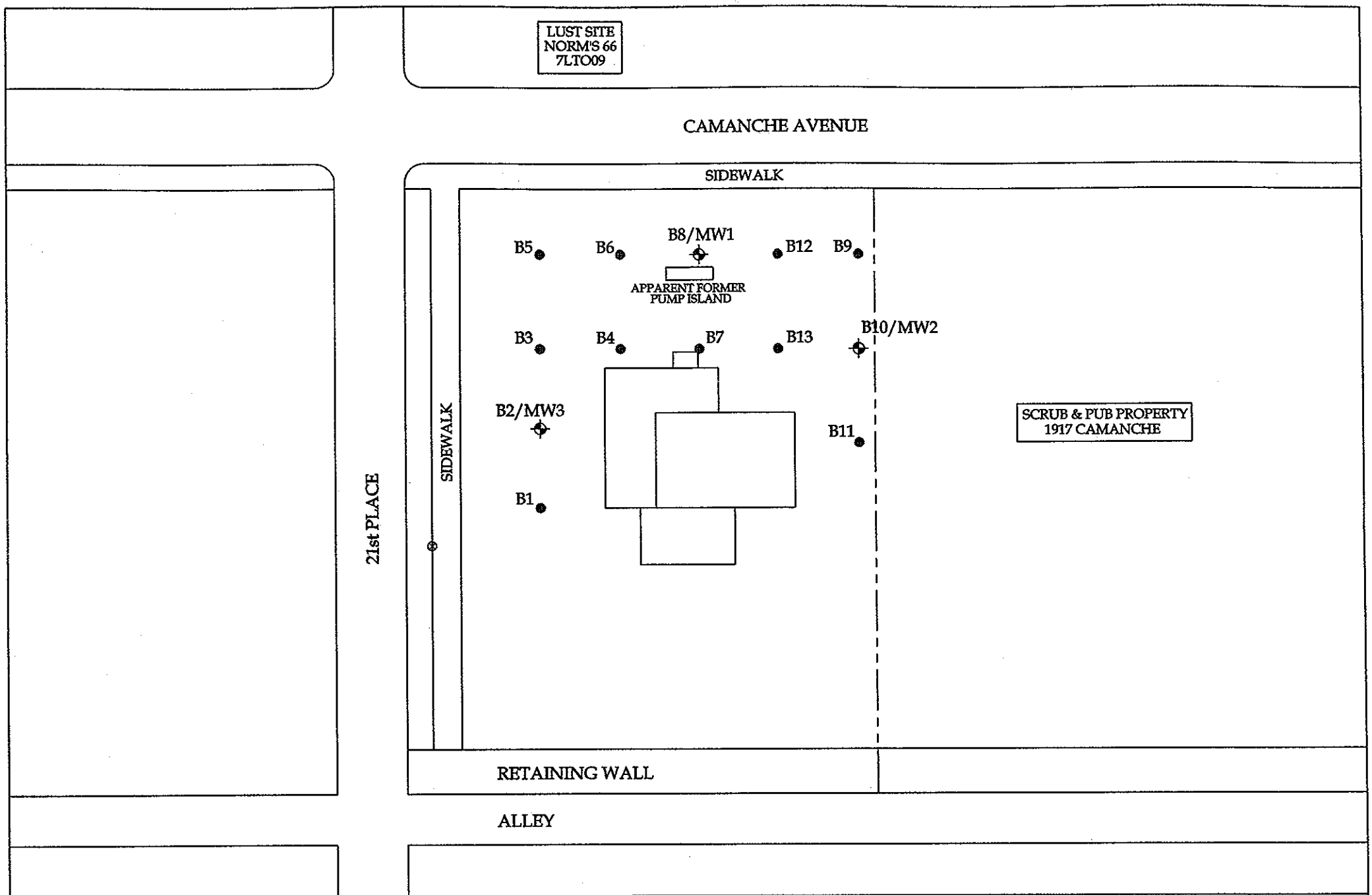
APPENDIX 2

JAMES GOLINVAUX PROPERTY (B) – 2019
CAMANCHE AVENUE, CLINTON / IDNR
REGISTRATION NO. 197910540, LUST NO. 9LTL93

PHOTOS, MAPS, TABLES, WELL LOGS/WELL CONSTRUCTION DIAGRAMS, & ANALYTCIAL DATA SHEETS

James Golinvaux Property, 2019 Camanche Ave.



