A	SW846 6020
							Prep Date/Time: 05/07/07		Anl By: CCR
Bicarbonate Alkalinity	18	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Chloride	3.0	B 1.1	5.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	24	B 11	50	1	mg/L		05/07/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 05/07/07		Anl By: DEY
Fluoride	0.059	U 0.059	0.50	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		05/14/07	EPA 350.1	EPA 350.1
							Prep Date/Time: 05/14/07		Anl By:
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Oil & Grease - Non Polar	2.6	U 2.6	5.6	1	mg/L		05/11/07	EPA 1664 TPH	EPA 1664 TPH
							Prep Date/Time:		Anl By: *PA
Sulfate	4.8	0.51	4.0	1	mg/L		05/03/07	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		05/07/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	5.0	1.4	2.0	1	mg/L		05/18/07	SM 5310C	SM 5310C
							Prep Date/Time: 05/09/07		Anl By: GM
TOC as NPOC - Dissolved	5.6	1.4	2.0	1	mg/L		05/07/07	EPA 415.2	EPA 415.2
							Prep Date/Time: 05/07/07		Anl By: GM
Total Alkalinity	18	3.2	10	1	mg/L		05/09/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: DEY
Total Dissolved Solids	42	12	20	1	mg/L	*	05/09/07	SM 2540C	SM 2540C
							Prep Date/Time: 05/09/07		Anl By: DEY
Total Suspended Solids	2.6	0.31	1.0	1	mg/L		05/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 05/07/07		Anl By: DDY
Turbidity	2.3	0.44	1.0	1	NTU		05/03/07	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: DEY
Special Analytical Services	INCL.								
							Prep Date/Time:		Anl By:

BTEX

Prep Date/Time: 05/11/07 5:28 AM Anl By: SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Benzene	0.14	U 0.14	1.0	1	ug/L		05/11/07 5:28 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.40	U 0.40	1.0	1	ug/L		05/11/07 5:28 AM	SW846 5030B	SW846 8021B
Toluene	0.36	U 0.36	1.0	1	ug/L		05/11/07 5:28 AM	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 883369

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPS-004

Matrix Type : WATER
Collection Date : 05/02/07
Report Date : 05/29/07
Lab Sample Number : 883369-005

BTEX

Prep Date/Time: 05/11/07 5:28 AM **Anl By:** SES

Analyte	Result	MDL	EQL	Dil.	Units	Code	Anal Date/Time	Prep Method	Anl Method
Xylene, m + p	0.74	U 0.74	2.0	1	ug/L		05/11/07 5:28 AM	SW846 5030B	SW846 8021B
Xylene, o	0.36	U 0.36	1.0	1	ug/L		05/11/07 5:28 AM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**						
a,a,a-Trifluorotoluene	98	80	124	1	%		05/11/07	SW846 5030B	SW846 8021B

Pace Analytical Services, Inc.

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Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883369
Lab Section: GAS
QC Batch Number: 20467
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2177-78MB	GG2177-78MB
LCS	GG2177-78MBLCS	GG2177-78MBLCS
LCSD	GG2177-78MBLCSD	GG2177-78MBLCSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Benzene	<	0.14	20.0	21.2	106		20.0	21.3	107		0.5		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Ethylbenzene	<	0.4	20.0	20.6	103		20.0	20.3	102		1.2		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Toluene	<	0.36	20.0	21	105		20.0	20.8	104		0.5		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, m + p	<	0.74	40.0	40.7	102		40.0	40.2	101		1.0		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
Xylene, o	<	0.36	20.0	20.1	101		20.0	19.9	99		1.3		85	115	20	---		---	---	---	---		---	---	---		---		---	---	---
a,a,a-Trifluorotoluene		98%	---	---	98		---	---	97		---		80	124	---	---		---	---	---	---		---	---	---		---		---	---	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20467

Pace Analytical Services, Inc.

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920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883369
Lab Section: METALS
QC Batch Number: 20441
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2202-01	MBWMTG2202-01
LCS	LCSWMTG2202-01	LCSWMTG2202-01
MS	883288-002MS	883288-002MS
MSD	883288-002MSD	883288-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result	Method Blank Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Aluminum	<	6.3	10000.0	10400	104.0		---	---	---		---		75	125	20	883288-002		13.8800	10000.0	10210	102.0		10000.0	10330	103.2		1.2		75	125	20
Antimony	<	0.24	200.0	214.5	107.2		---	---	---		---		75	125	20	883288-002	<	0.24	200.0	206.8	103.4		200.0	209	104.5		1.1		75	125	20
Arsenic	<	0.13	200.0	209	104.5		---	---	---		---		75	125	20	883288-002		0.5800	200.0	204.4	101.9		200.0	206.3	102.9		0.9		75	125	20
Barium	<	0.12	200.0	206.1	103.1		---	---	---		---		75	125	20	883288-002		3.620	200.0	202.9	99.6		200.0	205	100.7		1.0		75	125	20
Beryllium	<	0.1	200.0	208.1	104.1		---	---	---		---		75	125	20	883288-002	<	0.1	200.0	200.5	100.2		200.0	200.4	100.2		0.0		75	125	20
Boron	<	1.2	200.0	196.9	98.4		---	---	---		---		75	125	20	883288-002		7.070	200.0	207.4	100.2		200.0	208.6	100.8		0.6		75	125	20
Cadmium	<	0.12	200.0	208.9	104.4		---	---	---		---		75	125	20	883288-002	<	0.12	200.0	201	100.5		200.0	203.1	101.6		1.0		75	125	20
Calcium	<	13	10000.0	10530	105.3		---	---	---		---		75	125	20	883288-002		7890.00	10000.0	17860	99.7		10000.0	17820	99.3		0.2		75	125	20
Chromium	<	0.32	200.0	210.4	105.2		---	---	---		---		75	125	20	883288-002		0.6200	200.0	199.2	99.3		200.0	203.9	101.6		2.3		75	125	20
Cobalt	<	0.026	200.0	205.2	102.6		---	---	---		---		75	125	20	883288-002		0.1000	200.0	195.7	97.8		200.0	197.8	98.8		1.1		75	125	20
Copper	<	0.59	200.0	212.1	106.1		---	---	---		---		75	125	20	883288-002		0.8400	200.0	200.3	99.7		200.0	198.5	98.8		0.9		75	125	20
Iron	<	9.3	10000.0	10720	107.2		---	---	---		---		75	125	20	883288-002		543.700	10000.0	10780	102.4		10000.0	10690	101.5		0.8		75	125	20
Lead	<	0.049	200.0	209	104.5		---	---	---		---		75	125	20	883288-002		0.1300	200.0	203.8	101.8		200.0	206.5	103.2		1.3		75	125	20
Magnesium	J	4.7	10000.0	10730	107.3		---	---	---		---		75	125	20	883288-002		3273.00	10000.0	13620	103.5		10000.0	13730	104.6		0.8		75	125	20
Manganese	<	0.12	200.0	212.7	106.3		---	---	---		---		75	125	20	883288-002		173.0	200.0	353.8	90.4		200.0	370.3	98.7		4.6		75	125	20
Molybdenum	<	0.61	200.0	209.6	104.8		---	---	---		---		75	125	20	883288-002	<	0.61	200.0	205.6	102.8		200.0	208	104.0		1.2		75	125	20
Nickel	<	0.32	200.0	209.8	104.9		---	---	---		---		75	125	20	883288-002		1.780	200.0	200.6	99.4		200.0	199.1	98.7		0.8		75	125	20
Potassium	<	5.7	10000.0	10600	106.0		---	---	---		---		75	125	20	883288-002		1153.00	10000.0	11310	101.6		10000.0	11640	104.9		2.9		75	125	20
Selenium	<	0.67	200.0	203.1	101.6		---	---	---		---		75	125	20	883288-002	<	0.67	200.0	197.7	98.8		200.0	199.5	99.8		0.9		75	125	20
Silver	<	0.034	100.0	104.6	104.6		---	---	---		---		75	125	20	883288-002	<	0.034	100.0	100.8	100.8		100.0	101.7	101.7		0.9		75	125	20
Sodium	<	17	10000.0	10460	104.6		---	---	---		---		75	125	20	883288-002		976.100	10000.0	11290	103.1		10000.0	11350	103.7		0.5		75	125	20
Thallium	<	0.053	200.0	202.8	101.4		---	---	---		---		75	125	20	883288-002	<	0.053	200.0	198.9	99.4		200.0	200.8	100.4		1.0		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20441

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Vanadium	<	0.1	200.0	210.2	105.1		---	---	---		---		75	125	20	883288-002	0.3500	200.0	199.1	99.4		200.0	204	101.8		2.4		75	125	20
Zinc	J	2.2	200.0	203.9	101.9		---	---	---		---		75	125	20	883288-002	3.390	200.0	197.3	97.0		200.0	198	97.3		0.4		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20441

Pace Analytical
Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: METALS
QC Batch Number: 20589
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTK2207-001	MBWMTK2207-001
IPR	IPRWMTK2207-001	IPRWMTK2207-001
OPR	OPRWMTK2207-001	OPRWMTK2207-001
MS	883381-004MS	883381-004MS
MS	WLDS-002MS	883369-002MS
MSD	883381-004MSD	883381-004MSD
MSD	WLDS-002MSD	883369-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.2698	0	---	---		---	---	---		---		---	---	---	883369-002	1.6	5.0	7.1	109.8		5.0	7.5	118.2		5.8		75	125	24
Mercury - Low Level	0.2698	0	---	---		---	---	---		---		---	---	---	883381-004	31.6	40.0	78.4	116.9		40.0	75.5	109.8		3.7		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20589

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20400
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2192-029MB	WCG2192-029MB
LCS	WCG2192-029MBLCS	WCG2192-029MBLCS
MS	DUPS-004MS	883369-005MS
MSD	DUPS-004MSD	883369-005MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Chloride	< 1.1	20.0	19.8	98.8		---	---	---		---		90	110	20	883369-005	2.95	20.0	20.1	85.9	N	20.0	20.3	86.7	N	0.7		90	110	20
Fluoride	< 0.059	2.0	2	101.5		---	---	---		---		90	110	20	883369-005	< 0.059	2.0	2	102.5		2.0	2.1	103.5		1.0		90	110	20
Nitrogen, Nitrate	< 0.085	1.6	1.6	102.5		---	---	---		---		90	110	20	883369-005	< 0.085	1.6	1.6	101.9		1.6	1.6	103.1		1.2		90	110	20
Nitrogen, Nitrite	< 0.036	0.80	0.81	101.2		---	---	---		---		90	110	20	883369-005	< 0.036	0.80	0.79	98.8		0.80	0.8	100.0		1.3		90	110	20
Sulfate	< 0.51	16.0	16.1	100.4		---	---	---		---		90	110	20	883369-005	4.81	16.0	19.6	92.8		16.0	19.7	93.1		0.3		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20400

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20422
Prep Method: SM 2540C
Analytical Method: SM 2540C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-086MB	WCG2107-086MB
LCS	WCG2107-086MBLCS	WCG2107-086MBLCS
DUP	WLDS-003DUP	883369-004DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 12	849.0	858	101.1		---	---	---		---		80	120	10	883369-004	22.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20422

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20428
Prep Method: SM 2130B
Analytical Method: SM 2130B

QC Type	Client Sample ID	Lab Sample ID
DUP	DUPS-004DUP	883369-005DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	---	0	---	---		---	---	---		---		---	---	---	883369-005	2.260	---	---	---		---	---	---		---		---	---	---

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20428

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20452
Prep Method: SM 4500-S2 F
Analytical Method: SM 4500-S2 F

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2189-010MB	WCG2189-010MB
LCS	WCG2189-010MBLCS	WCG2189-010MBLCS
LCSD	WCG2189-010MBLCSD	WCG2189-010MBLCSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.3	43.2	40.8	94.4		43.2	47.6	110.2		15.4		80	120	20	---	---	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20452

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20464
Prep Method: SM 2540D
Analytical Method: SM 2540D

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-042MB	WCG2178-042MB
LCS	WCG2178-042MBLCS	WCG2178-042MBLCS
DUP	883355-002DUP	883355-002DUP
DUP	883336-006DUP	883336-006DUP

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.15	278.0	224	80.6		---	---	---		---		80	120	10	883336-006		9.400	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.15	278.0	224	80.6		---	---	---		---		80	120	10	883355-002		294.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20464

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20472
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-048MB	WCG2135-048MB
LCS	WCG2135-048MBLCS	WCG2135-048MBLCS
MS	883375-001MS	883375-001MS
MS	HMP-001EMS	883369-003MS
MSD	883375-001MSD	883375-001MSD
MSD	HMP-001EMSD	883369-003MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
COD	< 11	500.0	506.3	101.3		---	---	---		---		90	110	10	883369-003	13.28	263.2	270.7	97.8		263.2	275.5	99.6		1.7		90	110	10
COD	< 11	500.0	506.3	101.3		---	---	---		---		90	110	10	883375-001	79.41	263.2	339.2	98.7		263.2	332.2	96.0		2.1		90	110	10

Conc = PPM unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20472

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20473
Prep Method: EPA 415.2
Analytical Method: EPA 415.2

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-038MB	WCG2193-038MB
LCS	WCG2193-038MBLCS	WCG2193-038MBLCS
MS	883288-003MS	883288-003MS
MS	882976-002MS	882976-002MS
MSD	883288-003MSD	883288-003MSD
MSD	882976-002MSD	882976-002MSD

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Client Sample ID	Lab Sample ID	MB ID
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC - Dissolved	< 1.4	100.0	92.6	92.6		---	---	---		---		80	120	20	882976-002	9.429	100.0	112.6	103.2		100.0	113.6	104.2		0.9		80	120	20
TOC as NPOC - Dissolved	< 1.4	100.0	92.6	92.6		---	---	---		---		80	120	20	883288-003	5.695	100.0	107.1	101.4		100.0	108.1	102.4		0.9		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20473

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20544
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2189-011MB	WCG2189-011MB
LCS	WCG2189-011MBLCS	WCG2189-011MBLCS
MS	WLDS-002MS	883369-002MS
MSD	WLDS-002MSD	883369-002MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Bicarbonate Alkalinity	< 3.2	77.40	79.2	102.3		---	---	---		---		80	120	20	883369-002	15.40	100.0	116.6	101.2		100.0	116.6	101.2		0.0		80	120	20
Carbonate Alkalinity	< 3.2	0	---	---		---	---	---		---		---	---	---	883369-002	< 3.2	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	< 3.2	77.40	79.2	102.3		---	---	---		---		80	120	20	883369-002	15.40	100.0	116.6	101.2		100.0	116.6	101.2		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20544

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20561
Prep Method: SM 2540C
Analytical Method: SM 2540C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2107-088MB	WCG2107-088MB
LCS	WCG2107-088MBLCS	WCG2107-088MBLCS
DUP	DUPS-004DUP	883369-005DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
DUPS-004	883369-005	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Total Dissolved Solids	< 12	849.0	868	102.2		---	---	---		---		80	120	10	883369-005	42.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20561

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20683
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2185-067MB	WCG2185-067MB
LCS	WCG2185-067MBLCS	WCG2185-067MBLCS
MS	883481-002MS	883481-002MS
MS	883460-001MS	883460-001MS
MSD	883481-002MSD	883481-002MSD
MSD	883460-001MSD	883460-001MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Nitrogen, Ammonia	< 0.5	10.0	10.7	107.1		---	---	---		---		90	110	20	883460-001	23.4	10.0	33.1	97.4		10.0	33.9	104.7		2.2		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	10.7	107.1		---	---	---		---		90	110	20	883481-002	< 0.5	10.0	11.2	112.4	N	10.0	10.9	108.8		3.2		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20683

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 883369
Lab Section: WETCHEM
QC Batch Number: 20878
Prep Method: SM 5310C
Analytical Method: SM 5310C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-061MB	WCG2193-061MB
LCS	WCG2193-061MBLCS	WCG2193-061MBLCS
MS	883287-012MS	883287-012MS
MS	883287-007MS	883287-007MS
MSD	883287-012MSD	883287-012MSD
MSD	883287-007MSD	883287-007MSD

Client Sample ID	Lab Sample ID	MB ID
FBKS-004	883369-001	MB
HMP-001E	883369-003	MB
DUPS-004	883369-005	MB

Client Sample ID	Lab Sample ID	MB ID
WLDS-002	883369-002	MB
WLDS-003	883369-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
TOC as NPOC	< 1.4	100.0	96.7	96.7		---	---	---		---		80	120	20	883287-007	4.739	100.0	103	98.2		100.0	102.3	97.5		0.7		80	120	20
TOC as NPOC	< 1.4	100.0	96.7	96.7		---	---	---		---		80	120	20	883287-012	< 1.4	100.0	105	105.0		100.0	101.4	101.4		3.5		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/4/2007
QC Batch Number: 20878

Pace Analytical Services, Inc.

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Green Bay, WI 54302
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Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
882218	W-SULF-W	All Samples	Inadequate sample volume received to perform the method required MS/MSD.
882218-	BTEX-W	All Samples	001-009 Insufficient sample for MS/MSD analysis.
882218-	M-AL-W	All Samples	A - Analyte is detected in the method blank at a concentration of -12 ug/L.
882218-	M-CA-W	All Samples	A - Analyte is detected in the method blank at a concentration of -89 ug/L.
882218-	M-MG-W	All Samples	A - Analyte is detected in the method blank at a concentration of 4.6 ug/L.
882218-	M-NI-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.41 ug/L.
882218-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of -3.4 ug/L.
882218-005	M-HGLL-W	EBRS-001	X - Sample result was verified with reanalysis.
882218-005	M-NA-W	EBRS-001	A - Analyte is detected in the method blank at a concentration of -75 ug/L.
882218-009	W-NO2-W	FBKS-001	X -Sample analyzed 2 days past hold to confirm initial NO2 result of 1.30 mg/L. there was not a hit of NO2 in the confirmation analysis.

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Lab Number	TestGroupID	Field ID	Comment
882295	W-SULF-W	All Samples	Inadequate sample volume received to perform the method required MS/MSD.
882295-	BTEX-W	All Samples	001-006 Insufficient sample for MS/MSD analysis.
882295-	M-NA-W	All Samples	A - Analyte is detected in the method blank at a concentration of 220 ug/L.
882295-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 5.9 ug/L.
882295-002	W-NO3-W	MERS-002	H - Analysis performed "1" day past holding time. Initially analyzed within hold. Due to CCB failure and carryover sample had to be reanalyzed.
882295-003	W-NO3-W	MERS-003	H - Analysis performed 8 minutes past holding time.
882295-006	M-AL-W	FBKS-002	A - Analyte is detected in the method blank at a concentration of -6.9 ug/L.
882295-006	M-BA-W	FBKS-002	A - Analyte is detected in the method blank at a concentration of 0.22 ug/L.
882295-006	W-NO3-W	FBKS-002	H - Analysis performed 5 minutes past holding time.

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Lab Number	TestGroupID	Field ID	Comment
883288	W-TOC-D	All Samples	9 - Samples were received unfiltered. Filtering was performed in lab.
883288-	BTEX-W	All Samples	001-003 Inadequate sample provided for method required MS/MSD analysis.
883288-	BTEX-W	All Samples	004-007 Inadequate sample provided for method required MS/MSD analysis.
883288-	M-AG-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.06 ug/L.
883288-	M-B-W	All Samples	A - Analyte is detected in the method blank at a concentration of -5.8 ug/L.
883288-	M-MG-W	All Samples	A - Analyte is detected in the method blank at a concentration of 4.7 ug/L.
883288-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.2 ug/L.

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Lab Number	TestGroupID	Field ID	Comment
883369	W-SULF-W	All Samples	Inadequate sample volume received to perform the method required MS/MSD.
883369-	BTEX-W	All Samples	001-005 Inadequate sample provided for method required MS/MSD analysis.
883369-	M-AG-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.06 ug/L.
883369-	M-B-W	All Samples	A - Analyte is detected in the method blank at a concentration of -5.8 ug/L.
883369-	M-MG-W	All Samples	A - Analyte is detected in the method blank at a concentration of 4.7 ug/L.
883369-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 2.2 ug/L.
883369-003	W-TOC-D	HMP-001E	X - Unable to achieve 10% RPD on consecutive injections. The average of 5 injections was reported.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	882218-001	882218-002	882218-003	882218-004	882218-005	882218-006	882218-007	882218-008	882218-009
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B	B	B	B		B
ALUMINUM	B	B	B	B	B	B	B		B
ANTIMONY	B	B	B	B	B	B	B		B
ARSENIC	B	B	B	B	B	B	B		B
BARIUM	B	B	B	B	B	B	B		B
BERYLLIUM	B	B	B	B	B	B	B		B
BORON	B	B	B	B	B	B	B		B
BTEX	G	G	G	G	G	G	G	G	G
CADMIUM	B	B	B	B	B	B	B		B
CALCIUM	B	B	B	B	B	B	B		B
CHLORIDE	B	B	B	B	B	B	B		B
CHROMIUM	B	B	B	B	B	B	B		B
COBALT	B	B	B	B	B	B	B		B
COD	B	B	B	B	B	B	B		B
COPPER	B	B	B	B	B	B	B		B
FLUORIDE	B	B	B	B	B	B	B		B
HARDNESS	B	B	B	B	B	B	B		B
IRON	B	B	B	B	B	B	B		B
LEAD	B	B	B	B	B	B	B		B
LITHIUM	M	M	M	M	M	M	M		M
MAGNESIUM	B	B	B	B	B	B	B		B
MANGANESE	B	B	B	B	B	B	B		B
MERCURY - LOW LEVEL	K	K	K	K	K	K	K		K
MOLYBDENUM	B	B	B	B	B	B	B		B
NICKEL	B	B	B	B	B	B	B		B
NITROGEN, AMMONIA	B	B	B	B	B	B	B		B
NITROGEN, NITRATE	B	B	B	B	B	B	B		B
NITROGEN, NITRITE	B	B	B	B	B	B	B		B
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M	M	M	M		M
POTASSIUM	B	B	B	B	B	B	B		B
SAS	W	W	W	W	W	W	W		W
SELENIUM	B	B	B	B	B	B	B		B
SILVER	B	B	B	B	B	B	B		B
SODIUM	B	B	B	B	B	B	B		B
SOLIDS, TOTAL DISSOLVED	B	B	B	B	B	B	B		B
SOLIDS, TOTAL SUSPENDED	B	B	B	B	B	B	B		B
SULFATE	B	B	B	B	B	B	B		B
SULFIDE	B	B	B	B	B	B	B		B
THALLIUM	B	B	B	B	B	B	B		B
TOC AS NPOC	K	K	K	K	K	K	K		K

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	882218-001	882218-002	882218-003	882218-004	882218-005	882218-006	882218-007	882218-008	882218-009
TOC AS NPOC - DISSOLVED	K	K	K	K	K	K	K		
TURBIDITY	B	B	B	B	B	B	B		B
VANADIUM	B	B	B	B	B	B	B		B
ZINC	B	B	B	B	B	B	B		B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Test Group Name	882295-001	882295-002	882295-003	882295-004	882295-005	882295-006
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B		B
ALUMINUM	B	B	B	B		B
ANTIMONY	B	B	B	B		B
ARSENIC	B	B	B	B		B
BARIUM	B	B	B	B		B
BERYLLIUM	B	B	B	B		B
BORON	B	B	B	B		B
BTEX	G	G	G	G	G	G
CADMIUM	B	B	B	B		B
CALCIUM	B	B	B	B		B
CHLORIDE	B	B	B	B		B
CHROMIUM	B	B	B	B		B
COBALT	B	B	B	B		B
COD	B	B	B	B		B
COPPER	B	B	B	B		B
FLUORIDE	B	B	B	B		B
HARDNESS	B	B	B	B		B
IRON	B	B	B	B		B
LEAD	B	B	B	B		B
LITHIUM	M	M	M	M		M
MAGNESIUM	B	B	B	B		B
MANGANESE	B	B	B	B		B
MERCURY - LOW LEVEL	K	K	K	K		K
MOLYBDENUM	B	B	B	B		B
NICKEL	B	B	B	B		B
NITROGEN, AMMONIA	B	B	B	B		B
NITROGEN, NITRATE	B	B	B	B		B
NITROGEN, NITRITE	B	B	B	B		B
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M		M
POTASSIUM	B	B	B	B		B
SAS	W	W	W	W		W
SELENIUM	B	B	B	B		B
SILVER	B	B	B	B		B
SODIUM	B	B	B	B		B
SOLIDS, TOTAL DISSOLVED	B	B	B	B		B
SOLIDS, TOTAL SUSPENDED	B	B	B	B		B
SULFATE	B	B	B	B		B
SULFIDE	B	B	B	B		B
THALLIUM	B	B	B	B		B
TOC AS NPOC	K	K	K	K		K

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	882295-001	882295-002	882295-003	882295-004	882295-005	882295-006
TOC AS NPOC - DISSOLVED	K	K	K	K		
TURBIDITY	B	B	B	B		B
VANADIUM	B	B	B	B		B
ZINC	B	B	B	B		B

Code	MI Certification
B	Not Certified
G	Not Certified
K	Not Certified
M	Not Certified
W	PADEP Recog.

Test Group Name	883288-001	883288-002	883288-003	883288-004	883288-005	883288-006	883288-007
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B	B	B	
ALUMINUM	B	B	B	B	B	B	
ANTIMONY	B	B	B	B	B	B	
ARSENIC	B	B	B	B	B	B	
BARIUM	B	B	B	B	B	B	
BERYLLIUM	B	B	B	B	B	B	
BORON	B	B	B	B	B	B	
BTEX	G	G	G	G	G	G	G
CADMIUM	B	B	B	B	B	B	
CALCIUM	B	B	B	B	B	B	
CHLORIDE	B	B	B	B	B	B	
CHROMIUM	B	B	B	B	B	B	
COBALT	B	B	B	B	B	B	
COD	B	B	B	B	B	B	
COPPER	B	B	B	B	B	B	
FLUORIDE	B	B	B	B	B	B	
HARDNESS	B	B	B	B	B	B	
IRON	B	B	B	B	B	B	
LEAD	B	B	B	B	B	B	
LITHIUM	M	M	M	M	M	M	
MAGNESIUM	B	B	B	B	B	B	
MANGANESE	B	B	B	B	B	B	
MERCURY - LOW LEVEL	B	B	B	B	B	B	
MOLYBDENUM	B	B	B	B	B	B	
NICKEL	B	B	B	B	B	B	
NITROGEN, AMMONIA	B	B	B	B	B	B	
NITROGEN, NITRATE	B	B	B	B	B	B	
NITROGEN, NITRITE	B	B	B	B	B	B	
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M	M	M	
POTASSIUM	B	B	B	B	B	B	
SAS	C	W	W	W	W	W	
SELENIUM	B	B	B	B	B	B	
SILVER	B	B	B	B	B	B	
SODIUM	B	B	B	B	B	B	
SOLIDS, TOTAL DISSOLVED	B	B	B	B	B	B	
SOLIDS, TOTAL SUSPENDED	B	B	B	B	B	B	
SULFATE	B	B	B	B	B	B	
SULFIDE	B	B	B	B	B	B	
THALLIUM	B	B	B	B	B	B	
TOC AS NPOC	B	B	B	B	B	B	

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	883288-001	883288-002	883288-003	883288-004	883288-005	883288-006	883288-007
TOC AS NPOC - DISSOLVED		B	B	B	B	B	
TURBIDITY	B	B	B	B	B	B	
VANADIUM	B	B	B	B	B	B	
ZINC	B	B	B	B	B	B	

Code	MI Certification
B	Not Certified
C	See Report
G	Not Certified
M	Not Certified
W	PADEP Recog.

Test Group Name	883369-001	883369-002	883369-003	883369-004	883369-005
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B	B
ALUMINUM	B	B	B	B	B
ANTIMONY	B	B	B	B	B
ARSENIC	B	B	B	B	B
BARIUM	B	B	B	B	B
BERYLLIUM	B	B	B	B	B
BORON	B	B	B	B	B
BTEX	G	G	G	G	G
CADMIUM	B	B	B	B	B
CALCIUM	B	B	B	B	B
CHLORIDE	B	B	B	B	B
CHROMIUM	B	B	B	B	B
COBALT	B	B	B	B	B
COD	B	B	B	B	B
COPPER	B	B	B	B	B
FLUORIDE	B	B	B	B	B
HARDNESS	B	B	B	B	B
IRON	B	B	B	B	B
LEAD	B	B	B	B	B
LITHIUM	M	M	M	M	M
MAGNESIUM	B	B	B	B	B
MANGANESE	B	B	B	B	B
MERCURY - LOW LEVEL	B	B	B	B	B
MOLYBDENUM	B	B	B	B	B
NICKEL	B	B	B	B	B
NITROGEN, AMMONIA	B	B	B	B	B
NITROGEN, NITRATE	B	B	B	B	B
NITROGEN, NITRITE	B	B	B	B	B
OIL & GREASE, TOTAL RECOVER - N	M	M	M	M	M
POTASSIUM	B	B	B	B	B
SAS	W	W	W	W	W
SELENIUM	B	B	B	B	B
SILVER	B	B	B	B	B
SODIUM	B	B	B	B	B
SOLIDS, TOTAL DISSOLVED	B	B	B	B	B
SOLIDS, TOTAL SUSPENDED	B	B	B	B	B
SULFATE	B	B	B	B	B
SULFIDE	B	B	B	B	B
THALLIUM	B	B	B	B	B
TOC AS NPOC	B	B	B	B	B

Test Group Name	883369-001	883369-002	883369-003	883369-004	883369-005
TOC AS NPOC - DISSOLVED		B	B	B	B
TURBIDITY	B	B	B	B	B
VANADIUM	B	B	B	B	B
ZINC	B	B	B	B	B

Code	MI Certification
B	Not Certified
G	Not Certified
M	Not Certified
W	PADEP Recog.

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Fax: (612)607-6444

May 15, 2007

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Thieschafer

julie.thieschafer@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

Lab ID	Sample ID	Matrix	Date Collected	Date Received
883288001	FBKS-003	Water	05/01/07 00:00	05/02/07 00:00
883288002	LKLS-001E	Water	05/01/07 00:00	05/02/07 00:00
882388003	LKLS-002E	Water	05/01/07 00:00	05/02/07 00:00
883288004	HTPS-001E	Water	05/01/07 00:00	05/02/07 00:00
883288005	HTPS-002E	Water	05/01/07 00:00	05/02/07 00:00
883288006	DUPS-003	Water	05/01/07 00:00	05/02/07 00:00

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SAMPLE ANALYTE COUNT

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

Lab ID	Sample ID	Method	Analytes Reported
883288001	FBKS-003	EPA 1664 TPH	1
		EPA 6020	1
883288002	LKLS-001E	EPA 1664 TPH	1
		EPA 6020	1
882388003	LKLS-002E	EPA 1664 TPH	1
		EPA 6020	1
883288004	HTPS-001E	EPA 1664 TPH	1
		EPA 6020	1
883288005	HTPS-002E	EPA 1664 TPH	1
		EPA 6020	1
883288006	DUPS-003	EPA 1664 TPH	1
		EPA 6020	1

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ANALYTICAL RESULTS

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

Sample: FBKS-003 **Lab ID: 883288001** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	ND	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 16:50	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.4	2.5	1		05/11/07 10:44		

Sample: LKLS-001E **Lab ID: 883288002** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.98**	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 16:54	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.3	2.5	1		05/11/07 10:44		

Sample: LKLS-002E **Lab ID: 882388003** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**1.0**	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 16:58	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.5	2.5	1		05/11/07 10:44		

Sample: HTPS-001E **Lab ID: 883288004** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**2.4**	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 17:07	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		05/11/07 10:44		

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ANALYTICAL RESULTS

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

Sample: HTPS-002E **Lab ID: 883288005** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**2.8**	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 17:11	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		05/11/07 10:44		

Sample: DUPS-003 **Lab ID: 883288006** Collected: 05/01/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**2.8**	ug/L	0.10	0.050	1	05/04/07 12:59	05/04/07 17:15	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		05/11/07 10:44		

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QUALITY CONTROL DATA

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

QC Batch: MPRP/8964 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 882388003, 883288001, 883288002, 883288004, 883288005, 883288006

METHOD BLANK: 337507
Associated Lab Samples: 882388003, 883288001, 883288002, 883288004, 883288005, 883288006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 337508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	80.8	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 337509 337510

Parameter	Units	883211001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	0.58	80	80	84.4	85.5	105	106	70-130	1	20	

MATRIX SPIKE SAMPLE: 337511

Parameter	Units	882388003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	1.0	80	81.5	101	70-130	

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QUALITY CONTROL DATA

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

QC Batch: WET/9659
QC Batch Method: EPA 1664 TPH
Analysis Method: EPA 1664 TPH
Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 882388003, 883288001, 883288002, 883288004, 883288005, 883288006

METHOD BLANK: 340315
Associated Lab Samples: 882388003, 883288001, 883288002, 883288004, 883288005, 883288006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 340316 340317

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	27.5	23.3	138	116	64-132	17	34	L1

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 883288 FOTH & VAN DYKE
Pace Project No.: 1050965

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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April 10, 2007

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Thieschafer

julie.thieschafer@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Lab ID	Sample ID	Matrix	Date Collected	Date Received
882218001	WLDS-001SE	Water	04/02/07 00:00	04/04/07 09:00
882218002	WBRS-003	Water	04/02/07 00:00	04/04/07 09:00
882218003	DUP-001	Water	04/02/07 00:00	04/04/07 09:00
882218004	MBRS-001	Water	04/02/07 00:00	04/04/07 09:00
882218005	EBRS-001	Water	04/02/07 00:00	04/04/07 09:00
882218006	WBRS-002	Water	04/02/07 00:00	04/04/07 09:00
882218007	WBRS-001	Water	04/02/07 00:00	04/04/07 09:00
882218009	FBKS-001	Water	04/02/07 00:00	04/04/07 09:00

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SAMPLE ANALYTE COUNT

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Lab ID	Sample ID	Method	Analytes Reported
882218001	WLDS-001SE	EPA 1664 TPH	1
		EPA 6020	1
882218002	WBRS-003	EPA 1664 TPH	1
		EPA 6020	1
882218003	DUP-001	EPA 1664 TPH	1
		EPA 6020	1
882218004	MBRS-001	EPA 1664 TPH	1
		EPA 6020	1
882218005	EBRS-001	EPA 1664 TPH	1
		EPA 6020	1
882218006	WBRS-002	EPA 1664 TPH	1
		EPA 6020	1
882218007	WBRS-001	EPA 1664 TPH	1
		EPA 6020	1
882218009	FBKS-001	EPA 1664 TPH	1
		EPA 6020	1

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ANALYTICAL RESULTS

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Sample: WLDS-001SE **Lab ID: 882218001** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.41**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:01	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		04/10/07 08:46		

Sample: WBRS-003 **Lab ID: 882218002** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.74**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:05	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**15.3**	mg/L	5.3	2.5	1		04/10/07 08:46		

Sample: DUP-001 **Lab ID: 882218003** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.71**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:10	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**13.8**	mg/L	5.3	2.5	1		04/10/07 08:46		

Sample: MBRS-001 **Lab ID: 882218004** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.71**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:14	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**6.1**	mg/L	5.1	2.4	1		04/10/07 08:46		

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ANALYTICAL RESULTS

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Sample: EBRS-001 **Lab ID: 882218005** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.88**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:18	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**7.5**	mg/L	5.2	2.4	1		04/10/07 08:46		

Sample: WBRS-002 **Lab ID: 882218006** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.63**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:22	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**8.9**	mg/L	5.4	2.5	1		04/10/07 08:46		

Sample: WBRS-001 **Lab ID: 882218007** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.45**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:26	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**7.5**	mg/L	5.4	2.5	1		04/10/07 08:46		

Sample: FBKS-001 **Lab ID: 882218009** Collected: 04/02/07 00:00 Received: 04/04/07 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.14**	ug/L	0.053	0.016	1	04/04/07 13:52	04/05/07 13:31	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**8.2**	mg/L	5.2	2.4	1		04/10/07 08:46		

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QUALITY CONTROL DATA

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

QC Batch: MPRP/8704 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 882218001, 882218002, 882218003, 882218004, 882218005, 882218006, 882218007, 882218009

METHOD BLANK: 326251
Associated Lab Samples: 882218001, 882218002, 882218003, 882218004, 882218005, 882218006, 882218007, 882218009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	0.061	0.053	

LABORATORY CONTROL SAMPLE: 326252

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	78.3	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 326253 326254

Parameter	Units	882218001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	0.41	80	80	73.1	80.1	91	100	70-130	9	20	

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QUALITY CONTROL DATA

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

QC Batch: WET/9300 Analysis Method: EPA 1664 TPH
QC Batch Method: EPA 1664 TPH Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 882218001, 882218002, 882218003, 882218004, 882218005, 882218006, 882218007, 882218009

METHOD BLANK: 327559
Associated Lab Samples: 882218001, 882218002, 882218003, 882218004, 882218005, 882218006, 882218007, 882218009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 327560 327561

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	24.7	21.7	124	108	64-132	13	34	

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QUALIFIERS

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.

BATCH QUALIFIERS

Batch: WET/9300

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 882218 FOTH & VAN DYKE
Pace Project No.: 1049151

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
882218001	WLDS-001SE	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218002	WBRS-003	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218003	DUP-001	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218004	MBRS-001	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218005	EBRS-001	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218006	WBRS-002	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218007	WBRS-001	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218009	FBKS-001	EPA 3020	MPRP/8704	EPA 6020	ICPM/3628
882218001	WLDS-001SE	EPA 1664 TPH	WET/9300		
882218002	WBRS-003	EPA 1664 TPH	WET/9300		
882218003	DUP-001	EPA 1664 TPH	WET/9300		
882218004	MBRS-001	EPA 1664 TPH	WET/9300		
882218005	EBRS-001	EPA 1664 TPH	WET/9300		
882218006	WBRS-002	EPA 1664 TPH	WET/9300		
882218007	WBRS-001	EPA 1664 TPH	WET/9300		
882218009	FBKS-001	EPA 1664 TPH	WET/9300		

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April 10, 2007

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Thieschafer

julie.thieschafer@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

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Phone: (612)607-1700
Fax: (612)607-6444

SAMPLE SUMMARY

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Lab ID	Sample ID	Matrix	Date Collected	Date Received
882295001	MERS-001	Water	04/03/07 00:00	04/05/07 09:05
882295002	MERS-002	Water	04/03/07 00:00	04/05/07 09:05
882295003	MERS-003	Water	04/03/07 00:00	04/05/07 09:05
882295004	DUP-002	Water	04/03/07 00:00	04/05/07 09:05
882295006	FBKS-002	Water	04/03/07 00:00	04/05/07 09:05

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SAMPLE ANALYTE COUNT

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Lab ID	Sample ID	Method	Analytes Reported
882295001	MERS-001	EPA 1664 TPH	1
		EPA 6020	1
882295002	MERS-002	EPA 1664 TPH	1
		EPA 6020	1
882295003	MERS-003	EPA 1664 TPH	1
		EPA 6020	1
882295004	DUP-002	EPA 1664 TPH	1
		EPA 6020	1
882295006	FBKS-002	EPA 1664 TPH	1
		EPA 6020	1

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ANALYTICAL RESULTS

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Sample: MERS-001 **Lab ID: 882295001** Collected: 04/03/07 00:00 Received: 04/05/07 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.35**	ug/L	0.053	0.016	1	04/05/07 18:51	04/06/07 12:00	7439-93-2	M0
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**10.1**	mg/L	5.2	2.4	1		04/10/07 08:46		

Sample: MERS-002 **Lab ID: 882295002** Collected: 04/03/07 00:00 Received: 04/05/07 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.36**	ug/L	0.053	0.016	1	04/05/07 18:51	04/06/07 12:17	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**6.8**	mg/L	5.6	2.6	1		04/10/07 08:46		

Sample: MERS-003 **Lab ID: 882295003** Collected: 04/03/07 00:00 Received: 04/05/07 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.37**	ug/L	0.053	0.016	1	04/05/07 18:51	04/06/07 12:21	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**6.4**	mg/L	5.1	2.3	1		04/10/07 08:46		

Sample: DUP-002 **Lab ID: 882295004** Collected: 04/03/07 00:00 Received: 04/05/07 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.36**	ug/L	0.053	0.016	1	04/05/07 18:51	04/06/07 12:26	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		04/10/07 08:46		

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ANALYTICAL RESULTS

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Sample: FBKS-002 **Lab ID: 882295006** Collected: 04/03/07 00:00 Received: 04/05/07 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.14**	ug/L	0.053	0.016	1	04/05/07 18:51	04/06/07 12:30	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	**5.8**	mg/L	5.2	2.4	1		04/10/07 08:46		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

QC Batch: MPRP/8721 Analysis Method: EPA 6020
QC Batch Method: EPA 3020 Analysis Description: 6020 MET
Associated Lab Samples: 882295001, 882295002, 882295003, 882295004, 882295006

METHOD BLANK: 326930
Associated Lab Samples: 882295001, 882295002, 882295003, 882295004, 882295006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.053	

LABORATORY CONTROL SAMPLE: 326931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	84.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 326932 326933

Parameter	Units	882295001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	0.35	80	80	95.6	106	119	133	70-130	11	20	M0

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QUALITY CONTROL DATA

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

QC Batch: WET/9300
QC Batch Method: EPA 1664 TPH
Analysis Method: EPA 1664 TPH
Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 882295001, 882295002, 882295003, 882295004, 882295006

METHOD BLANK: 327559
Associated Lab Samples: 882295001, 882295002, 882295003, 882295004, 882295006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 327560 327561

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	24.7	21.7	124	108	64-132	13	34	

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QUALIFIERS

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.