FILE NAME: CLINTON UST	Seneca Environmental Services		REVISED: 01/25/05
PROJECT NO: 6246500			DATE: 06/08/04
SITE: CLINTON UST FIELDS JAMES GOLENVAUX PROPERTY 2019 CAMANCHE - CLINTON, IOWA SITE PLAN MAP	FIGURE 7	LUST NUMBER: N/A	REVIEWED BY: SF
		SCALE: 1" = 40'	DRAWN BY: RLH

CLINTON USTFIELDS
JAMES GOLINVAUX PROPERTY
2019 CAMANCHE AVE
(B)

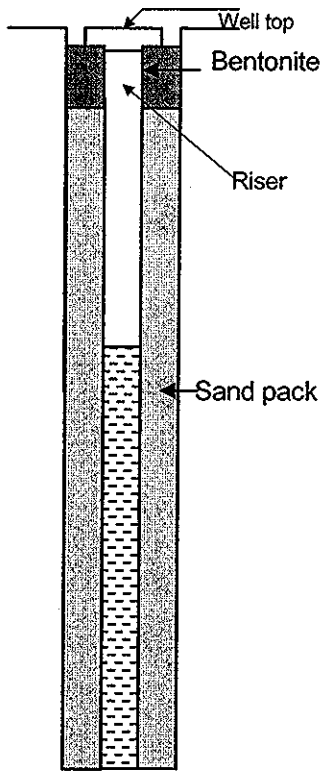
WELL/ BH LABEL	DATE	SOIL/GW	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE	TEH-DIESEL	TEH-WASTE OIL	MTBE	GROUND SURFACE ELEVATION	TOC	TOS	SOIL SAMPLE DEPTH	WATER LEVEL
B1	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B2	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	10	<0.015	NA	NA	NA	5	NA
B3	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	9	NA
B4	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B5	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B6	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B7	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	9	NA
B8	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B9	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B10	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	62.8	<0.015	NA	NA	NA	9	NA
B11	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	26.2	<0.015	NA	NA	NA	6	NA
B12	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B13	7/22/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
MW1	10/6/2004	GW	1.1	<1	90	91.8	1030	<380	<1	605.38	604.89	596.89	NA	591.8
MW2	10/6/2004	GW	<2	<2	<2	<6	<380	<380	<2	605.62	605.32	597.32	NA	591.24
MW3	10/6/2004	GW	406	195	715	2600	2430	<380	<10	603.89	603.46	595.46	NA	589.18

Soil Results: Units = mg/kg
Groundwater Results: Units = ug/L

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B8/MW1	Facility Address: Clinton UST Fields—James Golinvaux Property	Facility Street Address: 2019 Camanche Ave, Clinton, IA
Boring Depth (ft) X Diameter (in): 18' x 4 ¼"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc./Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 605.38		Top of Casing Elevation (ASL): 604.89	
Date: 7/22/04 Start Time: 8:30 am	Date: 9/16/2004 End Time: 3:00 PM	UST Number: N/A	LUST Number: N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc) First column for USCS
– 0					0	Surface Cover- Concrete
- 1					0	
- 2					0	
- 3					0	ML| 1-2' Silt Dry, no odor
- 4					0	
– 5					0	CL| 2-5' Dark Brown Silty Clay, damp, no odor
- 6				HSA	0*	
- 7						5-7' Soft layered Rock, yellow, no odor
- 8						
- 9						Bedrock @ 7'
– 10						
- 11						Soil Sample @ 7'
- 12						Well Set at 18'
- 13	V					8' Riser, 10' Screen
- 14						
– 15						Soil Drilled to 7' 7/22/04
- 16						Bedrock drilled from 7 to 18' 9/16/04
- 17						
- 18						
- 19						
– 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.					