BATCH QUALIFIERS

Batch: WET/9300

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 882295 FOTH & VAN DYKE
Pace Project No.: 1049274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
882295001	MERS-001	EPA 3020	MPRP/8721	EPA 6020	ICPM/3631
882295002	MERS-002	EPA 3020	MPRP/8721	EPA 6020	ICPM/3631
882295003	MERS-003	EPA 3020	MPRP/8721	EPA 6020	ICPM/3631
882295004	DUP-002	EPA 3020	MPRP/8721	EPA 6020	ICPM/3631
882295006	FBKS-002	EPA 3020	MPRP/8721	EPA 6020	ICPM/3631
882295001	MERS-001	EPA 1664 TPH	WET/9300		
882295002	MERS-002	EPA 1664 TPH	WET/9300		
882295003	MERS-003	EPA 1664 TPH	WET/9300		
882295004	DUP-002	EPA 1664 TPH	WET/9300		
882295006	FBKS-002	EPA 1664 TPH	WET/9300		

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May 15, 2007

Client Services
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302

RE: Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

Dear Client Services:
Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Thieschafer

julie.thieschafer@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

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REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

Lab ID	Sample ID	Matrix	Date Collected	Date Received
883369001	FBKS-004	Water	05/02/07 00:00	05/02/07 00:00
883369002	WLDS-002	Water	05/02/07 00:00	05/02/07 00:00
883369003	HMP-001E	Water	05/02/07 00:00	05/02/07 00:00
883369004	WLDS-003	Water	05/02/07 00:00	05/02/07 00:00
883369005	DUPS-004	Water	05/02/07 00:00	05/02/07 00:00

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SAMPLE ANALYTE COUNT

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

Lab ID	Sample ID	Method	Analytes Reported
883369001	FBKS-004	EPA 1664 TPH	1
		EPA 6020	1
883369002	WLDS-002	EPA 1664 TPH	1
		EPA 6020	1
883369003	HMP-001E	EPA 1664 TPH	1
		EPA 6020	1
883369004	WLDS-003	EPA 1664 TPH	1
		EPA 6020	1
883369005	DUPS-004	EPA 1664 TPH	1
		EPA 6020	1

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ANALYTICAL RESULTS

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

Sample: FBKS-004 Lab ID: 883369001 Collected: 05/02/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.10**	ug/L	0.10	0.050	1	05/09/07 13:58	05/10/07 11:04	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.1	2.3	1		05/11/07 10:44		

Sample: WLDS-002 Lab ID: 883369002 Collected: 05/02/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.15**	ug/L	0.10	0.050	1	05/09/07 13:58	05/10/07 16:14	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	2.4	1		05/11/07 10:44		

Sample: HMP-001E Lab ID: 883369003 Collected: 05/02/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**3.2**	ug/L	0.10	0.050	1	05/09/07 13:58	05/10/07 16:18	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.5	2.5	1		05/11/07 10:44		

Sample: WLDS-003 Lab ID: 883369004 Collected: 05/02/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.16**	ug/L	0.10	0.050	1	05/09/07 13:58	05/10/07 16:22	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.3	2.4	1		05/11/07 10:44		

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nelac

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ANALYTICAL RESULTS

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

Sample: DUPS-004 **Lab ID: 883369005** Collected: 05/02/07 00:00 Received: 05/02/07 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Lithium	**0.15**	ug/L	0.10	0.050	1	05/09/07 13:58	05/10/07 16:27	7439-93-2	
1664 SGT-HEM, TPH	Analytical Method: EPA 1664 TPH								
Total Petroleum Hydrocarbons	ND	mg/L	5.6	2.6	1		05/11/07 10:44		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

QC Batch: MPRP/8994 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 883369001, 883369002, 883369003, 883369004, 883369005

METHOD BLANK: 338860
Associated Lab Samples: 883369001, 883369002, 883369003, 883369004, 883369005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lithium	ug/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 338861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	80	83.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 338862 338863

Parameter	Units	883369001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	ug/L	0.10	80	80	83.2	82.4	104	103	70-130	1	20	

MATRIX SPIKE SAMPLE: 338864

Parameter	Units	6022321001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lithium	ug/L	13.3	80	98.7	107	70-130	

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QUALITY CONTROL DATA

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

QC Batch: WET/9659
QC Batch Method: EPA 1664 TPH
Analysis Method: EPA 1664 TPH
Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 883369001, 883369002, 883369003, 883369004, 883369005

METHOD BLANK: 340315
Associated Lab Samples: 883369001, 883369002, 883369003, 883369004, 883369005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE & LCSD: 340316 340317

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	27.5	23.3	138	116	64-132	17	34	L1

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QUALIFIERS

Project: 883369 FOTH & VAN DYKE
Pace Project No.: 1051189

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co Project # 882218

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Poly Ziplock

Thermometer Used JB Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.0°C 2.0°C 0°C 2.0°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/3/07 GD LM 4-3-07

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. NO_2, NO_3, Turbidity
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11. #009 doesn't have volume for
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SW/W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, D&G, WI-DRO (water)	☐Yes ☐No	Initial when completed GD / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: (11) dis TOC. Bottle Listing says 2 - We rec'd 1. 4oz Amber H_2SO_4

Project Manager Review: AH for TN **Date:** 5/29/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 023464

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other NAOH+Zn

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	MOT MI
Project Contact:	J. Kesy FVD
Phone:	
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Maracini Richard Eagle Kamran Syed
Sampled By (Sign):	
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	F.V.D.
Mail To Address:	Green Bay WI
Invoice To Contact:	
Invoice To Company:	FVD
Invoice To Address:	Same
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: 250ml poly	3-40 ml	4-40 ml	1L Poly 4-500ml poly 1-250ml 1-500ml glass	2-500ml poly 1-250ml poly	1-250ml poly	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				Y	N	N	N	N	N			
	PRESERVATION (CODE)*				C	B	C	A	D	J			
001	WLDS-001SE	4/2/07	1135	SW	1	4	2	4	3	1			
002	WBRS-003	↓	1052	↓	1	4	2	4	3	1			
003	DUP-001	↓	—	↓	1	4	2	4	3	1			
004	MBRS-001	↓	0905	↓	1	4	2	4	3	1			
005	EBRS-001	↓	0950	↓	1	4	2	4	3	1			
006	WBRS-002	↓	1225	↓	1	4	2	4	3	1			
007	WBRS-001	↓	1308	↓	1	4	2	4	3	1			
008	TRIP BLANK 1	↓	—	W		2-40ml							
009	FBKS-001	↓	1000	W		4	2	4	3	1			

See Amber Parameter FVD List

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard Eagle	4/2/07 1600		
Fedex		[illegible signature]	4-3-07 1010

PACE Project No. 882218

Receipt Temp = 0°C 2.0°C 1.0°C 4.0°C

Sample Receipt pH: (OK) Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06 ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Co. Project # 882295

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Zip Lock

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 2.0, 1.5, +3.5 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/4/07 CG

Comments:

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. Turbidity, Nitrate, Nitrite
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-includes date/time/ID/Analysis Matrix: SW/W				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed CG / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 5/29/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	Mqt MI
Project Contact:	J. Kesy FVD
Phone:	
Project Number:	
Project Name:	Humboldt M.W
Project State:	MI
Sampled By (Print):	Andrew Maracini, Richard Engle, Kamran Syed, Richard Engle
Sampled By (Sign):	
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 023465

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other NaOH Zn Abby

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	Foth & Van Dyke
Mail To Address:	Green Bay, WI
Invoice To Contact:	
Invoice To Company:	FVD
Invoice To Address:	Same
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested								CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)						Y	N	N	N	N	N				
PRESERVATION (CODE)*						C	D	C	A	B	J				
001	MERS-001	4/3/07	1230	SW		1	3	2	4	4	1		1tr ag B, 500ml g A, 1tr p A, 500ml p A, 2-500ml p D, 250ml p A, 3-250ml p T.D.C., 2-4oz ag C, 3-40ml B		
002	MERS-002		1025			1	3	2	4	4	1				
003	MERS-003		0845			1	3	2	4	4	1				
004	DUP-002		—			1	3	2	4	4	1				
005	TRIP BLANK 2		—	W			2							2-40 ml B	
006	FBKS-002		0900	W			3	2	4	4	1			minus 1-4oz ag C	

Analyses Requested: See FVD Parameter List

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard Engle	4/3/07 1700	FedEx	
FedEx	4/4/07 10:20	[signature]	4/4/07 10:20

PACE Project No. 882295

Receipt Temp = 2.0, 1.5 °C +3.5

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

Client Name: NORTH JACKSON Co Project # 883288

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Ziploc Poly

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.0°C 3.0°C 4.0°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/2/07 GD CG 5/2/07

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. TURBIDITY, NO_2, NO_3
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SW, W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed GD Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: #001 rec'd only 1-4oz ag H_2SO_4 CG 5-2-07

Project Manager Review: AH for TN **Date:** 5/29/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 023466

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other ZnAc, NaOH

(Please Print Clearly)	
Company Name:	North Jackson Co
Branch/Location:	Marquette, MI
Project Contact:	
Phone:	906-225-6787
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Margacin / Richard Eagle
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	FVD
Mail To Address:	Green Bay, WI
Invoice To Contact:	SAME
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: 1L Poly 1-500ml poly 1-250ml poly	3-40ml vol	1-250ml poly	1-4oz amber	1-4oz amber	2-500ml poly	1-250ml poly NaOH ZnAc List			CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	Y/N				N	N	N	Y	N	N						
	Pick Letter				A	B	C	C	D	J						
001	FBKS-003	5/1/07	0900	W	4	4	2	1	3	1						
002	LKLS-001E		1300	SW	4	4	2	1	3	1						
003	LKLS-002E		1240		4	4	2	1	3	1						
004	HTPS-001E		1040		4	4	2	1	3	1						
005	HTPS-002E		0910		4	4	2	1	3	1						
006	DUPS-003		—		4	4	2	1	3	1						
007	TRIP Blank	5/1/07	—	W		2-40ml VOA										

FILTERED? (YES/NO) — PRESERVATION (CODE)*

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard Eagle	5/1/07 1600		
FedEx		[signature]	5/2/07 1000

PACE Project No. 883288

Receipt Temp = 3.0 / 1.9 / 4.0 °C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Project # 8833369

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.0, 1.5, 2.5 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5-3-07 CG
cs 5/3/07

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. Nitrate/Nitrite / turbidity
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11. 1-4oz ag H2SO4 @ #002-005 is filtered. CG 5/3/07
Sample Labels match COC:	cs 5/3 ☒Yes ☐No ☐N/A	12. 002 - WLDS-002 listed on
-Includes date/time/ID/Analysis Matrix: W/SW		COC; labeled as WLDS-002E;
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13. #004 - WLDS-003 listed on
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	COC; labeled as WLDS-003E.
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed CG Lot # of added preservative cs 5/3/07
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AA for TN **Date:** 5/29/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

Company Name:	North Jackson Co
Branch/Location:	Marquette, MI
Project Contact:	
Phone:	
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Maraccini, Kamran Syed
Sampled By (Sign):	
PO #:	Regulatory Program:

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

COC No. 023467

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other ZnAc, NaOH

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	FVD
Mail To Address:	Green Bay, WI
Invoice To Contact:	
Invoice To Company:	Same
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested							CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					FILTERED? (YES/NO) Y/N	N	N	Y	N	N	N			
					PRESERVATION (CODE)* Pick Letter	A	B	C	C	D	J			
					See FVD Parameter List									
001	FBKS-004	5/2/07	0800	W		4	4		2	3	1		Ctr ag B, Ctr p A, 500mL p A, 2-500mL p D, 500mL g A, 3-250mL p G, D, C 1-4oz ag C 3-40mL B	
002	WLDS-002E		1415	SW		4	4	1	2	3	1			2-4oz ag C
003	HMP-001E		1010	SW		4	4	1	2	3	1			
004	WLDS-003		1240	SW		4	4	1	2	3	1			
005	DUPS-004		—											

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Maraccini / ~~Richard Boyle~~	5/2/07 1700		
Fedx	5/3/07 1015	Pace	5/3/07 1015

PACE Project No. 883369

Receipt Temp = 20, 1.5, 2.5°C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Pace Analytical®
www.pacelabs.com

Waltz Mill Radiochemistry Lab
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208

May 1, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
882218 Foth & Van Dyke
Pace Project No. 07-2019

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on April 4, 2007 and logged in for analysis on April 5, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2019
CLIENT: 882218 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0704-0276	882218-001 (WLDS-001	0704-0277	882218-002 (WBRS-003
0704-0278	882218-003 (DUP-001)	0704-0279	882218-004 (MBRS-001
0704-0280	882218-005 (EBRS-001	0704-0281	882218-006 (WBRS-002
0704-0282	882218-007 (WBRS-001	0704-0283	882218-009 (FBKS-001

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/1/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

0000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-2019
Groundwater Characterization; 882218 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0704-0276	882218-001 (WLDS-001SE)	(4/2/07)	04/20/07	1.15 ± 0.951	(1.50)
0704-0277	882218-002 (WBRS-003)	(4/2/07)	04/20/07	0.874 ± 0.808	(1.33)
0704-0278	882218-003 (DUP-001)	(4/2/07)	04/27/07	1.59 ± 1.29	(2.16)
0704-0279	882218-004 (MBRS-001)	(4/2/07)	04/20/07	-0.333 ± 0.510	(1.87)
0704-0280	882218-005 (EBRS-001)	(4/2/07)	04/20/07	-0.962 ± 0.484	(2.29)
0704-0281	882218-006 (WBRS-002)	(4/2/07)	04/20/07	0.303 ± 1.17	(2.89)
0704-0282	882218-007 (WBRS-001)	(4/2/07)	04/20/07	1.25 ± 0.980	(1.54)
0704-0283	882218-009 (FBKS-001)	(4/2/07)	04/20/07	0.601 ± 0.749	(1.48)
0704-0284	Method Blank	(4/4/07)	04/20/07	0.004 ± 0.422	(1.28)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Beta EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0704-0276	882218-001 (WLDS-001SE)	(4/2/07)	04/20/07	1.58 ± 0.953	(1.62)
0704-0277	882218-002 (WBRS-003)	(4/2/07)	04/20/07	23.8 ± 5.01	(1.82)
0704-0278	882218-003 (DUP-001)	(4/2/07)	04/27/07	-0.016 ± 1.51	(3.35)
0704-0279	882218-004 (MBRS-001)	(4/2/07)	04/20/07	2.02 ± 1.39	(2.78)
0704-0280	882218-005 (EBRS-001)	(4/2/07)	04/20/07	1.46 ± 1.18	(2.46)
0704-0281	882218-006 (WBRS-002)	(4/2/07)	04/20/07	2.37 ± 1.31	(2.38)
0704-0282	882218-007 (WBRS-001)	(4/2/07)	04/20/07	2.33 ± 1.36	(2.51)
0704-0283	882218-009 (FBKS-001)	(4/2/07)	04/20/07	0.454 ± 1.13	(2.60)
0704-0284	Method Blank	(4/4/07)	04/20/07	0.408 ± 0.849	(1.95)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

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Waltz Mill Radiochemistry Lab
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208

April 25, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Groundwater Characterization
882295 Foth & Van Dyke
Pace Project No. 07-2057

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on April 5, 2007 and logged in for analysis on April 6, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2057
CLIENT: 882295 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0704-0386	882295-001 (MERS-001	0704-0387	882295-002 (MERS-002
0704-0388	882295-003 (MERS-003	0704-0389	882295-004 (DUP-002)
0704-0390	882295-~~005~~ 006 (FBKS-002		

SPL 4/26/07

C: SHIPPING/RECEIVING COMMENTS:

Final Report 4/25/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-2057
Groundwater Characterization; 882295 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0704-0386	882295-001 (MERS-001)	(4/3/07)	04/20/07	0.017 ± 0.538	(1.56)
0704-0387	882295-002 (MERS-002)	(4/3/07)	04/21/07	0.497 ± 0.644	(1.28)
0704-0388	882295-003 (MERS-003)	(4/3/07)	04/21/07	-0.028 ± 0.578	(1.68)
0704-0389	882295-004 (DUP-002)	(4/3/07)	04/21/07	0.628 ± 0.840	(1.77)
0704-0390	882295-~~005~~ 006 (FBKS-002)	(4/3/07)	04/21/07	-0.461 ± 0.287	(1.52)
0704-0391	Method Blank	(4/5/07)	04/20/07	0.004 ± 0.422	(1.28)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

00000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Beta EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0704-0386	882295-001 (MERS-001)	(4/3/07)	04/20/07	0.089 ± 1.20	(2.87)
0704-0387	882295-002 (MERS-002)	(4/3/07)	04/21/07	0.019 ± 0.796	(1.94)
0704-0388	882295-003 (MERS-003)	(4/3/07)	04/21/07	0.558 ± 0.775	(1.71)
0704-0389	882295-004 (DUP-002)	(4/3/07)	04/21/07	0.501 ± 0.902	(2.02)
0704-0390	882295-~~005~~ 006 (FBKS-002)	(4/3/07)	04/21/07	0.280 ± 0.826	(1.97)
0704-0391	Method Blank	(4/5/07)	04/20/07	0.408 ± 0.849	(1.95)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

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May 18, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Water/Groundwater Characterization
883288 Foth & Van Dyke
Pace Project No. 07-2473

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on May 3, 2007 and logged in for analysis on May 4, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2473
CLIENT: 883288 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0705-0227	FBKS-003	0705-0228	LKLS-001E
0705-0229	LKLS-002E	0705-0230	HTPS-001E
0705-0231	HTPS-02E	0705-0232	DUPS-003

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/18/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-2473
Water Characterization; 883288 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0705-0227	FBKS-003	(5/1/07)	05/16/07	0.489 ± 0.733	(1.58)
0705-0228	LKLS-001E	(5/1/07)	05/16/07	0.372 ± 0.762	(1.77)
0705-0229	LKLS-002E	(5/1/07)	05/16/07	0.098 ± 0.624	(1.67)
0705-0230	HTPS-001E	(5/1/07)	05/16/07	1.20 ± 0.918	(1.36)
0705-0231	HTPS-02E	(5/1/07)	05/16/07	1.01 ± 0.932	(1.67)
0705-0232	DUPS-003	(5/1/07)	05/16/07	0.017 ± 0.532	(1.55)
0705-0233	Method Blank	(5/3/07)	05/16/07	0.407 ± 0.664	(1.46)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0705-0227	FBKS-003	(5/1/07)	05/16/07	0.598 ± 0.869	(1.90)
0705-0228	LKLS-001E	(5/1/07)	05/16/07	0.962 ± 0.922	(1.90)
0705-0229	LKLS-002E	(5/1/07)	05/16/07	1.58 ± 1.08	(2.08)
0705-0230	HTPS-001E	(5/1/07)	05/16/07	3.00 ± 1.26	(1.86)
0705-0231	HTPS-02E	(5/1/07)	05/16/07	1.17 ± 0.928	(1.79)
0705-0232	DUPS-003	(5/1/07)	05/16/07	2.64 ± 1.22	(1.96)
0705-0233	Method Blank	(5/3/07)	05/16/07	0.165 ± 0.750	(1.78)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Quality Control Sample Performance Assessment

5/18/07

Test:	Gross Alpha
Analyst:	ELS
Date:	5/17/2007
Worklist:	14593
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.407
M/B 2 Sigma CSU:	0.664
MB MDC:	1.461
MB Numerical Performance Indicator:	1.20
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	5/16/2007	5/16/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	44.224	36.226
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	9.258	7.810
Numerical Performance Indicator:	-0.37	-2.33
Percent Recovery:	96.04%	78.67%
Status vs Numerical Indicator:	Pass	Warning
Status vs Recovery:	N/A	N/A

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/4/2007
Sample I.D.	0705-0293
Sample MS I.D.	0705-0293MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.095
MS Target Conc.(pCi/L, g, F):	193.867
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	11.401
Sample Result:	0.339
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.342
Sample Matrix Spike Result:	205.858
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	43.235
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	0.510
MSD Numerical Performance Indicator:	
MS Percent Recovery:	106.00%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Duplicate Sample Assessment

Sample I.D.:	14593 LCS
Duplicate Sample I.D.	14593 LCSDUP
Sample Result (pCi/L, g, F):	44.224
Sample Result 2 Sigma CSU (pCi/L, g, F):	9.258
Sample Duplicate Result (pCi/L, g, F):	36.226
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	7.810
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	1.294
Duplicate RPD:	19.88%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

9000006

QA Assessment Spreadsheet
PACE Analytical Services
Waltz Mill Laboratory

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Quality Control Sample Performance Assessment

5/18/07

Test:	Gross Beta
Analyst:	ELS
Date:	5/17/2007
Worklist:	14593
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.165
M/B 2 Sigma CSU:	0.750
MB MDC:	1.783
MB Numerical Performance Indicator:	0.43
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	5/16/2007	5/16/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.509	40.509
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.255	20.255
Uncertainty (Calculated):	1.985	1.985
Result (pCi/L, g, F):	17.405	19.618
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	4.077	4.435
Numerical Performance Indicator:	-1.23	-0.26
Percent Recovery:	85.93%	96.86%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A

Duplicate Sample Assessment

Sample I.D.:	14593 LCS
Duplicate Sample I.D.	14593 LCSDUP
Sample Result (pCi/L, g, F):	17.405
Sample Result 2 Sigma CSU (pCi/L, g, F):	4.077
Sample Duplicate Result (pCi/L, g, F):	19.618
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	4.435
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.720
Duplicate RPD:	11.95%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/4/2007
Sample I.D.	0705-0293
Sample MS I.D.	0705-0293MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.541
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.095
MS Target Conc.(pCi/L, g, F):	85.350
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	8.364
Sample Result:	2.013
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.099
Sample Matrix Spike Result:	71.616
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	14.872
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-1.805
MSD Numerical Performance Indicator:	
MS Percent Recovery:	81.55%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

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May 23, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Water/Groundwater Characterization
883369 Foth & Van Dyke
Pace Project No. 07-2538

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received and logged in for analysis on May 8, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS

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PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2538
CLIENT: 883369 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0705-0409	FBKS-004	0705-0410	WLDS-002
0705-0411	HMP-001E	0705-0412	WLDS-003
0705-0413	DUPS-004		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/23/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-2538
Water Characterization; 883369 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Analyzed	Act ± Unc	(MDC)
0705-0409	FBKS-004	(5/2/07)	05/17/07	0.095 ± 0.647	(1.72)
0705-0410	WLDS-002	(5/2/07)	05/17/07	0.284 ± 0.608	(1.43)
0705-0411	HMP-001E	(5/2/07)	05/17/07	1.80 ± 1.33	(2.36)
0705-0412	WLDS-003	(5/2/07)	05/18/07	0.073 ± 0.609	(1.65)
0705-0413	DUPS-004	(5/2/07)	05/18/07	-0.099 ± 0.531	(1.66)
0705-0414	Method Blank	(5/8/07)	05/18/07	0.318 ± 0.520	(1.12)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc (MDC)	
0705-0409	FBKS-004	(5/2/07)	05/17/07	1.17 ± 0.907	(1.77)
0705-0410	WLDS-002	(5/2/07)	05/17/07	-0.211 ± 0.792	(2.02)
0705-0411	HMP-001E	(5/2/07)	05/17/07	7.93 ± 1.85	(1.33)
0705-0412	WLDS-003	(5/2/07)	05/18/07	-0.174 ± 0.740	(1.91)
0705-0413	DUPS-004	(5/2/07)	05/18/07	-0.114 ± 0.807	(2.04)
0705-0414	Method Blank	(5/8/07)	05/18/07	-0.935 ± 0.626	(1.86)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

5000005

Pace Analytical
www.pacelabs.com

Quality Control Sample Performance Assessment

5/23/07

Test:	Gross Alpha
Analyst:	ELS
Date:	5/18/2007
Worklist:	14605
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	0.318
M/B 2 Sigma CSU:	0.520
MB MDC:	1.120
MB Numerical Performance Indicator:	1.20
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	5/18/2007	5/18/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	46.773	43.337
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	9.755	9.095
Numerical Performance Indicator:	0.14	-0.56
Percent Recovery:	101.57%	94.11%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A

Duplicate Sample Assessment

Sample I.D.:	14605 LCS
Duplicate Sample I.D.	14605 LCSDUP
Sample Result (pCi/L, g, F):	46.773
Sample Result 2 Sigma CSU (pCi/L, g, F):	9.755
Sample Duplicate Result (pCi/L, g, F):	43.337
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	9.095
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.505
Duplicate RPD:	7.63%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/9/2007
Sample I.D.	0705-0670
Sample MS I.D.	0705-0670MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	-0.019
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.454
Sample Matrix Spike Result:	87.310
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	17.287
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.516
MSD Numerical Performance Indicator:	
MS Percent Recovery:	94.82%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

9000000

Pace Analytical
www.pacelabs.com

Quality Control Sample Performance Assessment

5/23/07

Test:	Gross Beta
Analyst:	ELS
Date:	5/18/2007
Worklist:	14605
Matrix (DW, W, F, Solid):	GW

Method Blank Assessment

MB concentration:	-0.935
M/B 2 Sigma CSU:	0.626
MB MDC:	1.861
MB Numerical Performance Indicator:	-2.93
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	5/18/2007	5/18/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.504	40.504
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.252	20.252
Uncertainty (Calculated):	1.985	1.985
Result (pCi/L, g, F):	16.050	17.980
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	3.830	4.151
Numerical Performance Indicator:	-1.91	-0.97
Percent Recovery:	79.25%	88.78%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/9/2007
Sample I.D.	0705-0570
Sample MS I.D.	0705-0570MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.528
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.528
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.972
Sample Result:	2.093
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.120
Sample Matrix Spike Result:	38.545
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	7.686
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.898
MSD Numerical Performance Indicator:	
MS Percent Recovery:	89.94%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	N/A
MSD Status vs Recovery:	

Duplicate Sample Assessment

Sample I.D.:	14605 LCS
Duplicate Sample I.D.	14605 LCSDUP
Sample Result (pCi/L, g, F):	16.050
Sample Result 2 Sigma CSU (pCi/L, g, F):	3.830
Sample Duplicate Result (pCi/L, g, F):	17.980
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	4.151
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.670
Duplicate RPD:	11.34%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

May to June 2007
HTDF Water Chemistry
Sediment Chemistry

Batch No.s 884344, 884384

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

July 2, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of surface water, sediment, and associated QC samples for the Humboldt Mill project (06W003). These samples were received on May 31 and June 1, 2007. The samples were assigned to batch numbers 884344 and 884384 for laboratory tracking purposes.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Alex for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 884344

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
884344-001	DUP-001	WATER	05/30/07
884344-002	FBK-001	WATER	05/30/07 09:00
884344-003	HPL-004 3'	WATER	05/30/07 09:50
884344-004	HPL-004 15'	WATER	05/30/07 10:20
884344-005	HPL-004 60'	WATER	05/30/07 10:45
884344-006	HPL-004 120'	WATER	05/30/07 11:00
884344-007	HPL-004 175'	WATER	05/30/07 11:15
884344-008	HPL-003 3'	WATER	05/30/07 12:50
884344-009	HPL-003 15'	WATER	05/30/07 13:20
884344-010	HPL-003 60'	WATER	05/30/07 13:40
884344-011	HPL-003 120'	WATER	05/30/07 14:10
884344-012	HPL-003 175'	WATER	05/30/07 14:25
884344-013	PSED-1	SED	05/29/07 17:30
884344-014	PSED-1D	SED	05/29/07 17:45

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Alle Dn for Tod N

Approval Signature

7/3/07

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUP-001

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	7.0	B 4.4	50	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	8.5	0.10	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.77	B 0.093	1.0	1	ug/L	A	06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.2	0.072	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	94	1.1	10	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.13	B 0.097	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	48000	10	500	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.9	0.059	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.9	0.12	1.0	1	ug/L	A	06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	220	0.15	2.0	1	mg/L		06/07/07 03:16 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	390	2.9	50	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	390	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.090	B 0.044	1.0	1	ug/L	A	06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.3	0.050	0.10	1	ug/L		06/05/07 01:37 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	25000	53	500	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	280	0.080	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.468	B 0.163	0.500	1	ng/L		06/05/07 12:13 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	11	0.12	10	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	17	0.075	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	8400	6.2	500	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

Analytical Report Number: 884344

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUP-001

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	14000	46	500	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.060	B 0.030	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	2.6	B 2.1	10	1	ug/L	A	06/07/07 03:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		05/31/07 05:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	15	B 11	50	1	mg/L		06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 04:52 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.25	B 0.059	0.50	1	mg/L	N	05/31/07 05:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:21 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:30 PM		Anl By: DAW
Nitrogen, Nitrate	2.2	0.085	0.40	1	mg/L		05/31/07 05:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/31/07 05:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	140	5.1	40	10	mg/L		06/01/07 12:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.3	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07		Anl By: GM
TOC as NPOC - Dissolved	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	350	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.0	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.7	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBK-001

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	0.10	U 0.10	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.19	B 0.093	1.0	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	0.18	B 0.072	1.0	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	210	1.1	10	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	13	B 10	500	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	0.059	U 0.059	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.1	0.12	1.0	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		06/07/07 03:53 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	2.9	U 2.9	50	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	26	U 26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.090	B 0.044	1.0	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	0.77	0.050	0.10	1	ug/L		06/05/07 01:54 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	53	U 53	500	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	0.080	U 0.080	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.247	0.163	0.163	1	ng/L		06/05/07 12:05 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	0.12	U 0.12	10	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	0.075	U 0.075	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	39	B 6.2	500	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBK-001

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	2900	46	500	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	2.5	B 2.1	10	1	ug/L	A	06/07/07 03:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	3.9	B 1.1	5.0	1	mg/L		05/31/07 06:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 04:53 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.16	B 0.059	0.50	1	mg/L		05/31/07 06:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:21 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:30 PM		Anl By: DAW
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		05/31/07 06:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/31/07 06:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	1.6	B 0.51	4.0	1	mg/L		05/31/07 06:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
Total Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	12	U 12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	0.61	U 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	0.69	B 0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 3'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	7.9	0.10	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.86	B 0.093	1.0	1	ug/L	A	06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.1	0.072	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	86	1.1	10	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	48000	100	5000	10	ug/L		06/07/07 05:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.5	0.059	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	2.0	0.12	1.0	1	ug/L	A	06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	220	1.5	20	10	mg/L		06/07/07 05:32 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	410	2.9	50	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	410	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.050	B 0.044	1.0	1	ug/L	A	06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.1	0.050	0.10	1	ug/L		06/05/07 01:59 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	24000	530	5000	10	ug/L		06/07/07 05:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	240	0.080	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.489	B 0.163	0.500	1	ng/L		06/05/07 12:19 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	10	0.12	10	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	14	0.075	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	8200	6.2	500	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.25	B 0.15	1.0	1	ug/L	A	06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 3'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	14000	46	500	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	2.1	U 2.1	10	1	ug/L		06/07/07 02:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	11	1.1	5.0	1	mg/L		05/31/07 06:16 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	31	B 11	50	1	mg/L		06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 04:54 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		05/31/07 06:16 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:22 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:30 PM		Anl By: DAW
Nitrogen, Nitrate	2.0	0.085	0.40	1	mg/L		05/31/07 06:16 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		05/31/07 06:16 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	130	5.1	40	10	mg/L		06/01/07 01:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.6	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.9	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	340	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.6	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.5	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 15'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	7.8	0.10	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.78	B 0.093	1.0	1	ug/L	A	06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.2	0.072	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	87	1.1	10	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	47000	10	500	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.5	0.059	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.9	0.12	1.0	1	ug/L	A	06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	210	0.15	2.0	1	mg/L		06/07/07 04:01 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	460	2.9	50	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	460	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.050	B 0.044	1.0	1	ug/L	A	06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.2	0.050	0.10	1	ug/L		06/05/07 02:03 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	24000	53	500	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	250	0.080	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.626	0.163	0.500	1	ng/L		06/05/07 12:34 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	10	0.12	10	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	13	0.075	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	7800	6.2	500	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 15'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	13000	46	500	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	2.1	U 2.1	10	1	ug/L		06/07/07 04:01 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		06/01/07 01:15 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 04:55 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.25	B 0.059	0.50	1	mg/L		06/01/07 01:15 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:23 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:30 PM		Anl By: DAW
Nitrogen, Nitrate	2.0	0.085	0.40	1	mg/L	H	06/01/07 01:15 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 01:15 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	130	5.1	40	10	mg/L		06/01/07 01:30 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.5	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	340	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.4	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.7	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 60'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	8.4	0.10	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.62	B 0.093	1.0	1	ug/L	A	06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.1	0.072	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	88	1.1	10	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	47000	10	500	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.9	0.059	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.8	0.12	1.0	1	ug/L	A	06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	220	0.15	2.0	1	mg/L		06/07/07 04:08 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	380	2.9	50	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	380	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.4	0.050	0.10	1	ug/L		06/05/07 02:15 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	24000	53	500	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	280	0.080	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.546	0.163	0.500	1	ng/L		06/05/07 12:39 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	11	0.12	10	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	17	0.075	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	8300	6.2	500	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 60'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	14000	46	500	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.2	B 2.1	10	1	ug/L	A	06/07/07 04:08 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		06/01/07 01:44 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	50	1	mg/L		06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 04:59 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.25	B 0.059	0.50	1	mg/L		06/01/07 01:44 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:27 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.2	0.085	0.40	1	mg/L	H	06/01/07 01:44 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 01:44 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	140	5.1	40	10	mg/L		06/01/07 01:58 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.2	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	340	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.0	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.8	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

Analytical Report Number: 884344

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 120'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	35	0.10	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.38	B 0.093	1.0	1	ug/L	A	06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.8	0.072	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	140	1.1	10	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	50000	100	5000	10	ug/L		06/07/07 06:56 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	16	0.059	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	2.7	0.12	1.0	1	ug/L	A	06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	240	1.5	20	10	mg/L		06/07/07 06:56 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	200	2.9	50	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	200	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.6	0.050	0.10	1	ug/L		06/05/07 02:20 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	29000	530	5000	10	ug/L		06/07/07 06:56 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	1300	0.080	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.344	B 0.163	0.500	1	ng/L		06/05/07 12:45 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	44	0.12	10	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	210	0.075	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	17000	6.2	500	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 120'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	28000	46	500	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.3	B 2.1	10	1	ug/L	A	06/07/07 04:16 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	140	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	22	1.1	5.0	1	mg/L		06/01/07 02:12 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	53	1	mg/L	N	06/01/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/01/07		Anl By: rsha
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:00 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.32	B 0.059	0.50	1	mg/L		06/01/07 02:12 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	2.9	0.50	1.0	1	mg/L		06/06/07 05:30 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.6	0.085	0.40	1	mg/L	H	06/01/07 02:12 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 02:12 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	160	5.1	40	10	mg/L		06/01/07 03:09 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.6	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	2.1	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	140	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	430	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	0.61	U 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	0.63	B 0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 175'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	42	0.10	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.52	B 0.093	1.0	1	ug/L	A	06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	12	0.072	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	170	1.1	10	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	50000	10	500	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	22	0.059	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	3.5	0.12	1.0	1	ug/L	A	06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	250	0.15	2.0	1	mg/L		06/07/07 04:24 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	250	2.9	50	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	250	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.16	B 0.044	1.0	1	ug/L	A	06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.7	0.050	0.10	1	ug/L		06/05/07 02:24 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	30000	53	500	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	2200	0.080	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.445	B 0.163	0.500	1	ng/L		06/05/07 12:51 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	65	0.12	10	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	280	0.075	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	21000	6.2	500	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-004 175'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	34000	46	500	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.5	B 2.1	10	1	ug/L	A	06/07/07 04:24 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	160	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	26	1.1	5.0	1	mg/L		06/01/07 03:23 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	13	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0073	B 0.0060	0.020	1	mg/L		06/05/07 05:00 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.36	B 0.059	0.50	1	mg/L		06/01/07 03:23 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	4.9	0.50	1.0	1	mg/L		06/06/07 05:31 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	1.4	0.085	0.40	1	mg/L	H	06/01/07 03:23 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 03:23 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	170	5.1	40	10	mg/L		06/01/07 03:37 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.5	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	2.0	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	160	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	450	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	0.80	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	1.7	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 3'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	7.8	0.10	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.73	B 0.093	1.0	1	ug/L	A	06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.1	0.072	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	85	1.1	10	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	47000	10	500	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.6	0.059	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.9	0.12	1.0	1	ug/L	A	06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	220	0.15	2.0	1	mg/L		06/07/07 04:32 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	420	2.9	50	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	420	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.4	0.050	0.10	1	ug/L		06/05/07 02:28 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	24000	53	500	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	250	0.080	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.366	B 0.163	0.500	1	ng/L		06/05/07 01:08 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	10	0.12	10	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	14	0.075	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	8100	6.2	500	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 3'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	13000	46	500	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	2.2	B 2.1	10	1	ug/L	A	06/07/07 04:32 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		06/01/07 03:51 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	13	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:01 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		06/01/07 03:51 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:31 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.0	0.085	0.40	1	mg/L	H	06/01/07 03:51 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 03:51 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	130	5.1	40	10	mg/L		06/01/07 04:06 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.0	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.9	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	330	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.4	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.6	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 15'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	11	B 4.4	50	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	7.7	0.10	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.75	B 0.093	1.0	1	ug/L	A	06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	7.9	0.072	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	82	1.1	10	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	46000	10	500	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.5	0.059	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.8	0.12	1.0	1	ug/L	A	06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	210	0.15	2.0	1	mg/L		06/07/07 04:39 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	450	2.9	50	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	450	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.5	0.050	0.10	1	ug/L		06/05/07 02:32 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	23000	53	500	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	250	0.080	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.353	B 0.163	0.500	1	ng/L		06/05/07 01:13 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	10	0.12	10	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	13	0.075	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	7800	6.2	500	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	B 0.15	1.0	1	ug/L	A	06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 15'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	13000	46	500	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.6	B 2.1	10	1	ug/L	A	06/07/07 04:39 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		06/01/07 04:20 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	13	B .11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:02 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		06/01/07 04:20 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:32 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.0	0.085	0.40	1	mg/L	H	06/01/07 04:20 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 04:20 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	130	5.1	40	10	mg/L		06/01/07 04:34 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.2	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	2.3	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	330	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.4	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.8	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 60'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	8.5	0.10	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.58	B 0.093	1.0	1	ug/L	A	06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.2	0.072	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	87	1.1	10	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	48000	10	500	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	3.9	0.059	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	1.8	0.12	1.0	1	ug/L	A	06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	220	0.15	2.0	1	mg/L		06/07/07 04:47 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	390	2.9	50	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	390	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.4	0.050	0.10	1	ug/L		06/05/07 02:37 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	24000	53	500	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	280	0.080	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.322	B 0.163	0.500	1	ng/L		06/05/07 01:23 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	11	0.12	10	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	17	0.075	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	8200	6.2	500	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 60'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	14000	46	500	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.5	B 2.1	10	1	ug/L	A	06/07/07 04:47 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	12	1.1	5.0	1	mg/L		06/01/07 04:48 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	28	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:04 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.25	B 0.059	0.50	1	mg/L		06/01/07 04:48 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/06/07 05:33 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.2	0.085	0.40	1	mg/L	H	06/01/07 04:48 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 04:48 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	140	5.1	40	10	mg/L		06/01/07 05:02 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.6	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.7	B 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	340	12	20	1	mg/L		06/02/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/02/07		Anl By: DEY
Total Suspended Solids	1.0	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	2.4	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 120'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-011

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	35	0.10	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.34	B 0.093	1.0	1	ug/L	A	06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	8.9	0.072	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	130	1.1	10	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	49000	10	500	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	16	0.059	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	2.7	0.12	1.0	1	ug/L	A	06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	240	0.15	2.0	1	mg/L		06/07/07 04:55 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	190	2.9	50	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	190	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.7	0.050	0.10	1	ug/L		06/05/07 02:41 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	28000	53	500	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	1300	0.080	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.499	B 0.163	0.500	1	ng/L		06/05/07 01:29 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	45	0.12	10	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	210	0.075	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	17000	6.2	500	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 120'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-011

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	27000	46	500	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	3.2	B 2.1	10	1	ug/L	A	06/07/07 04:55 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	140	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	22	1.1	5.0	1	mg/L		06/01/07 05:59 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	62	11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:05 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.32	B 0.059	0.50	1	mg/L		06/01/07 05:59 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	2.8	0.50	1.0	1	mg/L		06/06/07 05:34 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	2.6	0.085	0.40	1	mg/L	H	06/01/07 05:59 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 05:59 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	170	5.1	40	10	mg/L		06/01/07 06:13 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.4	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	140	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	430	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	0.61	U 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	0.90	B 0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 175'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-012

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Antimony	42	0.10	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Arsenic	0.48	B 0.093	1.0	1	ug/L	A	06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Barium	11	0.072	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Boron	150	1.1	10	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Calcium	49000	10	500	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Cobalt	21	0.059	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Copper	3.3	0.12	1.0	1	ug/L	A	06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Hardness	240	0.15	2.0	1	mg/L		06/07/07 05:25 AM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	240	2.9	50	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Iron, Ferric	240	26	50	1	ug/L		06/07/07	3020A/8146	6020B/8146
							Prep Date/Time:		Anl By: DLB
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.11	B 0.044	1.0	1	ug/L	A	06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Lithium	3.6	0.050	0.10	1	ug/L		06/05/07 02:49 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 09:51 AM		Anl By: *PA
Magnesium	29000	53	500	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Manganese	2100	0.080	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Mercury - Low Level	0.459	B 0.163	0.500	1	ng/L		06/05/07 01:34 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/01/07 12:05 PM		Anl By: msb
Molybdenum	61	0.12	10	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Nickel	280	0.075	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Potassium	20000	6.2	500	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HPL-003 175'

Matrix Type : WATER
Collection Date : 05/30/07
Report Date : 06/29/07
Lab Sample Number : 884344-012