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

Observations	Date:	10/06/2004				
Water Levels (ASL)	Level:	591.8				
Static Water Level Symbol v	Time:	10:45 AM				

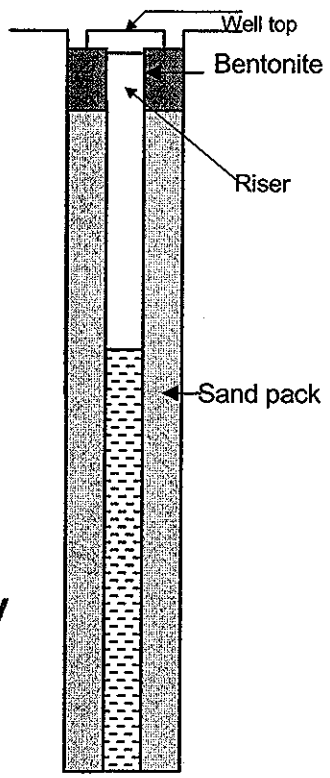
DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B10/MW2	Facility Address: Clinton UST Fields—James Golinvaux Property	Facility Street Address: 2019 Camanche Ave, Clinton, IA
Boring Depth (ft) X Diameter (in): 18' x 4 ¼"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc./Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 605.62	Top of Casing Elevation (ASL): 605.32

Date: 7/22/04 Start Time: 8:30 am	Date: 9/16/2004 End Time: 4:00 PM	UST Number: N/A	LUST Number: N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
– 0					0	Surface Cover-
- 1					0	Asphalt
- 2					0	
- 3					0	SP| 1-2' Sand
- 4					0	
– 5					0	CL| 2-4' Dark Brown Silty Clay, damp, no odor
- 6					0	
- 7					0	SP| 4-6' Sand
- 8			HSA		0*	6-9' Soft Rock, yellow, no odor
- 9						
– 10						Bedrock @ 9'
- 11						
- 12						Soil Sample @ 9'
- 13						Well Set at 18'
- 14	V					8' Riser, 10' Screen
– 15						
- 16						Soil Drilled to 9' 7/22/04
- 17						Bedrock drilled from 9 to 18' 9/16/04
- 18						
- 19						
– 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.					

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

Observations	Date:	10/06/2004				
Water Levels (ASL)	Level:	591.24				
Static Water Level Symbol v	Time:	10:45 AM				

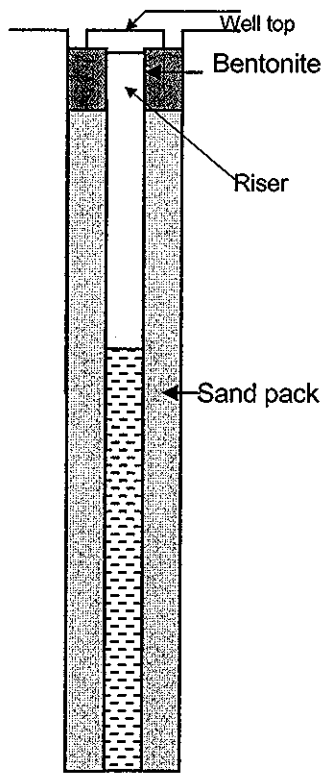
DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B2/MW3	Facility Address: Clinton UST Fields—James Golinvaux Property	Facility Street Address: 2019 Camanche Ave, Clinton, IA
Boring Depth (ft) X Diameter (in): 18' x 4 ¼"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc./Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 603.89	Top of Casing Elevation (ASL): 603.46

Date: 7/21/04 Start Time: 11:30 am	Date: 9/16/2004 End Time: 5:00 PM	UST Number: N/A	LUST Number: N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
– 0					0	Surface Cover-Asphalt
- 1					0	
- 2					0	SM| 1-5' Sandy Silt, dry no odor
- 3					0	
- 4			HSA		0*	
– 5						
- 6						Bedrock @ 5'
- 7						EOB = 5'
- 8						
- 9						Soil Sample @ 5'
– 10						Well Set at 18'
- 11						8' Riser, 10' Screen
- 12						
- 13						Soil Drilled to 5' 7/21/04
- 14	V					Bedrock drilled from 5 to 18' 9/16/04
– 15						
- 16						
- 17						
- 18						
- 19						
– 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.					