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Sodium	32000	46	500	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Zinc	4.7	B 2.1	10	1	ug/L	A	06/07/07 05:25 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/01/07 10:00 AM		Anl By: CCR
Bicarbonate Alkalinity	160	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	26	1.1	5.0	1	mg/L		06/01/07 06:27 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	17	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:06 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.36	B 0.059	0.50	1	mg/L	N	06/01/07 06:27 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	4.5	0.50	1.0	1	mg/L		06/06/07 05:34 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/06/07 02:34 PM		Anl By: DAW
Nitrogen, Nitrate	1.5	0.085	0.40	1	mg/L	H	06/01/07 06:27 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L	H	06/01/07 06:27 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	180	5.1	40	10	mg/L		06/04/07 04:25 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/01/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.4	U 1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	3.0	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	160	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	460	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	0.80	B 0.61	2.0	1	mg/L		06/02/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/02/07		Anl By: DDY
Turbidity	1.1	0.44	1.0	1	NTU		06/01/07 08:45 AM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : PSED-1

Matrix Type : SEDIMENT
Collection Date : 05/29/07
Report Date : 06/29/07
Lab Sample Number : 884344-013

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	24000	17	80	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	16	0.039	0.16	2	mg/Kg		06/12/07 11:47 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	53	0.043	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	11	0.044	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.46	U 0.46	1.6	20	mg/Kg	C	06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	2.8	U 2.8	16	20	mg/Kg	C	06/13/07 01:15 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.49	0.055	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	440	0.79	1.6	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	26	0.51	1.6	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	58	0.71	16	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	39000	20	80	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	56	0.050	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	22	0.17	0.34	1	mg/kg	&	06/06/07 02:32 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 12:45 PM	Anl By: *PA	
Magnesium	39000	44	800	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	440	0.52	16	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.012	B 0.0026	0.016	1	mg/Kg		06/06/07 02:03 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 09:38 AM	Anl By: MSB	
Molybdenum	24	0.45	16	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	220	0.50	16	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.046	U 0.046	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	1.2	0.025	0.080	2	mg/Kg		06/12/07 11:47 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.047	U 0.047	0.16	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	22	0.51	1.6	20	mg/Kg		06/08/07 10:51 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	97	0.63	8.0	2	mg/Kg		06/08/07 09:12 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	62.8	—	—	1	%		06/01/07 07:50 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : PSED-1

Matrix Type : SEDIMENT
Collection Date : 05/29/07
Report Date : 06/29/07
Lab Sample Number : 884344-013

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	8.0	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	9.0	U 9.0	24	1	mg/kg		06/27/07 12:55 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : PSED-1D

Matrix Type : SEDIMENT
Collection Date : 05/29/07
Report Date : 06/29/07
Lab Sample Number : 884344-014

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	23000	17	78	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	15	0.039	0.16	2	mg/Kg		06/12/07 11:18 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	52	0.042	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	10	0.043	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.45	U 0.45	1.6	20	mg/Kg	C	06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	2.7	U 2.7	16	20	mg/Kg	C	06/13/07 01:53 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.45	0.054	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	420	0.78	1.6	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	26	0.50	1.6	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	59	0.70	16	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	39000	20	78	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	55	0.049	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	21	0.15	0.29	1	mg/kg	&	06/06/07 02:36 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/05/07 12:45 PM	Anl By: *PA	
Magnesium	39000	43	780	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	440	0.51	16	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.010	B 0.0026	0.016	1	mg/Kg		06/06/07 02:04 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 09:38 AM	Anl By: MSB	
Molybdenum	24	0.45	16	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	220	0.49	16	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.045	U 0.045	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	1.1	0.024	0.078	2	mg/Kg		06/12/07 11:18 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.046	U 0.046	0.16	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	20	0.50	1.6	20	mg/Kg		06/08/07 11:06 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	92	0.62	7.8	2	mg/Kg		06/08/07 09:27 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	63.8	---	---	1	%		06/01/07 07:50 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884344

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : PSED-1D

Matrix Type : SEDIMENT
Collection Date : 05/29/07
Report Date : 06/29/07
Lab Sample Number : 884344-014

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	8.0	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	9.3	U 9.3	25	1	mg/kg		06/27/07 12:57 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
884344	W-SULF-W	All Samples	Inadequate sample volume received to perform the method required MS/MSD.
884344-	M-AS-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.24 ug/L.
884344-	M-BA-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.17 ug/L.
884344-	M-B-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884344-	M-CA-W	All Samples	A - Analyte is detected in the method blank at a concentration of 30 ug/L.
884344-	M-CU-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.23 ug/L.
884344-	M-PB-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.06 ug/L.
884344-	M-SE-W	All Samples	A - Analyte is detected in the method blank at a concentration of 0.24 ug/L.
884344-	M-ZN-W	All Samples	A - Analyte is detected in the method blank at a concentration of 4.3 ug/L.
884344-004	W-NO2-W	HPL-004 15'	H - Analysis performed 2:55 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-004	W-NO3-W	HPL-004 15'	H - Analysis performed 2:55 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-005	W-NO2-W	HPL-004 60'	H - Analysis performed 2:59 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-005	W-NO3-W	HPL-004 60'	H - Analysis performed 2:59 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-006	W-NO2-W	HPL-004 120'	H - Analysis performed 3:12 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-006	W-NO3-W	HPL-004 120'	H - Analysis performed 3:12 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-007	W-NO2-W	HPL-004 175'	H - Analysis performed 4:08 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-007	W-NO3-W	HPL-004 175'	H - Analysis performed 4:08 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-008	W-NO2-W	HPL-003 3'	H - Analysis performed 3:01 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-008	W-NO3-W	HPL-003 3'	H - Analysis performed 3:01 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-009	W-NO2-W	HPL-003 15'	H - Analysis performed 3:00 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-009	W-NO3-W	HPL-003 15'	H - Analysis performed 3:00 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-010	W-NO2-W	HPL-003 60'	H - Analysis performed 3:08 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-010	W-NO3-W	HPL-003 60'	H - Analysis performed 3:08 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-011	W-NO2-W	HPL-003 120'	H - Analysis performed 3:49 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-011	W-NO3-W	HPL-003 120'	H - Analysis performed 3:49 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.
884344-012	W-NO2-W	HPL-003 175'	H - Analysis performed 4:02 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
884344-012	W-NO3-W	HPL-003 175'	H - Analysis performed 4:021 hours past holding time. Sample initially analyzed within hold, due to CCV failure sample had to be reanalyzed.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	884344-001	884344-002	884344-003	884344-004	884344-005	884344-006	884344-007	884344-008	884344-009	884344-010	884344-011	884344-012	884344-013	884344-014
ALKALINITY, BICARB/CARB/TOTAL	B	B	B	B	B	B	B	B	B	B	B	B		
ALUMINUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ANTIMONY	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ARSENIC	B	B	B	B	B	B	B	B	B	B	B	B	B	B
BARIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
BERYLLIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
BORON	B	B	B	B	B	B	B	B	B	B	B	B	B	B
CADMIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
CALCIUM	B	B	B	B	B	B	B	B	B	B	B	B		
CHLORIDE	B	B	B	B	B	B	B	B	B	B	B	B		
CHROMIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
COBALT	B	B	B	B	B	B	B	B	B	B	B	B	B	B
COD	B	B	B	B	B	B	B	B	B	B	B	B		
COPPER	B	B	B	B	B	B	B	B	B	B	B	B	B	B
CYANIDE, TOTAL	B	B	B	B	B	B	B	B	B	B	B	B		
FLUORIDE	B	B	B	B	B	B	B	B	B	B	B	B		
HARDNESS	B	B	B	B	B	B	B	B	B	B	B	B		
IRON	B	B	B	B	B	B	B	B	B	B	B	B	B	B
IRON, FERRIC	B	B	B	B	B	B	B	B	B	B	B	B		
IRON, FERROUS	B	B	B	B	B	B	B	B	B	B	B	B		
LEAD	B	B	B	B	B	B	B	B	B	B	B	B	B	B
LITHIUM	M	M	M	M	M	M	M	M	M	M	M	M	M	M
MAGNESIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
MANGANESE	B	B	B	B	B	B	B	B	B	B	B	B	B	B
MERCURY													B	B
MERCURY - LOW LEVEL	B	B	B	B	B	B	B	B	B	B	B	B		
MOLYBDENUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
NICKEL	B	B	B	B	B	B	B	B	B	B	B	B	B	B
NITROGEN, AMMONIA	B	B	B	B	B	B	B	B	B	B	B	B		
NITROGEN, NITRATE	B	B	B	B	B	B	B	B	B	B	B	B		
NITROGEN, NITRITE	B	B	B	B	B	B	B	B	B	B	B	B		
PERCENT SOLIDS													B	B
PH, LABORATORY													B	B
POTASSIUM	B	B	B	B	B	B	B	B	B	B	B	B		
SAS	W	W	W	W	W	W	W	W	W	W	W	W		
SELENIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SILVER	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SODIUM	B	B	B	B	B	B	B	B	B	B	B	B		
SOLIDS, TOTAL DISSOLVED	B	B	B	B	B	B	B	B	B	B	B	B		
SOLIDS, TOTAL SUSPENDED	B	B	B	B	B	B	B	B	B	B	B	B		

Test Group Name	884344-001	884344-002	884344-003	884344-004	884344-005	884344-006	884344-007	884344-008	884344-009	884344-010	884344-011	884344-012	884344-013	884344-014
SULFATE	B	B	B	B	B	B	B	B	B	B	B	B		
SULFIDE	B	B	B	B	B	B	B	B	B	B	B	B	C	C
THALLIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
TOC AS NPOC	B	B	B	B	B	B	B	B	B	B	B	B		
TOC AS NPOC - DISSOLVED	B		B	B	B	B	B	B	B	B	B	B		
TURBIDITY	B	B	B	B	B	B	B	B	B	B	B	B		
VANADIUM	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ZINC	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Code	MI Certification
B	Not Certified
C	See Report
M	Not Certified
W	PADEP Recog.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch Number: 884344
Lab Section: METALS
QC Batch Number: 21524
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2207-09	MBWMTG2207-09
MB2	MB2WMTG2207-09	MB2WMTG2207-09
MB3	MB3WMTG2207-09	MB3WMTG2207-09
IPR	IPRWMTG2207-09	IPRWMTG2207-09
OPR	OPRWMTG2207-09	OPRWMTG2207-09
MS	884355-001MS	884355-001MS
MS	HPL-004 15'MS	884344-004MS
MSD	884355-001MSD	884355-001MSD
MSD	HPL-004 15'MSD	884344-004MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
DUP-001	884344-001	FBK-001	884344-002
HPL-004 3'	884344-003	HPL-004 15'	884344-004
HPL-004 60'	884344-005	HPL-004 120'	884344-006
HPL-004 175'	884344-007	HPL-003 3'	884344-008
HPL-003 15'	884344-009	HPL-003 60'	884344-010
HPL-003 120'	884344-011	HPL-003 175'	884344-012

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.3926	0.2503	0.2218	5	5.579	111.6	4.854	97.1	79	121	884344-004	0.63	5.0	5.2	92.2		5.0	4.9	86.0		6.0		75	125	24
Mercury - Low Level											884355-001	3.21	10.0	12.1	88.7		10.0	11.5	82.8		5.0		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 6/29/2007
QC Batch Number: 21524

Pace Analytical®
www.pacelabs.com

Waltz Mill Radiochemistry Lab
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208

June 21, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Water/Groundwater Characterization
884344 Foth & Van Dyke
Pace Project No. 07-2966

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on June 1, 2007 and logged in for analysis on June 4, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2966
CLIENT: 884344 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0706-0051	DUP-001 (884344-003)	0706-0052	FBK-001 (884344-002)
0706-0053	HPL-004 3' (884344-0	0706-0054	HPL-004 15' (884344-
0706-0055	HPL-004 60' (884344-	0706-0056	HPL-004 120' (884344
0706-0057	HPL-004 175' (884344	0706-0058	HPL-003 3' (884344-0
0706-0059	HPL-003 15' (884344-	0706-0060	HPL-003 60' (884344-
0706-0061	HPL-003 120' (884344	0706-0062	HPL-003 175' (884344

C: SHIPPING/RECEIVING COMMENTS:

Final Report 6/21/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-2966
Water Characterization; 884344 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification: Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0706-0051	DUP-001 (884344-003)	(5/30/07)	06/13/07	2.97 ± 1.56	(2.12)
0706-0052	FBK-001 (884344-002)	(5/30/07)	06/14/07	0.214 ± 0.647	(1.61)
0706-0053	HPL-004 3' (884344-003)	(5/30/07)	06/13/07	2.64 ± 1.54	(2.35)
0706-0054	HPL-004 15' (884344-004)	(5/30/07)	06/13/07	1.16 ± 1.35	(2.75)
0706-0055	HPL-004 60' (884344-005)	(5/30/07)	06/13/07	1.52 ± 1.23	(2.18)
0706-0056	HPL-004 120' (884344-006)	(5/30/07)	06/14/07	2.80 ± 1.51	(2.17)
0706-0057	HPL-004 175' (884344-007)	(5/30/07)	06/14/07	3.85 ± 1.89	(2.56)
0706-0058	HPL-003 3' (884344-008)	(5/30/07)	06/14/07	1.67 ± 1.54	(2.81)
0706-0059	HPL-003 15' (884344-009)	(5/30/07)	06/14/07	1.23 ± 1.05	(1.88)
0706-0060	HPL-003 60' (884344-010)	(5/30/07)	06/14/07	2.12 ± 1.23	(1.86)
0706-0061	HPL-003 120' (884344-011)	(5/30/07)	06/14/07	2.42 ± 1.64	(2.84)
0706-0062	HPL-003 175' (884344-012)	(5/30/07)	06/14/07	3.24 ± 1.71	(2.46)
0706-0063	Method Blank	(6/1/07)	06/14/07	-0.295 ± 0.502	(1.73)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0706-0051	DUP-001 (884344-003)	(5/30/07)	06/13/07	8.10 ± 1.95	(1.67)
0706-0052	FBK-001 (884344-002)	(5/30/07)	06/14/07	0.099 ± 0.859	(2.08)
0706-0053	HPL-004 3' (884344-003)	(5/30/07)	06/13/07	8.48 ± 2.00	(1.63)
0706-0054	HPL-004 15' (884344-004)	(5/30/07)	06/13/07	9.46 ± 2.17	(1.65)
0706-0055	HPL-004 60' (884344-005)	(5/30/07)	06/13/07	9.45 ± 2.22	(1.94)
0706-0056	HPL-004 120' (884344-006)	(5/30/07)	06/14/07	15.1 ± 3.14	(1.35)
0706-0057	HPL-004 175' (884344-007)	(5/30/07)	06/14/07	19.0 ± 3.88	(1.43)
0706-0058	HPL-003 3' (884344-008)	(5/30/07)	06/14/07	5.58 ± 1.79	(2.14)
0706-0059	HPL-003 15' (884344-009)	(5/30/07)	06/14/07	7.95 ± 1.86	(1.68)
0706-0060	HPL-003 60' (884344-010)	(5/30/07)	06/14/07	7.91 ± 1.81	(1.44)
0706-0061	HPL-003 120' (884344-011)	(5/30/07)	06/14/07	19.2 ± 3.83	(1.44)
0706-0062	HPL-003 175' (884344-012)	(5/30/07)	06/14/07	21.0 ± 4.20	(1.79)
0706-0063	Method Blank	(6/1/07)	06/14/07	0.632 ± 0.856	(1.90)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

0000005

QA Assessment Spreadsheet
PACE Analytical Services
Waltz Mill Laboratory

Quality Control Sample Performance Assessment

6/21/07

Test:	Gross Beta
Analyst:	ELS
Date:	6/21/2007
Worklist:	14739
Matrix (DW, W, F, Solid):	DW

Method Blank Assessment

MB concentration:	0.632
M/B Counting Uncertainty:	0.856
MB MDC:	1.901
MB Numerical Performance Indicator:	1.45
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	6/14/2007	6/14/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.432	40.432
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.216	20.216
Uncertainty (Calculated):	1.981	1.981
Result (pCi/L, g, F):	20.461	19.396
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	4.642	4.425
Numerical Performance Indicator:	0.10	-0.33
Percent Recovery:	101.21%	95.94%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass

Duplicate Sample Assessment

Sample I.D.:	LCS14739
Duplicate Sample I.D.	LCSD14739
Sample Result (pCi/L, g, F):	20.461
Sample Result Counting Uncertainty (pCi/L, g, F):	4.642
Sample Duplicate Result (pCi/L, g, F):	19.396
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	4.425
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.325
Duplicate RPD:	5.34%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/30/2007
Sample I.D.	0706-0051
Sample MS I.D.	0706-0051MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.472
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.472
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.966
Sample Result:	8.104
Sample Result Counting Uncertainty (pCi/L, g, F):	1.947
Sample Matrix Spike Result:	46.769
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	9.304
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.344
MSD Numerical Performance Indicator:	
MS Percent Recovery:	95.54%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	

DMR 6/21/07

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

QA Assessment Spreadsheet
PACE Analytical Services
Waltz Mill Laboratory

9000000

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Quality Control Sample Performance Assessment

6/21/07

Test:	Gross Alpha
Analyst:	ELS
Date:	6/21/2007
Worklist:	14739
Matrix (DW, W, F, Solid):	DW

Method Blank Assessment

MB concentration:	-0.295
M/B Counting Uncertainty:	0.502
MB MDC:	1.731
MB Numerical Performance Indicator:	-1.15
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	6/14/2007	6/14/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	49.319	52.809
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	10.195	10.887
Numerical Performance Indicator:	0.61	1.18
Percent Recovery:	107.10%	114.68%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass

Duplicate Sample Assessment

Sample I.D.:	LCS14739
Duplicate Sample I.D.	LCSD14739
Sample Result (pCi/L, g, F):	49.319
Sample Result Counting Uncertainty (pCi/L, g, F):	10.195
Sample Duplicate Result (pCi/L, g, F):	52.809
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	10.887
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.459
Duplicate RPD:	6.83%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/30/2007
Sample I.D.	0706-0051
Sample MS I.D.	0706-0051MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	2.973
Sample Result Counting Uncertainty (pCi/L, g, F):	1.556
Sample Matrix Spike Result:	54.464
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	12.044
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
MS Numerical Performance Indicator:	-5.985
MSD Numerical Performance Indicator:	
MS Percent Recovery:	55.91%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	

PMP 6/21/07

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

Sample Condition Upon Receipt

Pace Analytical™

Client Name: Foth & Van Dyke Project # 884344

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☒ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.0 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: LM 5-31-07 / LM 5-31-07

Comments:

				Comments
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☒No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. Nitrates, Nitrites
Rush Turn Around Time Requested:	☒Yes	☐No	☐N/A	7. Per PM TOD for Waters
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W / SED				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed: LM Lot # of added preservative:
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	15.
Trip Blank Present:	☐Yes	☒No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH for TN **Date:** 7/3/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

COC No.

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other = Zn Ac NaOH

(Please Print Clearly)

Company Name:	FOTH & VAN DYKE
Branch/Location:	
Project Contact:	~~KARI PAULSON~~ J Kesy
Phone:	906-225-6787
Project Number:	
Project Name:	HUMBOLDT MILL
Project State:	MI
Sampled By (Print):	Richard Eagle Andrew Maracini
Sampled By (Sign):	Richard Eagle
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	~~KARI PAULSON~~ J.Kesy
Mail To Company:	FOTH & VAN DYKE
Mail To Address:	Green Bay WI
Invoice To Contact:	Same As Above
Invoice To Company:	Same As Above
Invoice To Address:	Same As Above
Invoice To Phone:	Same As Above

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☑ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) PRESERVATION (CODE)*

Analyses Requested: See Foth SW Parameter List

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	N	N	Y	N	N	N			CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Pick Letter	A.	C	C	D	G	J					
001	DUP-001	5/30/07	—	W		4	2	1	3	1	1			Rush	2-1L 3-500mL 5-250mL 2-4oz	
002	FBK-001		0900	W		4	2		3	1	1			per	2-1L 3-500mL 5-250mL 1-4oz	
003	HPL-004 3'		0950	W		~~2~~4	2	1	3	1	1			discussion	2-1L 3-500mL 5-250mL 2-4oz	
004	HPL-004 15'		1020	W		4	2	1	3	1	1			w/TOD		
005	HPL-004 60'		1045	W		4	2	1	3	1	1					
006	HPL-004 120'		1100	W		4	2	1	3	1	1					
007	HPL-004 175'		1115	W		4	2	1	3	1	1					
008	HPL-003 3'		1250	W		4	2	1	3	1	1					
009	HPL-003 15'		1320	W		4	2	1	3	1	1					
010	HPL-003 60'		1340	W		4	2	1	3	1	1					
011	HPL-003 120'		1410	W		4	2	1	3	1	1					
012	HPL-003 175'		1425	W		4	2	1	3	1	1					
				W												

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
- Email #1:
- Email #2:
- Telephone:
- Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
		Fed Ex	
Fed Ex	5-31-07 1000	LaAnne Marth	5-31-07 1000

PACE Project No. 884344

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 08/14/08

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

COC No.

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)

Company Name:	FOTH & VAN DYKE
Branch/Location:	
Project Contact:	~~KARI PAULSON~~ J. Kesy
Phone:	906-225-6787
Project Number:	
Project Name:	HUMBOLDT MILL
Project State:	MI
Sampled By (Print):	Richard Eagle
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	~~KARI PAULSON~~ J. Kesy
Mail To Company:	FOTH & VAN DYKE
Mail To Address:	Green Bay, WI
Invoice To Contact:	Same As Above
Invoice To Company:	Same As Above
Invoice To Address:	Same As Above
Invoice To Phone:	Same As Above

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☑ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) PRESERVATION (CODE)* Y/N	Pick Letter	Metals, pH	Lithium	Sulfide	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	PSED-1	5/29/07	1730	~~SED~~ W			X	X	X	Sediment	3-4oz	
014	PSED-1D	"	1745	~~SED~~ W			X	X	X	Dupl.	↓	
				W								
				W								
				W								
				W								
				W								
				W								
				W								
				W								
				W								
				W								
				W								

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
		Fed Ex	
Fed Ex	5-31-07 1000	Andrew Marlen	5-31-07 1000

PACE Project No. 884344

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 884384

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
884384-001	DUP-002	WATER	05/31/07
884384-002	FBK-002	WATER	05/31/07 10:15
884384-003	HMP-004	WATER	05/31/07 10:30
884384-004	HMPD-004	SED	05/31/07 10:30
884384-005	HMP-005	WATER	05/31/07 15:10
884384-006	HMPD-005	SED	05/31/07 15:10
884384-007	HMP-006	WATER	05/31/07 12:45
884384-008	HMPD-006	SED	05/31/07 12:45
884384-009	HMP-007	WATER	05/31/07 14:15
884384-010	HMPD-007	SED	05/31/07 14:15
884384-011	HMP-009	WATER	05/31/07 11:15
884384-012	HMPD-009	SED	05/31/07 11:15
884384-013	DUPD-002	SED	05/31/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Alec Hn for Tod N — 7/3/07

Approval Signature — Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUP-002

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L	A	06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	0.10	U 0.10	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	6.8	0.093	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	39	0.072	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	58	1.1	10	1	ug/L		06/11/07 03:43 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	37000	10	500	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	3.1	0.059	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	0.35	B 0.12	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	160	0.15	2.0	1	mg/L		06/08/07 03:54 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	4500	2.9	50	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	4500	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.044	U 0.044	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	2.4	0.016	0.053	1	ug/L		06/08/07 04:47 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	17000	53	500	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	900	0.080	10	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	0.396	B 0.163	0.500	1	ng/L		06/13/07 12:52 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	0.46	B 0.12	10	1	ug/L	A	06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	9.3	0.075	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	3800	6.2	500	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUP-002

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	7000	46	500	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	2.1	U 2.1	10	1	ug/L		06/08/07 03:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	83	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	10	1.1	5.0	1	mg/L		06/02/07 02:44 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	55	11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:12 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.21	B 0.059	0.50	1	mg/L	N	06/02/07 02:44 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:23 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:03 AM		Anl By: DAW
Nitrogen, Nitrate	0.25	B 0.085	0.40	1	mg/L		06/02/07 02:44 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 02:44 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	88	1.0	8.0	2	mg/L	N	06/04/07 04:38 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	2.0	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	2.4	1.4	2.0	1	mg/L		06/07/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	83	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	240	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	9.6	0.61	2.0	1	mg/L		06/04/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/04/07		Anl By: rsha
Turbidity	42			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBK-002

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	0.13	B 0.10	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	0.21	B 0.093	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	0.090	B 0.072	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	210	1.1	10	1	ug/L		06/11/07 04:05 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.11	B 0.097	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	10	U 10	500	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	0.059	U 0.059	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	1.0	0.12	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	0.15	U 0.15	2.0	1	mg/L		06/08/07 04:17 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	4.8	B 2.9	50	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	26	U 26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.16	B 0.044	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	0.44	0.016	0.053	1	ug/L		06/08/07 05:12 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	53	U 53	500	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	0.77	B 0.080	10	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	0.235	0.163	0.163	1	ng/L		06/13/07 12:48 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	0.33	B 0.12	10	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	0.11	B 0.075	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	47	B 6.2	500	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.17	B 0.15	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : FBK-002

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.13	B 0.11	0.50	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	2900	46	500	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.050	B 0.030	1.0	1	ug/L	A	06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	2.1	U 2.1	10	1	ug/L		06/08/07 04:17 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	4.3	B 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	4.0	B 1.1	5.0	1	mg/L		06/02/07 03:26 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	11	U 11	53	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:13 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.16	B 0.059	0.50	1	mg/L		06/02/07 03:26 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:24 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:03 AM		Anl By: DAW
Nitrogen, Nitrate	0.085	U 0.085	0.40	1	mg/L		06/02/07 03:26 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 03:26 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	0.51	U 0.51	4.0	1	mg/L		06/02/07 03:26 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	1.4	U 1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
Total Alkalinity	4.3	B 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	12	U 12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	0.34	U 0.34	1.1	1	mg/L		06/04/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/04/07		Anl By: rsha
Turbidity	0.26			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-004

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 07/19/07
Lab Sample Number : 884384-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	650	4.4	50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	26	0.10	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	4.3	0.093	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	17	0.072	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	58	1.1	10	1	ug/L		06/11/07 04:21 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.10	B 0.097	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	27000	10	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	1.4	0.43	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	3.0	0.059	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	25	0.12	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	120	0.15	2.0	1	mg/L		06/08/07 04:32 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	3700	2.9	50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	3700	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	6.1	0.044	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	1.8	0.016	0.053	1	ug/L		06/08/07 05:16 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	12000	53	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	200	0.080	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	16.6	0.163	0.500	1	ng/L		06/13/07 12:57 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	21	0.12	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	59	0.075	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	11000	6.2	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.45	B 0.15	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

Analytical Report Number: 884384

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-004

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 07/19/07
Lab Sample Number : 884384-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	16000	46	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	3.8	0.41	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	9.5	B 2.1	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	27	1.1	5.0	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	160	11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:13 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:25 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:03 AM		Anl By: DAW
Nitrogen, Nitrate	0.29	B 0.085	0.40	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	15	0.51	4.0	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	29	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	26	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	210	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	100	3.1	10	1	mg/L		06/04/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/04/07		Anl By: rsha
Turbidity	47			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-004

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	3400	27	130	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	37	0.063	0.25	2	mg/Kg		06/12/07 11:22 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	3.4	0.069	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	17	0.070	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.73	U 0.73	2.5	20	mg/Kg	C	06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	4.4	U 4.4	25	20	mg/Kg	C	06/13/07 02:00 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.22	B 0.088	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	7.7	1.3	2.5	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	3.8	0.82	2.5	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	92	1.1	25	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	5900	32	130	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	21	0.080	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	2.4	0.22	0.44	1	mg/kg		06/13/07 10:34 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1700	70	1300	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	30	0.84	25	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.093	0.0042	0.025	1	mg/Kg		06/06/07 03:11 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	11	B 0.73	25	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	130	0.80	25	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	1.1	0.074	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.24	0.040	0.13	2	mg/Kg		06/12/07 11:22 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.075	U 0.075	0.25	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	11	0.81	2.5	20	mg/Kg		06/08/07 11:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	21	1.0	13	2	mg/Kg		06/08/07 09:35 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	39.2	—	—	1	%		06/02/07 08:39 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-004

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	7.1	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	9.2	U 9.2	24	1	mg/kg		06/27/07 12:44 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-005

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	4.4	U 4.4	50	1	ug/L	A	06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Antimony	0.10	U 0.10	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Arsenic	6.6	0.093	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Barium	42	0.072	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Boron	56	1.1	10	1	ug/L		06/11/07 04:28 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Calcium	36000	10	500	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Chromium	0.43	U 0.43	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Cobalt	5.2	0.059	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Copper	0.37	B 0.12	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Hardness	160	0.15	2.0	1	mg/L		06/08/07 04:40 PM	SW846 3020A	6020/2340B
							Prep Date/Time:	Anl By: CCR	
Iron	4500	2.9	50	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Iron, Ferric	4500	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:	Anl By: CCR	
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:	Anl By: DEY	
Lead	0.044	U 0.044	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Lithium	2.5	0.016	0.053	1	ug/L		06/08/07 05:21 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM	Anl By: *PA	
Magnesium	17000	53	500	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Manganese	1300	0.080	10	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Mercury - Low Level	0.467	B 0.163	0.500	1	ng/L		06/13/07 01:20 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM	Anl By: TLH	
Molybdenum	0.18	B 0.12	10	1	ug/L	A	06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Nickel	12	0.075	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Potassium	3700	6.2	500	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Selenium	0.15	U 0.15	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-005

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	6900	46	500	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	28	2.1	10	1	ug/L		06/08/07 04:40 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	81	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	10	1.1	5.0	1	mg/L		06/02/07 03:54 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	15	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:14 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.20	B 0.059	0.50	1	mg/L		06/02/07 03:54 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:26 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:03 AM		Anl By: DAW
Nitrogen, Nitrate	0.34	B 0.085	0.40	1	mg/L		06/02/07 03:54 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 03:54 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	82	1.0	8.0	2	mg/L		06/04/07 05:30 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	3.7	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	3.7	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	81	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	240	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	9.7	0.77	2.5	1	mg/L		06/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/07/07		Anl By: rsha
Turbidity	46			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-005

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	2900	16	73	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	0.49	0.036	0.15	2	mg/Kg		06/12/07 11:26 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	38	0.039	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	17	0.040	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.42	U 0.42	1.5	20	mg/Kg	C	06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	3.6	B 2.5	15	20	mg/Kg	AC	06/13/07 02:08 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.17	0.050	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	9.9	0.73	1.5	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	9.9	0.47	1.5	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	18	0.65	15	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	29000	18	73	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	4.6	0.046	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	3.8	0.15	0.30	1	mg/kg		06/13/07 11:05 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1500	40	730	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	240	0.48	15	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.0056	B 0.0024	0.015	1	mg/Kg		06/06/07 03:13 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	0.86	B 0.41	15	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	22	0.46	15	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.14	B 0.042	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.11	0.023	0.073	2	mg/Kg		06/12/07 11:26 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.061	B 0.043	0.15	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	10	0.46	1.5	20	mg/Kg		06/08/07 11:36 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	22	0.58	7.3	2	mg/Kg		06/08/07 09:57 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	68.8	---	---	1	%		06/02/07 08:39 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-005

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	6.8	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	100	9.4	25	1	mg/kg		06/27/07 12:48 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-006

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	670	4.4	50	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Antimony	0.10	U 0.10	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Arsenic	3.7	0.093	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Barium	39	0.072	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Boron	8.7	B 1.1	10	1	ug/L		06/11/07 04:36 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Cadmium	0.11	B 0.097	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Calcium	3800	10	500	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Chromium	1.7	0.43	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Cobalt	1.2	0.059	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Copper	2.3	0.12	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Hardness	13	0.15	2.0	1	mg/L		06/08/07 04:48 PM	SW846 3020A	6020/2340B
							Prep Date/Time:	Anl By: CCR	
Iron	12000	2.9	50	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Iron, Ferric	12000	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:	Anl By: CCR	
Iron, Ferrous	62	26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:	Anl By: DEY	
Lead	1.3	0.044	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Lithium	0.31	0.016	0.053	1	ug/L		06/08/07 05:25 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM	Anl By: *PA	
Magnesium	970	53	500	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Manganese	150	0.080	10	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Mercury - Low Level	36.8	0.163	0.500	1	ng/L		06/13/07 01:24 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM	Anl By: TLH	
Molybdenum	0.12	U 0.12	10	1	ug/L	A	06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Nickel	2.7	0.075	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Potassium	190	B 6.2	500	1	ug/L	A	06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	
Selenium	0.37	B 0.15	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM	Anl By: CCR	

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1241 Bellevue Street
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Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-006

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	690	46	500	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	4.5	0.41	1.0	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	12	2.1	10	1	ug/L		06/08/07 04:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	8.6	B 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	3.2	B 1.1	5.0	1	mg/L		06/02/07 05:05 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	130	11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.012	B 0.0060	0.020	1	mg/L		06/13/07 04:34 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/13/07 01:48 PM		Anl By: DAW
Fluoride	0.19	B 0.059	0.50	1	mg/L		06/02/07 05:05 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:32 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:07 AM		Anl By: DAW
Nitrogen, Nitrate	0.24	B 0.085	0.40	1	mg/L		06/02/07 05:05 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.060	B 0.036	0.10	1	mg/L		06/02/07 05:05 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	2.0	B 0.51	4.0	1	mg/L		06/02/07 05:05 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	46	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	43	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	8.6	B 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	70	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	37	1.5	5.0	1	mg/L		06/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/07/07		Anl By: rsha
Turbidity	18			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-006

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	13000	20	94	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	0.17	B 0.046	0.19	2	mg/Kg		06/12/07 11:31 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	2.2	0.051	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	130	0.052	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.54	U 0.54	1.9	20	mg/Kg	C	06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	3.3	U 3.3	19	20	mg/Kg	C	06/13/07 02:16 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.45	0.065	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	17	0.93	1.9	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	1.7	B 0.60	1.9	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	10	B 0.84	19	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	6400	24	94	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	9.3	0.059	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	12	0.21	0.42	1	mg/kg		06/13/07 11:09 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1300	51	940	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	52	0.61	19	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.11	0.0031	0.019	1	mg/Kg		06/06/07 03:14 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	0.53	U 0.53	19	20	mg/Kg	C	06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	12	B 0.59	19	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.58	0.054	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.11	0.029	0.094	2	mg/Kg		06/12/07 11:31 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.12	B 0.055	0.19	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	17	0.60	1.9	20	mg/Kg		06/08/07 11:44 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	39	0.75	9.4	2	mg/Kg		06/08/07 10:05 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	53.4	---	---	1	%		06/02/07 08:38 AM	SM M2540G	SM M2540G
							Prep Date/Time:		Anl By:

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-006

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	5.2	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	9.4	U 9.4	25	1	mg/kg		06/27/07 12:50 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-007

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	24	B 4.4	50	1	ug/L	A	06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	0.10	U 0.10	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	5.2	0.093	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	44	0.072	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	25	1.1	10	1	ug/L		06/11/07 04:44 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	16000	10	500	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	0.81	B 0.43	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	1.1	0.059	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	0.47	B 0.12	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	66	0.15	2.0	1	mg/L		06/08/07 04:55 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	15000	2.9	50	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	15000	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.14	B 0.044	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	0.21	0.016	0.053	1	ug/L		06/08/07 05:29 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	6500	53	500	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	1700	0.080	10	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	1.86	0.163	0.500	1	ng/L		06/13/07 02:10 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	0.41	B 0.12	10	1	ug/L	A	06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	1.1	0.075	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	2200	6.2	500	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.15	U 0.15	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-007

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	20000	46	500	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	0.81	B 0.41	1.0	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	4.6	B 2.1	10	1	ug/L		06/08/07 04:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	56	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	40	1.1	5.0	1	mg/L		06/02/07 05:20 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	46	B 11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.010	B 0.0060	0.020	1	mg/L		06/13/07 04:35 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/13/07 01:48 PM		Anl By: DAW
Fluoride	0.19	B 0.059	0.50	1	mg/L		06/02/07 05:20 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:33 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:07 AM		Anl By: DAW
Nitrogen, Nitrate	0.29	B 0.085	0.40	1	mg/L		06/02/07 05:20 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 05:20 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	2.2	B 0.51	4.0	1	mg/L		06/02/07 05:20 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	12	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	14	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	56	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	150	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	21	3.1	10	1	mg/L		06/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/07/07		Anl By: rsha
Turbidity	37			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-007

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	3400	26	120	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	1.4	0.060	0.24	2	mg/Kg		06/12/07 11:35 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	6.2	0.065	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	25	0.067	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.69	U 0.69	2.4	20	mg/Kg	C	06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	4.2	U 4.2	24	20	mg/Kg	C	06/13/07 02:23 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.23	B 0.083	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	7.0	1.2	2.4	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	4.7	0.78	2.4	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	18	B 1.1	24	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	12000	30	120	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	10	0.076	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	5.5	0.69	1.4	1	mg/kg		06/13/07 11:14 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1100	B 66	1200	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	150	0.79	24	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.039	0.0040	0.024	1	mg/Kg		06/06/07 03:15 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	0.69	U 0.69	24	20	mg/Kg	C	06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	10	B 0.76	24	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.88	0.070	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.037	U 0.037	0.12	2	mg/Kg		06/12/07 11:35 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.071	U 0.071	0.24	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	16	0.77	2.4	20	mg/Kg		06/08/07 11:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	27	0.96	12	2	mg/Kg		06/08/07 10:13 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	41.4	---	---	1	%		06/02/07 08:38 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-007

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	6.3	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	25	8.7	23	1	mg/kg		06/27/07 12:51 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-009

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-011

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	37	B 4.4	50	1	ug/L	A	06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	8.2	0.10	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	0.69	B 0.093	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	23	0.072	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	83	1.1	10	1	ug/L		06/11/07 05:06 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.097	U 0.097	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	49000	10	500	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	0.43	U 0.43	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	3.1	0.059	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	6.0	0.12	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	220	0.15	2.0	1	mg/L		06/08/07 05:03 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	380	2.9	50	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	380	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	0.070	B 0.044	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	2.5	0.016	0.053	1	ug/L		06/08/07 05:33 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	24000	53	500	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	81	0.080	10	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	1.36	0.163	0.500	1	ng/L		06/13/07 02:14 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	9.0	B 0.12	10	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	14	0.075	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	8800	6.2	500	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.25	B 0.15	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-009

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-011

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	13000	46	500	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	0.41	U 0.41	1.0	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	2.1	U 2.1	10	1	ug/L		06/08/07 05:03 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	11	1.1	5.0	1	mg/L		06/02/07 05:34 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	31	B 11	53	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.012	B 0.0060	0.020	1	mg/L		06/13/07 04:36 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/13/07 01:48 PM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		06/02/07 05:34 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:33 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:07 AM		Anl By: DAW
Nitrogen, Nitrate	0.85	0.085	0.40	1	mg/L		06/02/07 05:34 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 05:34 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	140	5.1	40	10	mg/L		06/04/07 05:42 PM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	5.6	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	6.2	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	310	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	5.0	0.38	1.2	1	mg/L		06/07/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/07/07		Anl By: rsha
Turbidity	2.0			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-009

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-012

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	3200	15	72	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	9.0	0.036	0.14	2	mg/Kg		06/12/07 10:49 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	3.6	0.039	0.14	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	30	0.040	0.14	2	mg/Kg	N	06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.41	U 0.41	1.4	20	mg/Kg	C	06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	4.0	B 2.5	14	20	mg/Kg	CAN	06/13/07 12:52 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.16	0.050	0.14	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	5.6	0.72	1.4	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	10	0.46	1.4	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	52	0.65	14	20	mg/Kg	*N	06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	7800	18	72	20	mg/Kg	*	06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	4.8	0.045	0.14	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	4.7	0.35	0.71	1	mg/kg		06/13/07 11:18 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1200	39	720	20	mg/Kg	N	06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	640	0.47	14	20	mg/Kg	*	06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.032	0.0024	0.014	1	mg/Kg		06/06/07 03:17 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	3.3	B 0.41	14	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	71	0.45	14	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.53	0.042	0.14	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.18	0.022	0.072	2	mg/Kg		06/12/07 10:49 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.042	U 0.042	0.14	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	11	0.46	1.4	20	mg/Kg		06/08/07 10:28 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	15	0.57	7.2	2	mg/Kg		06/08/07 08:49 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	69.4	---	---	1	%		06/02/07 08:23 AM	SM M2540G	SM M2540G
							Prep Date/Time:		Anl By:

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMPD-009

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-012

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	7.0	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	9.1	U 9.1	24	1	mg/kg		06/27/07 12:53 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPD-002

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-013

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	3000	14	68	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Antimony	0.86	0.033	0.14	2	mg/Kg		06/12/07 11:39 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Arsenic	45	0.037	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Barium	22	0.037	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Beryllium	0.39	U 0.39	1.4	20	mg/Kg	C	06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Boron	3.1	B 2.4	14	20	mg/Kg	AC	06/13/07 02:31 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/12/07 10:40 AM	Anl By: CCR	
Cadmium	0.23	0.047	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Chromium	11	0.67	1.4	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Cobalt	11	0.44	1.4	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Copper	29	0.61	14	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Iron	32000	17	68	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lead	6.5	0.043	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Lithium	5.0	0.17	0.33	1	mg/kg		06/13/07 11:22 AM	EPA 3020	EPA 6020
							Prep Date/Time: 06/06/07 01:12 PM	Anl By: *PA	
Magnesium	1700	37	680	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Manganese	260	0.44	14	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Mercury	0.0074	B 0.0022	0.014	1	mg/Kg		06/06/07 03:18 PM	SW846 7471A	SW846 7471A
							Prep Date/Time: 06/06/07 12:15 PM	Anl By: MSB	
Molybdenum	0.92	B 0.39	14	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Nickel	23	0.43	14	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Selenium	0.23	0.039	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Silver	0.20	0.021	0.068	2	mg/Kg		06/12/07 11:39 AM	3050B Sec7.5	SW846 6020
							Prep Date/Time: 06/05/07 10:56 AM	Anl By: CCR	
Thallium	0.040	U 0.040	0.14	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Vanadium	9.9	0.43	1.4	20	mg/Kg		06/08/07 11:59 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Zinc	26	0.54	6.8	2	mg/Kg		06/08/07 10:20 PM	SW846 3050B	SW846 6020
							Prep Date/Time: 06/05/07 10:30 AM	Anl By: CCR	
Percent Solids	73.9	---	---	1	%		06/02/07 08:21 AM	SM M2540G	SM M2540G
							Prep Date/Time:	Anl By:	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : DUPD-002