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

Observations	Date:	10/06/2004				
Water Levels (ASL)	Level:	589.18				
Static Water Level Symbol v	Time:	10:45 AM				

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B1	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/21/04 Start Time: 11:00 am	Date: 7/21/04 End Time: 11:30 am	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	SP| 1-2' Sand
2					0	CL| 2-5' Brown Silty Clay, no odor, damp
3	**Monitoring Well Not Installed**				0	
4					0	SP| 5-7' Sand and some rocks
5					0	
6	**Boring Backfilled with Bentonite**				0	Bedrock @ 7'
7			1	HSA	0*	EOB = 7'
8						Soil Sample @ 7'
9						
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B3	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 9' x 8 25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/21/04 Start Time: 11:30 am	Date: 7/21/04 End Time: 12:00 pm	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	SM| 1-5' Sandy Silt, dry no odor
2					0	
3	**Monitoring Well Not Installed**				0	
4					0	5-9' Layered yellow rock, soft, no odor
5					0	
6	**Boring Backfilled with Bentonite**				0	Bedrock @ 9'
7					0	EOB = 9'
8					0	Soil Sample @ 9'
9			1	HSA	0*	
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	–				
Static Water Level Symbol v	Time:	–				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B4	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 8' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/21/04 Start Time: 12:00 pm	Date: 7/21/04 End Time: 12:30 pm	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil Color and Classifications, Observations (moisture odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	ML| 1-2' Black Silt
2					0	
3	**Monitoring Well Not Installed**				0	CL| 2-5' Silty Clay, Dark Brown, no odor
4					0	
5					0	5-8' Layered yellow rock, soft, no odor
6	**Boring Backfilled with Bentonite**				0	
7					0	Bedrock @ 8'
8			1	HSA	0*	EOB = 8'
9						Soil Sample @ 8'
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B5	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 8' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc Registration Number: 40617		Logged by: Todd Felderman
Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A	

Date: 7/21/04 Start Time: 12:30 pm	Date: 7/21/04 End Time: 1:00 pm	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	SP| 1-2' Sand Brown, dry
2					0	
3	**Monitoring Well Not Installed**				0	
4					0	CL| 2-5' Silty Clay, Dark Brown, damp, no odor
5					0	
6	**Boring Backfilled with Bentonite**				0	5-8' Layered yellow rock, soft, no odor
7					0	
8			1	HSA	0*	Bedrock @ 8'
9						EOB = 8'
10						Soil Sample @ 8'
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	–				
Static Water Level Symbol v	Time:	–				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B6	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/21/04 Start Time: 1:00 pm	Date: 7/21/04 End Time: 1:30 pm	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	SP| 1-2' Sand Brown, dry
2					0	
3	**Monitoring Well Not Installed**				0	CL| 2-5' Silty Clay, Dark Brown, damp, no odor
4					0	
5					0	5-7' Fractured Rock, light green, no odor
6	**Boring Backfilled with Bentonite**				0	
7			1	HSA	0*	Bedrock @ 7'
8						EOB = 7'
9						Soil Sample @ 7'
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B7	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 9' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman
Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A	
Date: 7/22/04 Start Time: 7:00 am	Date: 7/22/04 End Time: 7:30 am	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	ML| 1-2' Black Silt, sand, dry
2					0	
3	**Monitoring Well Not Installed**				0	CL| 2-3' Silty Clay, Black
4					0	CL| 3-6' Dark Brown Silty Clay, damp, no odor
5					0	
6	**Boring Backfilled with Bentonite**				0	6-9' Fractured Rock, light yellow, no odor
7			1	HSA	0*	
8						Bedrock @ 9'
9						EOB = 9'
10						Soil Sample @ 9'
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/22/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B9	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 8' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman
Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A	
Date: 7/22/04 Start Time: 8:00 am	Date: 7/22/04 End Time: 8:30 am	UST Number N/A LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc) First column for USCS
						Surface Cover-Concrete
0						
1					0	SP| 1-2' Sand
2					0	
3	**Monitoring Well Not Installed**				0	CL| 2-5' Dark Brown Silty Clay, damp, no odor
4					0	
5					0	SP| 5-6' Sand
6	**Boring Backfilled with Bentonite**				0	6-8' Fractured Rock, yellow, soft, no odor
7					0	
8			1	HSA	0*	Bedrock @ 8'
9						EOB = 8'
10						
11						Soil Sample @ 8"
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/22/04				
Water Levels (ASL)	Level:	–				
Static Water Level Symbol v	Time:	–				

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B11	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 6' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/22/04 Start Time: 9 am	Date: 7/22/04 End Time: 9:30 am	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	SP| 1-2' Sand Brown
2					0	
3	**Monitoring Well Not Installed**				0	CL| 2-3' Dark Brown Silty Clay, damp, no odor
4					0	
5					0	SP| 3-5' Brown Sand
6	**Boring Backfilled with Bentonite**		1	HSA	0*	CL| 5-6' Brown Silty Clay with Brick Fill
7						
8						6' Soft Rock, yellow, no odor
9						Bedrock @ 6'
10						
11						EOB = 6'
12						Soil Sample @ 6'
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/22/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B12	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A

Date: 7/22/04 Start Time: 9:30 am	Date: 7/22/04 End Time: 10:00 am	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
						Surface Cover-Asphalt
0						
1					0	CL] 1-3' Brown Silty Clay, damp
2					0	
3	**Monitoring Well Not Installed**				0	3-7' Soft layered rock, no odor
4					0	
5					0	Bedrock @ 7'
6	**Boring Backfilled with Bentonite**		1	HSA	0*	EOB = 7'
7						Soil Sample @ 7'
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)0

Observations	Date:	7/22/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	–				

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B13	Facility Name: Clinton UST Fields—James Golinvaux	Facility Street Address: 2019 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 8' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A		Top of Casing Elevation (ASL): N/A	
Date: 7/22/04 Start Time: 10:00 am	Date: 7/22/04 End Time: 10:30 am	UST Number N/A	LUST Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0						Surface Cover-Asphalt
1					0	CL| 1-5' Brown Silty Clay, damp, no odor
2					0	
3	**Monitoring Well Not Installed**				0	SP| 5-8' Sand, moist, no odor
4					0	Bedrock @ 8'
5					0	
6	**Boring Backfilled with Bentonite**		1	HSA	0*	EOB = 8'
7						Soil Sample @ 8'
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)

Observations	Date:	7/22/04				
Water Levels (ASL)	Level:	–				
Static Water Level Symbol v	Time:	–				

DNR FORM 542-1392

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AUG 0 3 REC'D

ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722

08/02/2004

TestAmerica Job: 04.09864

Project Number: 6246500
Project: Clinton UST - JG Property

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

Sample Number	Sample Description	Date Taken	Date Received
813318	B1 7'	07/21/2004	07/23/2004
813319	B2 5'	07/21/2004	07/23/2004
813320	B3 9'	07/21/2004	07/23/2004
813321	B4 8'	07/21/2004	07/23/2004
813322	B5 8'	07/21/2004	07/23/2004
813323	B6 7'	07/21/2004	07/23/2004
813324	B7 9'	07/22/2004	07/23/2004
813325	B8 7'	07/22/2004	07/23/2004
813326	B9 8'	07/22/2004	07/23/2004
813327	B10 9'	07/22/2004	07/23/2004
813328	B11 6'	07/22/2004	07/23/2004
813329	B12 7'	07/22/2004	07/23/2004
813330	B13 8'	07/22/2004	07/23/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Reproduction of this analytical report is permitted only in its entirety.

Shawn Hayes
Project Manager

TestAmerica
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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813318

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B1 7'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
UST VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813319

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B2 5'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg	MSO	mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg	MSO	mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.005	SOIL
Xylenes Total	<0.015	mg/kg	MSO	mmk	07/30/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/30/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	10.0	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	10.0	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis
MSO - MS and/or MSD recoveries are outside of control limits

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17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813320

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON UST - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B3 9'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
UST VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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ANALYTICAL REPORT

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800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813321

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B4 8'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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ANALYTICAL REPORT

Susan Frett
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08/02/2004

Job Number: 04.09864

Sample Number: 813322

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B5 8'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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08/02/2004

Job Number: 04.09864

Sample Number: 813323

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/21/2004

Sample ID: B6 7'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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ANALYTICAL REPORT

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17851 244th Avenue

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08/02/2004

Job Number: 04.09864

Sample Number: 813324

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B7 9'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

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ANALYTICAL REPORT

Susan Frett
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17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813325

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B8 7'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/28/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813326

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B9 8'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813327

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON UST - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B10 9'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
UST VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	62.8	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	62.8	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