Matrix Type : SEDIMENT
Collection Date : 05/31/07
Report Date : 06/29/07
Lab Sample Number : 884384-013

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
pH, Laboratory	6.4	0.10	0.10	1	su		06/05/07	SW846 9040B	SW846 9040B
							Prep Date/Time:		Anl By: DEY
Sulfide	15	B 8.9	24	1	mg/kg		06/27/07 12:54 PM	SW846 9030B	SW846 9034
							Prep Date/Time: 06/27/07 07:35 AM		Anl By: *ST

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
884384-	M-AL-W	All Samples	A - Analyte is detected in the method blank at a concentration of -6.5 ug/L.
884384-	M-BE-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-B-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-B-S	All Samples	A - Analyte is detected in the method blank at a concentration of 0.382 mg/Kg.
884384-	M-K-W	All Samples	A - Analyte is detected in the method blank at a concentration of -9.7 ug/L.
884384-	M-MO-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-MO-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.39 ug/L.
884384-	M-TL-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.03 ug/L.
884384-002	M-CA-W	FBK-002	A - Analyte is detected in the method blank at a concentration of -26 ug/L.
884384-002	M-FE-W	FBK-002	A - Analyte is detected in the method blank at a concentration of 5.1 ug/L.
884384-002	M-MN-W	FBK-002	A - Analyte is detected in the method blank at a concentration of 1.7 ug/L.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	884384-001	884384-002	884384-003	884384-004	884384-005	884384-006	884384-007	884384-008	884384-009	884384-010	884384-011	884384-012	884384-013
ALKALINITY, BICARB/CARB/TOTAL	B	B	B		B		B		B		B		
ALUMINUM	B	B	B	B	B	B	B	B	B	B	B	B	B
ANTIMONY	B	B	B	B	B	B	B	B	B	B	B	B	B
ARSENIC	B	B	B	B	B	B	B	B	B	B	B	B	B
BARIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
BERYLLIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
BORON	B	B	B	B	B	B	B	B	B	B	B	B	B
CADMIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
CALCIUM	B	B	B		B		B		B		B		
CHLORIDE	B	B	B		B		B		B		B		
CHROMIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
COBALT	B	B	B	B	B	B	B	B	B	B	B	B	B
COD	B	B	B		B		B		B		B		
COPPER	B	B	B	B	B	B	B	B	B	B	B	B	B
CYANIDE, TOTAL	B	B	B		B		B		B		B		
FLUORIDE	B	B	B		B		B		B		B		
HARDNESS	B	B	B		B		B		B		B		
IRON	B	B	B	B	B	B	B	B	B	B	B	B	B
IRON, FERRIC	B	B	B		B		B		B		B		
IRON, FERROUS	B	B	B		B		B		B		B		
LEAD	B	B	B	B	B	B	B	B	B	B	B	B	B
LITHIUM	M	M	M	M	M	M	M	M	M	M	M	M	M
MAGNESIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
MANGANESE	B	B	B	B	B	B	B	B	B	B	B	B	B
MERCURY				B		B		B		B		B	B
MERCURY - LOW LEVEL	B	B	B		B		B		B		B		
MOLYBDENUM	B	B	B	B	B	B	B	B	B	B	B	B	B
NICKEL	B	B	B	B	B	B	B	B	B	B	B	B	B
NITROGEN, AMMONIA	B	B	B		B		B		B		B		
NITROGEN, NITRATE	B	B	B		B		B		B		B		
NITROGEN, NITRITE	B	B	B		B		B		B		B		
PERCENT SOLIDS				B		B		B		B		B	B
PH, LABORATORY				B		B		B		B		B	B
POTASSIUM	B	B	B		B		B		B		B		
SAS	C	C	C		C		C		C		C		
SELENIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
SILVER	B	B	B	B	B	B	B	B	B	B	B	B	B
SODIUM	B	B	B		B		B		B		B		
SOLIDS, TOTAL DISSOLVED	B	B	B		B		B		B		B		
SOLIDS, TOTAL SUSPENDED	B	B	B		B		B		B		B		

Test Group Name	884384-001	884384-002	884384-003	884384-004	884384-005	884384-006	884384-007	884384-008	884384-009	884384-010	884384-011	884384-012	884384-013
SULFATE	B	B	B		B		B		B		B		
SULFIDE	B	B	B	C	B	C	B	C	B	C	B	C	C
THALLIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
TOC AS NPOC	B	B	B		B		B		B		B		
TOC AS NPOC - DISSOLVED	B		B		B		B		B		B		
TURBIDITY	B	B	B		B		B		B		B		
VANADIUM	B	B	B	B	B	B	B	B	B	B	B	B	B
ZINC	B	B	B	B	B	B	B	B	B	B	B	B	B

Code	MI Certification
B	Not Certified
C	See Report
M	Not Certified

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch Number: 884384
Lab Section: METALS
QC Batch Number: 21823
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2207-011	MBWMTG2207-011
MB2	MB2WMTG2207-011	MB2WMTG2207-011
MB3	MB3WMTG2207-011	MB3WMTG2207-011
IPR	IPRWMTG2207-011	IPRWMTG2207-011
OPR	OPRWMTG2207-011	OPRWMTG2207-011
MS	884543-004MS	884543-004MS
MS	884543-002MS	884543-002MS
MSD	884543-004MSD	884543-004MSD
MSD	884543-002MSD	884543-002MSD

Client Sample ID	Lab Sample ID	Client Sample ID	Lab Sample ID
DUP-002	884384-001	FBK-002	884384-002
HMP-004	884384-003	HMP-005	884384-005
HMP-006	884384-007	HMP-007	884384-009
HMP-009	884384-011		

Test Name	Method Blank Result Conc	Method Blank 2 Result Conc	Method Blank 3 Result Conc	IPR/OPR Spiked Conc	IPR Recovery Conc	IPR Recovery %	OPR Recovery Conc	OPR Recovery %	IPR/OPR Control Limits LCL %	IPR/OPR Control Limits UCL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.3275	0.1996	0.2095	5	5.497	109.9	4.844	96.9	79	121	884543-002	1.59	10.0	11.1	95.0		10.0	11	93.9		1.1		75	125	24
Mercury - Low Level											884543-004	3.64	10.0	11.3	76.4		10.0	13.3	96.3		16.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 6/29/2007
QC Batch Number: 21823

Pace Analytical®
www.pacelabs.com

Waltz Mill Radiochemistry Lab
Exit 54, I-70
Madison, PA 15663
Phone: 724.722.5214
Fax: 724.722.5208

June 20, 2007

Mr. Tod Noltemeyer
Pace Analytical Services, Inc
1241 Bellevue St., Suite 9
Green Bay, WI 54302

Water/Groundwater Characterization
884384 Foth & Van Dyke
Pace Project No. 07-3001

Dear Mr. Noltemeyer:

Enclosed are analytical results for samples submitted by Pace Analytical Services, Inc. Samples were received on June 5, 2007 and logged in for analysis on June 6, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

REPORT OF LABORATORY ANALYSIS
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without the written consent of Pace Analytical Services, Inc.

PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-3001
CLIENT: 884384 Foth & Van Dyke

B: SAMPLE IDENTIFICATIONS:

Pace ID	Client ID	Pace ID	Client ID
0706-0203	DUP-002 (884384-001)	0706-0204	FBK-002 (884384-002)
0706-0205	HMP-004 (884384-003)	0706-0206	HMP-005 (884384-005)
0706-0207	HMP-006 (884384-007)	0706-0208	HMP-007 (884384-009)
0706-0209	HMP-009 (884384-011)		

C: SHIPPING/RECEIVING COMMENTS:

Final Report 6/20/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:
NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

00000003

Table 1
General Data Table
Pace Analytical Services, Inc.
Pace Project No. 07-3001
Groundwater Characterization; 884384 Foth & Van Dyke

Pace Sample ID	Client Sample ID	Date Collected	Parameter Identification: Analyzed	Gross Alpha EPA 900.0 pCi/L Act ± Unc	(MDC)
0706-0203	DUP-002 (884384-001)	(5/31/07)	06/13/07	1.80 ± 1.31	(1.96)
0706-0204	FBK-002 (884384-002)	(5/31/07)	06/13/07	0.198 ± 0.586	(1.46)
0706-0205	HMP-004 (884384-003)	(5/31/07)	06/13/07	2.07 ± 1.49	(2.35)
0706-0206	HMP-005 (884384-005)	(5/31/07)	06/13/07	0.231 ± 0.860	(2.23)
0706-0207	HMP-006 (884384-007)	(5/31/07)	06/13/07	2.77 ± 1.50	(2.02)
0706-0208	HMP-007 (884384-009)	(5/31/07)	06/13/07	1.43 ± 1.18	(2.02)
0706-0209	HMP-009 (884384-011)	(5/31/07)	06/13/07	1.67 ± 1.45	(2.44)
0706-0210	Method Blank	(6/5/07)	06/13/07	-0.144 ± 0.344	(1.28)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

0000004

Table 1
(Continued)

Pace Sample ID	Client Sample ID	Date Collected	Analyzed	Parameter Identification Gross Beta EPA 900.0 pCi/L Act ± Unc	(MDC)
0706-0203	DUP-002 (884384-001)	(5/31/07)	06/13/07	2.64 ± 1.33	(2.27)
0706-0204	FBK-002 (884384-002)	(5/31/07)	06/13/07	-0.177 ± 0.697	(1.80)
0706-0205	HMP-004 (884384-003)	(5/31/07)	06/13/07	10.5 ± 2.65	(2.12)
0706-0206	HMP-005 (884384-005)	(5/31/07)	06/13/07	3.59 ± 1.36	(1.84)
0706-0207	HMP-006 (884384-007)	(5/31/07)	06/13/07	0.732 ± 0.870	(1.73)
0706-0208	HMP-007 (884384-009)	(5/31/07)	06/13/07	2.43 ± 1.18	(1.87)
0706-0209	HMP-009 (884384-011)	(5/31/07)	06/13/07	6.73 ± 1.93	(1.87)
0706-0210	Method Blank	(6/5/07)	06/13/07	-0.334 ± 0.737	(1.95)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

0000005

QA Assessment Spreadsheet
PACE Analytical Services
Waltz Mill Laboratory

Pace Analytical
www.pacelabs.com

Quality Control Sample Performance Assessment

6/20/07

Test:	Gross Alpha
Analyst:	ELS
Date:	6/19/2007
Worklist:	14738
Matrix (DW, W, F, Solid):	DW

Method Blank Assessment

MB concentration:	-0.144
M/B Counting Uncertainty:	0.344
MB MDC:	1.283
MB Numerical Performance Indicator:	-0.82
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	6/13/2007	6/13/2007
Spike I.D.:	06-012	06-012
Spike Concentration (pCi/mL):	92.096	92.096
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	46.048	46.048
Uncertainty (Calculated):	2.708	2.708
Result (pCi/L, g, F):	49.397	47.455
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	10.231	9.826
Numerical Performance Indicator:	0.62	0.27
Percent Recovery:	107.27%	103.06%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass

Duplicate Sample Assessment

Sample I.D.:	LCS14738
Duplicate Sample I.D.	LCSD14738
Sample Result (pCi/L, g, F):	49.397
Sample Result Counting Uncertainty (pCi/L, g, F):	10.231
Sample Duplicate Result (pCi/L, g, F):	47.455
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	9.826
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	0.268
Duplicate RPD:	4.01%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/24/2007
Sample I.D.	0705-1671
Sample MS I.D.	0705-1671MS
Sample MSD I.D.	
Spike I.D.:	06-012
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	92.096
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	92.096
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	5.415
Sample Result:	-0.249
Sample Result Counting Uncertainty (pCi/L, g, F):	0.779
Sample Matrix Spike Result:	91.990
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	18.572
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
MS Numerical Performance Indicator:	0.014
MSD Numerical Performance Indicator:	
MS Percent Recovery:	100.16%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

QA Assessment Spreadsheet
PACE Analytical Services
Waltz Mill Laboratory

Pace Analytical
www.pacelabs.com

Quality Control Sample Performance Assessment

6/20/07

Test:	Gross Beta
Analyst:	ELS
Date:	6/19/2007
Worklist:	14738
Matrix (DW, W, F, Solid):	DW

Method Blank Assessment

MB concentration:	-0.334
M/B Counting Uncertainty:	0.737
MB MDC:	1.947
MB Numerical Performance Indicator:	-0.89
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS	LSCD
Count Date:	6/13/2007	6/13/2007
Spike I.D.:	06-008	06-008
Spike Concentration (pCi/mL):	40.435	40.435
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.200	0.200
Target Conc. (pCi/L, g, F):	20.217	20.217
Uncertainty (Calculated):	1.981	1.981
Result (pCi/L, g, F):	16.898	17.317
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	3.998	4.062
Numerical Performance Indicator:	-1.46	-1.26
Percent Recovery:	83.58%	85.65%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass

Duplicate Sample Assessment

Sample I.D.:	LCS14738
Duplicate Sample I.D.	LCSD14738
Sample Result (pCi/L, g, F):	16.898
Sample Result Counting Uncertainty (pCi/L, g, F):	3.998
Sample Duplicate Result (pCi/L, g, F):	17.317
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	4.062
Are sample and/or duplicate results below MDC?	NO
Duplicate Numerical Performance Indicator:	-0.144
Duplicate RPD:	2.45%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Sample Matrix Spike Control Assessment

Sample Collection Date:	5/24/2007
Sample I.D.	0705-1671
Sample MS I.D.	0705-1671MS
Sample MSD I.D.	
Spike I.D.:	06-008
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	40.488
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.200
MS Target Conc.(pCi/L, g, F):	40.488
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L, g, F):	
Spike uncertainty (calculated):	3.968
Sample Result:	2.142
Sample Result Counting Uncertainty (pCi/L, g, F):	1.123
Sample Matrix Spike Result:	38.764
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	7.926
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
MS Numerical Performance Indicator:	-0.848
MSD Numerical Performance Indicator:	
MS Percent Recovery:	90.45%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
MS/ MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	

Comments:

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth + Van Dyke Project # 884384

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Zip Lock

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 1.0, 4.5, 5.0, 4.0 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C Comments:

Date and Initials of person examining contents: 6-1-07 CJ
LM 6-1-07

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. Nitrate, Nitrite, Turbidity, PH, Conductivity, Fe 2+
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☒No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W/S	☐Yes ☒No ☐N/A	12. Soils have same ID as waters. ~~CJ~~ Soil containers do not have a "D" included in client ID to match COC. CJ 6-1-07
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed CJ Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AA for TN **Date:** 7/3/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

Company Name:	Foth & Van Dyke
Branch/Location:	
Project Contact:	J. Kesy
Phone:	
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Maraciwi / Richard Eagle
Sampled By (Sign):	
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 022072

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other ZnAce NaOH

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	FVD
Mail To Address:	Green Bay, WI
Invoice To Contact:	see above
Invoice To Company:	see above
Invoice To Address:	see above
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested								CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					Y/N	N	N	Y	N	N	N	N	N		
PRESERVATION (CODE)*					Pick Letter	A	C	C	D	G	J	A	A		
					See FVD SW & SED Parameter List										
001	DUP-002	5/31/07	—	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml DCGJA) 2-4oz ag C	
002	FBK-002		1015	W		4	2		3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 1-4oz ag C	
003	HMP-004		1030	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 2-4oz ag C	
004	HMPD-004		1030	S								1	1	2-4oz ag A	
005	HMP-005		1510	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 2-4oz ag C	
006	HMPD-005		1510	S								1	1	2-4oz ag A	
007	HMP-006		1245	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 2-4oz ag C	
008	HMPD-006		1245	S								1	1	2-4oz ag A	
009	HMP-007		1415	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 2-4oz ag C	
010	HMPD-007		1415	S								1	1	2-4oz ag A	
011	HMP-009		1115	W		4	2	1	3	1	1			2-Ltr pA, 2-500ml pD, 500ml gA, (5-250ml pDCgJA) 2-4oz ag C	
012	HMPD-009		1115	S								1	1	2-4oz ag A	
013	DUPD-002		—	S								1	1	↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Richard Eagle	5/31/07 1800	Fed X	
FedEx	6/1/07 0950	Pace	6/1/07 0950

PACE Project No. 884384

Receipt Temp = 1.0, 4.5, 5.0, 4.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

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Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

Project Name: HUMBOLDT MILL
Project Number:

FOTH INFRASTRUCTURE & ENVIRONMENT
ATTN: ~~JANIS KESY~~ Jeff Lynotte
ATTN: ACCOUNTS PAYABLE
PO BOX 12326
GREEN BAY WI 54307-2326

Attached are the following for Batch Number: **884384**

_____ **Organic**
_____ **Inorganic**
_____ **QC Data**
_____ **Diskette**

Ship By: _____ First Class Mail _____ FedEx
_____ Priority Mail _____ Other: _____

Comments:

Please find enclosed a revised result sheet for sample 884384-003.
I apologize for any inconvenience this may have caused you.
Sincerely,
Marge Allen-Trenkner for Tod N.

If you have any questions please call your Client Manager: **Tod Noltemeyer**

07/25/07

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 884384

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number:

Lab Sample Number	Field ID	Matrix	Collection Date
884384-003	HMP-004	WATER	05/31/07 10:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Marge Allen-Trinkner for Tod N.

Approval Signature

7·24·07

Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-004

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 07/24/07
Lab Sample Number : 884384-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	650	4.4	50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Antimony	26	0.10	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Arsenic	4.3	0.093	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Barium	17	0.072	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Beryllium	0.070	U 0.070	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Boron	58	1.1	10	1	ug/L		06/11/07 04:21 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cadmium	0.10	B 0.097	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Calcium	27000	10	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Chromium	1.4	0.43	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Cobalt	3.0	0.059	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Copper	25	0.12	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Hardness	120	0.15	2.0	1	mg/L		06/08/07 04:32 PM	SW846 3020A	6020/2340B
							Prep Date/Time:		Anl By: CCR
Iron	3700	2.9	50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Iron, Ferric	3700	26	50	1	ug/L		06/12/07	3020A/8146	6020/8146
							Prep Date/Time:		Anl By: CCR
Iron, Ferrous	26	U 26	50	1	ug/L	HF	06/02/07 10:00 AM	HACH 8146	HACH 8146
							Prep Date/Time:		Anl By: DEY
Lead	6.1	0.044	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Lithium	1.8	0.016	0.053	1	ug/L		06/08/07 05:16 PM	EPA 3020	EPA 6020
							Prep Date/Time: 06/07/07 03:40 PM		Anl By: *PA
Magnesium	12000	53	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Manganese	200	0.080	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Mercury - Low Level	16.6	0.163	0.500	1	ng/L		06/13/07 12:57 PM	EPA 1631E	EPA 1631E
							Prep Date/Time: 06/08/07 02:06 PM		Anl By: TLH
Molybdenum	21	0.12	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Nickel	59	0.075	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Potassium	11000	6.2	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Selenium	0.45	B 0.15	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 884384

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number :
Field ID : HMP-004

Matrix Type : WATER
Collection Date : 05/31/07
Report Date : 07/24/07
Lab Sample Number : 884384-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Silver	0.11	U 0.11	0.50	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Sodium	16000	46	500	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Thallium	0.030	U 0.030	1.0	1	ug/L	A	06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Vanadium	3.8	0.41	1.0	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Zinc	9.5	B 2.1	10	1	ug/L		06/08/07 04:32 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 06/04/07 08:00 AM		Anl By: CCR
Bicarbonate Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Carbonate Alkalinity	3.2	U 3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Chloride	27	1.1	5.0	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
COD	160	11	50	1	mg/L		06/04/07	EPA 410.4	EPA 410.4
							Prep Date/Time: 06/04/07		Anl By: DEY
Cyanide, Total	0.0060	U 0.0060	0.020	1	mg/L		06/05/07 05:13 PM	EPA 335.4	EPA 335.4
							Prep Date/Time: 06/05/07 11:59 AM		Anl By: DAW
Fluoride	0.24	B 0.059	0.50	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Ammonia	0.50	U 0.50	1.0	1	mg/L		06/12/07 04:25 PM	EPA 350.1	EPA 350.1
							Prep Date/Time: 06/12/07 09:03 AM		Anl By: DAW
Nitrogen, Nitrate	0.29	B 0.085	0.40	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	0.036	U 0.036	0.10	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfate	15	0.51	4.0	1	mg/L		06/02/07 03:40 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Sulfide	2.3	U 2.3	5.0	1	mg/L		06/04/07	SM 4500-S2 F	SM 4500-S2 F
							Prep Date/Time:		Anl By: DEY
TOC as NPOC	29	1.4	2.0	1	mg/L		06/13/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:48 PM		Anl By: GM
TOC as NPOC - Dissolved	26	1.4	2.0	1	mg/L		06/08/07	SM 5310C	SM 5310C
							Prep Date/Time: 06/05/07 08:47 PM		Anl By: GM
Total Alkalinity	100	3.2	10	1	mg/L		06/04/07	SM 2320B	SM 2320B
							Prep Date/Time:		Anl By: rsha
Total Dissolved Solids	210	12	20	1	mg/L		06/04/07	SM 2540C	SM 2540C
							Prep Date/Time: 06/04/07		Anl By: DEY
Total Suspended Solids	100	3.1	10	1	mg/L		06/04/07	SM 2540D	SM 2540D
							Prep Date/Time: 06/04/07		Anl By: rsha
Turbidity	47			1	NTU		06/01/07 12:30 PM	SM 2130B	SM 2130B
							Prep Date/Time:		Anl By: rsha
Gross Alpha & Beta	INCL.								
							Prep Date/Time:		Anl By:

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
884384-	M-AL-W	All Samples	A - Analyte is detected in the method blank at a concentration of -6.5 ug/L.
884384-	M-BE-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-B-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-B-S	All Samples	A - Analyte is detected in the method blank at a concentration of 0.382 mg/Kg.
884384-	M-K-W	All Samples	A - Analyte is detected in the method blank at a concentration of -9.7 ug/L.
884384-	M-MO-S	All Samples	C - Elevated detection limit due to matrix effect. Internal standard present in sample at a significant concentration.
884384-	M-MO-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.39 ug/L.
884384-	M-TL-W	All Samples	A - Analyte is detected in the method blank at a concentration of -0.03 ug/L.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	884384-003
ALKALINITY, BICARB/CARB/TOTAL	B
ALUMINUM	B
ANTIMONY	B
ARSENIC	B
BARIUM	B
BERYLLIUM	B
BORON	B
CADMIUM	B
CALCIUM	B
CHLORIDE	B
CHROMIUM	B
COBALT	B
COD	B
COPPER	B
CYANIDE, TOTAL	B
FLUORIDE	B
HARDNESS	B
IRON	B
IRON, FERRIC	B
IRON, FERROUS	B
LEAD	B
LITHIUM	M
MAGNESIUM	B
MANGANESE	B
MERCURY - LOW LEVEL	B
MOLYBDENUM	B
NICKEL	B
NITROGEN, AMMONIA	B
NITROGEN, NITRATE	B
NITROGEN, NITRITE	B
POTASSIUM	B
SAS	C
SELENIUM	B
SILVER	B
SODIUM	B
SOLIDS, TOTAL DISSOLVED	B
SOLIDS, TOTAL SUSPENDED	B
SULFATE	B
SULFIDE	B
THALLIUM	B

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	884384-003
TOC AS NPOC	B
TOC AS NPOC - DISSOLVED	B
TURBIDITY	B
VANADIUM	B
ZINC	B

Code	MI Certification
B	Not Certified
C	See Report
M	Not Certified

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: METALS
QC Batch Number: 21467
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2202-30	MBWMTG2202-30
LCS	LCSWMTG2202-30	LCSWMTG2202-30
MS	884384-001MS	884384-001MS
MSD	884384-001MSD	884384-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Aluminum	<	4.4	10000	10280	102.8		—	—	—		—		75	125	20	884384-001	<	4.4	10000	9606	96.1		10000	9699	97.0		1.0		75	125	20
Antimony	<	0.1	200.0	217.4	108.7		—	—	—		—		75	125	20	884384-001	<	0.1	200.0	211.6	105.8		200.0	211.3	105.7		0.1		75	125	20
Arsenic	<	0.093	200.0	205.4	102.7		—	—	—		—		75	125	20	884384-001		6.790	200.0	211.8	102.5		200.0	210.9	102.1		0.4		75	125	20
Barium	<	0.072	200.0	205.7	102.8		—	—	—		—		75	125	20	884384-001		38.67	200.0	239.7	100.5		200.0	240.8	101.1		0.5		75	125	20
Beryllium	<	0.07	200.0	206.9	103.4		—	—	—		—		75	125	20	884384-001	<	0.07	200.0	188.5	94.2		200.0	188.6	94.3		0.1		75	125	20
Boron	<	1.1	200.0	196.9	98.4		—	—	—		—		75	125	20	884384-001		57.73	200.0	243	92.6		200.0	242.9	92.6		0.0		75	125	20
Cadmium	<	0.097	200.0	203.1	101.6		—	—	—		—		75	125	20	884384-001	<	0.097	200.0	197.4	98.7		200.0	197	98.5		0.2		75	125	20
Calcium	<	10	10000.0	10700	107.0		—	—	—		—		75	125	20	884384-001		36950.0	10000.0	45060	81.1		10000.0	45740	87.9		1.5		75	125	20
Chromium	<	0.43	200.0	204.5	102.2		—	—	—		—		75	125	20	884384-001	<	0.43	200.0	190.2	95.1		200.0	192.8	96.4		1.4		75	125	20
Cobalt	<	0.059	200.0	195.7	97.8		—	—	—		—		75	125	20	884384-001		3.060	200.0	182.6	89.8		200.0	188.6	92.8		3.2		75	125	20
Copper	<	0.12	200.0	195.7	97.8		—	—	—		—		75	125	20	884384-001		0.3500	200.0	182.4	91.0		200.0	186.2	92.9		2.1		75	125	20
Iron	J	5.1	10000.0	10160	101.6		—	—	—		—		75	125	20	884384-001		4535.00	10000.0	14000	94.7		10000.0	14100	95.7		0.7		75	125	20
Lead	<	0.044	200.0	203.8	101.9		—	—	—		—		75	125	20	884384-001	<	0.044	200.0	201.2	100.6		200.0	201.9	100.9		0.3		75	125	20
Magnesium	<	53	10000.0	10400	104.0		—	—	—		—		75	125	20	884384-001		17310.0	10000.0	25940	86.3		10000.0	26230	89.2		1.1		75	125	20
Manganese	J	1.6	200.00	201.5	100.8		—	—	—		—		75	125	20	884384-001		904.10	200.00	1045	70.4	+	200.00	1073	84.4	+	2.6		75	125	20
Molybdenum	<	0.12	200.0	200.2	100.1		—	—	—		—		75	125	20	884384-001		0.4600	200.0	194.5	97.0		200.0	194.6	97.1		0.1		75	125	20
Nickel	<	0.075	200.0	196.8	98.4		—	—	—		—		75	125	20	884384-001		9.300	200.0	186.7	88.7		200.0	192.6	91.7		3.1		75	125	20
Potassium	<	6.2	10000.0	10950	109.5		—	—	—		—		75	125	20	884384-001		3824.00	10000.0	13970	101.5		10000.0	14230	104.1		1.8		75	125	20
Selenium	<	0.15	200.0	194	97.0		—	—	—		—		75	125	20	884384-001	<	0.15	200.0	195.2	97.6		200.0	193	96.5		1.1		75	125	20
Silver	<	0.11	100	100.7	100.7		—	—	—		—		75	125	20	884384-001	<	0.11	100	94.6	94.6		100	94.8	94.8		0.2		75	125	20
Sodium	<	46	10000.0	10540	105.4		—	—	—		—		75	125	20	884384-001		6982.00	10000.0	16540	95.6		10000.0	16780	98.0		1.4		75	125	20
Thallium	<	0.03	200.0	195.4	97.7		—	—	—		—		75	125	20	884384-001	<	0.03	200.0	195.4	97.7		200.0	194.9	97.4		0.3		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21467

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Vanadium	<	0.41	200.0	206.3	103.2		---	---	---		---		75	125	20	884384-001	<	0.41	200.0	193.9	96.9		200.0	194.2	97.1		0.2		75	125	20
Zinc	<	2.1	200.0	200.9	100.4		---	---	---		---		75	125	20	884384-001	<	2.1	200.0	191.8	95.9		200.0	189.4	94.7		1.3		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 7/24/2007
QC Batch Number: 21467

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: METALS
QC Batch Number: 21823
Prep Method: EPA 1631E
Analytical Method: EPA 1631E

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2207-011	MBWMTG2207-011
IPR	IPRWMTG2207-011	IPRWMTG2207-011
OPR	OPRWMTG2207-011	OPRWMTG2207-011
MS	884543-004MS	884543-004MS
MS	884543-002MS	884543-002MS
MSD	884543-004MSD	884543-004MSD
MSD	884543-002MSD	884543-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Mercury - Low Level	0.3275	0	---	---		---	---	---		---		---	---	---	884543-002	1.59	10.0	11.1	95.0		10.0	11	93.9		1.1		75	125	24
Mercury - Low Level	0.3275	0	---	---		---	---	---		---		---	---	---	884543-004	3.64	10.0	11.3	76.4		10.0	13.3	96.3		16.2		75	125	24

Conc = ng/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 7/24/2007
QC Batch Number: 21823

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21418
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2192-079MB	WCG2192-079MB
LCS	WCG2192-079MBLCS	WCG2192-079MBLCS
MS	884384-001MS	884384-001MS
MSD	884384-001MSD	884384-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	<	1.1	20.0	18.9	94.6		—	—	—		—		90	110	20	884384-001		10.2	20.0	29	93.9		20.0	29.3	95.4		1.0		90	110	20
Fluoride	<	0.059	2.0	1.9	96.0		—	—	—		—		90	110	20	884384-001		0.21	2.0	1.9	86.5	N	2.0	2	87.5	N	1.0		90	110	20
Nitrogen, Nitrate	<	0.085	1.6	1.6	98.8		—	—	—		—		90	110	20	884384-001		0.25	1.6	1.7	92.5		1.6	1.8	93.8		1.1		90	110	20
Nitrogen, Nitrite	<	0.036	0.80	0.76	95.0		—	—	—		—		90	110	20	884384-001	<	0.036	0.80	0.77	96.2		0.80	0.78	97.5		1.3		90	110	20
Sulfate	<	0.51	16.00	15.5	97.1		—	—	—		—		90	110	20	884384-001		88.12	32.00	122.9	108.7		32.00	124.1	112.5	N	1.0		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21418

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21423
Prep Method: HACH 8146
Analytical Method: HACH 8146

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1666-091MB	WCG1666-091MB
LCS	WCG1666-091MBLCS	WCG1666-091MBLCS
MS	884344-001MS	884344-001MS
MSD	884344-001MSD	884344-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Iron, Ferrous	<	26	600.0	657.2	109.5		---	---	---		---		80	120	20	884344-001	<	26	600.0	678.4	113.1		600.0	669.3	111.6		1.4		80	120	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 7/24/2007
QC Batch Number: 21423

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21458
Prep Method: SM 2540D
Analytical Method: SM 2540D

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2178-070MB	WCG2178-070MB
LCS	WCG2178-070MBLCS	WCG2178-070MBLCS
DUP	884354-001DUP	884354-001DUP
DUP	884331-002DUP	884331-002DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Suspended Solids	<	0.31	130.0	138	106.2		---	---	---		---		80	120	10	884331-002		194.0	---	---	---		---	---	---		---		---	---	---
Total Suspended Solids	<	0.31	130.0	138	106.2		---	---	---		---		80	120	10	884354-001		82.00	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21458

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21460
Prep Method: SM 4500-S2 F
Analytical Method: SM 4500-S2 F

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2189-032MB	WCG2189-032MB
LCS	WCG2189-032MBLCS	WCG2189-032MBLCS
MS	884441-001MS	884441-001MS
MSD	884441-001MSD	884441-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfide	< 2.3	38.0	41.2	108.4		---	---	---		---		80	120	20	884441-001	< 2.3	38.0	34	89.5		38.0	32.8	86.3		3.6		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21460

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21464
Prep Method: EPA 410.4
Analytical Method: EPA 410.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2135-070MB	WCG2135-070MB
LCS	WCG2135-070MBLCS	WCG2135-070MBLCS
MS	884384-011MS	884384-011MS
MS	884384-002MS	884384-002MS
MSD	884384-011MSD	884384-011MSD
MSD	884384-002MSD	884384-002MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
COD	<	11	500.0	508.5	101.7		---	---	---		---		90	110	10	884384-002	<	11	263.2	273.1	103.8		263.2	273.1	103.8		0.0		90	110	10
COD	<	11	500.0	508.5	101.7		---	---	---		---		90	110	10	884384-011		30.52	263.2	284.9	96.7		263.2	277.8	94.0		2.5		90	110	10

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21464

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21471
Prep Method: SM 2320B
Analytical Method: SM 2320B

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2189-031MB	WCG2189-031MB
LCS	WCG2189-031MBLCS	WCG2189-031MBLCS
MS	884344-001MS	884344-001MS
MSD	884344-001MSD	884344-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Bicarbonate Alkalinity	<	3.2	77.40	79.2	102.3		---	---	---		---		80	120	20	884344-001		102.7	100.0	201.2	98.4		100.0	201.2	98.4		0.0		80	120	20
Carbonate Alkalinity	<	3.2	0	---	---		---	---	---		---		---	---	---	884344-001	<	3.2	---	---	---		---	---	---		---		---	---	---
Total Alkalinity	<	3.2	77.40	79.2	102.3		---	---	---		---		80	120	20	884344-001		102.7	100.0	201.2	98.4		100.0	201.2	98.4		0.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21471

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21473
Prep Method: SM 2130B
Analytical Method: SM 2130B

QC Type	Client Sample ID	Lab Sample ID
DUP	884384-011DUP	884384-011DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Turbidity	--	0	--	--		--	--	--		--		--	--	--	884384-011	2.020	--	--	--		--	--	--		--		--	--	--

Conc = NTU unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21473

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21482
Prep Method: SM 2540C
Analytical Method: SM 2540C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2227-006MB	WCG2227-006MB
LCS	WCG2227-006MBLCS	WCG2227-006MBLCS
DUP	884344-011DUP	884344-011DUP

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Total Dissolved Solids	< 12	823.0	806	97.9		---	---	---		---		80	120	10	884344-011	426.0	---	---	---		---	---	---		---		---	---	---

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21482

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21508
Prep Method: EPA 335.4
Analytical Method: EPA 335.4

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2220-038MB	WCG2220-038MB
LCS	WCG2220-038MBLCS	WCG2220-038MBLCS
MS	884429-001MS	884429-001MS
MS	884344-009MS	884344-009MS
MSD	884429-001MSD	884429-001MSD
MSD	884344-009MSD	884344-009MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Cyanide, Total	<	0.006	0.10	0.1	103.1		—	—	—		—		90	110	20	884344-009	<	0.006	0.10	0.11	110.0		0.10	0.11	108.6		1.3		90	110	20
Cyanide, Total	<	0.006	0.10	0.1	103.1		—	—	—		—		90	110	20	884429-001		0.0062	0.10	0.12	109.9		0.10	0.11	105.6		3.7		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21508

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21639
Prep Method: SM 5310C
Analytical Method: SM 5310C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-092MB	WCG2193-092MB
LCS	WCG2193-092MBLCS	WCG2193-092MBLCS
MS	884384-001MS	884384-001MS
MSD	884384-001MSD	884384-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD	%	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD	%	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC - Dissolved	<	1.4	100.0	108	108.0		—	—	—		—			80	120	20	884384-001	2.384	100.0	108.7	106.3		100.0	109.9	107.5		1.1			80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 7/24/2007
QC Batch Number: 21639

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21746
Prep Method: EPA 350.1
Analytical Method: EPA 350.1

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2220-063MB	WCG2220-063MB
LCS	WCG2220-063MBLCS	WCG2220-063MBLCS
MS	884384-005MS	884384-005MS
MS	884292-023MS	884292-023MS
MSD	884384-005MSD	884384-005MSD
MSD	884292-023MSD	884292-023MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Nitrogen, Ammonia	< 0.5	10.0	9.8	98.2		---	---	---		---		90	110	20	884292-023	< 0.5	10.0	10.2	101.6		10.0	9.6	95.6		6.1		90	110	20
Nitrogen, Ammonia	< 0.5	10.0	9.8	98.2		---	---	---		---		90	110	20	884384-005	< 0.5	10.0	10.8	107.7		10.0	10	100.5		6.9		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21746

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 884384
Lab Section: WETCHEM
QC Batch Number: 21816
Prep Method: SM 5310C
Analytical Method: SM 5310C

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2193-097MB	WCG2193-097MB
LCS	WCG2193-097MBLCS	WCG2193-097MBLCS
MS	884395-001MS	884395-001MS
MS	HMP-004MS	884384-003MS
MSD	884395-001MSD	884395-001MSD
MSD	HMP-004MSD	884384-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
HMP-004	884384-003	MB			

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
TOC as NPOC	<	1.4	100.0	97.1	97.1		---	---	---		---		80	120	20	884384-003		28.52	100.0	110.4	81.9		100.0	124.8	96.3		12.3		80	120	20
TOC as NPOC	<	1.4	100.0	97.1	97.1		---	---	---		---		80	120	20	884395-001		2.949	100.0	107.1	104.2		100.0	116.1	113.1		8.0		80	120	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/24/2007
QC Batch Number: 21816

July 2007

HTDF Nitrate Measurements

Batch No. 886037

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

July 17, 2007

Janis Kesy
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Kesy:

Enclosed is a report for the analysis of groundwater and associated QC samples for the Humboldt Mill project (06W003). These samples were received July 13, 2007. The samples were assigned to batch number 886037.

A table of the results has also been sent to you via e-mail.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Marge Allen-Trenkner for Tod N.

Tod Noltemeyer
Project Manager

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 886037

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT MILL

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
886037-001	HPL-003 140'	WATER	07/12/07
886037-002	HPL-003 175'	WATER	07/12/07
886037-003	DUP001	WATER	07/12/07
886037-004	FBK001	WATER	07/12/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Marge Allen-Trinkner for Tod N. — Approval Signature

7·18·07 — Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 886037

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HPL-003 140'

Matrix Type : WATER
Collection Date : 07/12/07
Report Date : 07/16/07
Lab Sample Number : 886037-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Nitrogen, Nitrate	2.1	0.40	1	mg/L		07/14/07 01:44 AM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	< 0.10	0.10	1	mg/L		07/14/07 01:44 AM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLL

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 886037

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : HPL-003 175'

Matrix Type : WATER
Collection Date : 07/12/07
Report Date : 07/16/07
Lab Sample Number : 886037-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Nitrogen, Nitrate	1.4	0.40	1	mg/L		07/14/07 01:58 AM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	< 0.10	0.10	1	mg/L		07/14/07 01:58 AM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLL

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 886037

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : DUP001

Matrix Type : WATER
Collection Date : 07/12/07
Report Date : 07/16/07
Lab Sample Number : 886037-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Nitrogen, Nitrate	2.0	0.40	1	mg/L		07/14/07 02:12 AM	EPA 300.0	EPA 300.0
					Prep Date/Time:			Anl By: GLL
Nitrogen, Nitrite	< 0.10	0.10	1	mg/L		07/14/07 02:12 AM	EPA 300.0	EPA 300.0
					Prep Date/Time:			Anl By: GLL

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 886037

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT MILL
Project Number : 06W003
Field ID : FBK001

Matrix Type : WATER
Collection Date : 07/12/07
Report Date : 07/16/07
Lab Sample Number : 886037-004

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Nitrogen, Nitrate	<	0.40	0.40	1	mg/L		07/14/07 02:27 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL
Nitrogen, Nitrite	<	0.10	0.10	1	mg/L		07/14/07 02:27 AM	EPA 300.0	EPA 300.0
							Prep Date/Time:		Anl By: GLL

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	886037-001	886037-002	886037-003	886037-004
NITROGEN, NITRATE	B	B	B	B
NITROGEN, NITRITE	B	B	B	B

Code	MI Certification
B	Not Certified

Sample Condition Upon Receipt

Pace Analytical

Client Name: North Jackson Project # 886037

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Initial: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 6° Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 7/13/07 AG CJ 7-13-07

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. Nitrate
Rush Turn Around Time Requested:	☑Yes ☐No ☐N/A	7. 1 week
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MAT for Tod N **Date:** 7.18.07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

COC No. 015116

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Company Name:	North Jackson Co
Branch/Location:	Marquette, MI
Project Contact:	J. Kesy
Phone:	
Project Number:	
Project Name:	Humboldt Mill
Project State:	MI
Sampled By (Print):	Andrew Marzcimi / Richard Eagle
Sampled By (Sign):	
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	J. Kesy
Mail To Company:	Foth
Mail To Address:	Green Bay, WI
Invoice To Contact:	SAME
Invoice To Company:	SAME
Invoice To Address:	SAME
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: A

Analyses Requested: Nitrate/Nitrite

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Nitrate/Nitrite	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	HPL-003 140'	7-12-07	1344	SW	1		250 mL Poly	
002	HPL-003 175'	↓	1338	SW	1		↓	
003	DUP001	↓	—	SW	1		↓	
004	FBK001	↓	1412	W	1		↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: 1 week

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	7/12/07 1700		
Fed Ex	7/13/07 1000	[signature]	7/13/07 1000

PACE Project No. 886037

Receipt Temp = 0° °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0, 08/14/06