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Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813328

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CI INTON USI - JG PROPERIY
6246500

Date Iaken: 07/22/2004

Sample ID: B11 6'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLAIILE COMPOUNDS - 8260								
Benzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ioluene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0 005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0 005	SOII
Xylenes. Iotal	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0 015	SOIL
MIBE	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOII
Extraction Prep, soil	COMPLEIE			acm	07/27/2004	IOWA-0A2		SOIL
EXIRACIABLE HYDROCARBONS-SOIL								
Iotal Extractable Hydrocarbons	26.2	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	26 2	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813329

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B12 7'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg	MSO	mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.
MSO - MS and/or MSD recoveries are outside of control limits

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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

08/02/2004

Job Number: 04.09864

Sample Number: 813330

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - JG PROPERTY
6246500

Date Taken: 07/22/2004

Sample ID: B13 8'

Date Received: 07/23/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MTBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

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TestAmerica Job Number: 04.09864

ATTACHMENTS

Following are the sample receipt log and the chain of custody applicable to this analytical report.

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

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

This data has been produced in compliance with 2002 NELAC Standards (July 2004), except where noted.

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) and are sampled in accordance with TA-CF SOP CF09-01.

This report shall not be reproduced, except in full, without written approval of the laboratory.

For questions regarding this report, please contact the individual who signed the analytical report.

TestAmerica INCORPORATED

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401
Fax: 319 - 277 - 2425

Company: **Seneca Environmental**
Send Report To: Susan Frett
Address: 17851 - 244th Avenue, P.O. Box 1208
City/State/Zip Code: Bettendorf, IA 52722
Telephone Number: 563-332-2272 Fax: 563-332-9465
Sampled by: (Print Name) Todd Felderman
(Signature) Todd Felderman

Your PO #: 179175
Invoice To:
TA Quote #:
Project Name: Clinton UST - J G Property
Project Number: 6246500
Project Manager: Mark Diehl
Proj. Man. Telephone:
Proj. Man. E-mail Address: @senecaco.com

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H2SO4 Plastic (Yellow & White Label)	H2SO4 Glass(Yellow & White Label)	None (Black & White Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other Specify:	Analyze For:	OA-1 w/MTBE (GCMS)	OA-1 (GC)	OA-2	Lead	PNAs						RUSH TAT (Must call ahead)	Standard TAT	Fax Results	E-mail Results	Send QC with report
B1 @ 7'	7/21/04	11:00 A	1	X			X												X			X		X									X			
B2 @ 5'	7/21/04	11:45 A	1	X			X												X			X		X									X			
B3 @ 9'	7/21	12:00	1	X			X												X			X		X									X			
B4 @ 8'	7/21	12:30 P	1	X			X												X			X		X									X			
B5 @ 8'	7/21	1:00 pm	1	X			X												X			X		X									X			
B6 @ 7'	7/21	1:30 pm	1	X			X												X			X		X									X			
B7 @ 9'	7/22	8:30 A	1	X			X												X			X		X									X			
B8 @ 7'	7/22	8:00 A	1	X			X												X			X		X									X			
B9 @ 8'	7/22	8:30 A	1	X			X												X			X		X									X			
B10 @ 9'	7/22	9:00 A	1	X			X												X			X		X									X			
B11 @ 6'	7/22	9:30 A	1	X			X												X			X		X									X			
B12 @ 7'	7/22	10:00 A	1	X			X												X			X		X									X			

NOTE: All turn around times are calculated from the time of receipt at TestAmerica
NOTICE: **Pre-Arrangements must be made *AT LEAST 48 Hours in ADVANCE* to receive results with RUSH turn around time commitments; *additional charges* may be assessed.**
NOTE: There may be a charge assessed for TestAmerica disposing of sample remainder

NOTES:

Relinquished by	Date	Time	Received by	Date	Time	Relinquished by	Date	Time
Todd Felderman	7/22/04	2:00 pm	[signature]	7/22/04	14:35	[signature]	7/22/04	15:50
Shipped Via:			Comments:			Shipped Via:		
Received for TestAmerica by: Edna Muehlberg	Date 7-23-04	Time 7:30	Temperature Upon Receipt			Laboratory Comments		

TestAmerica INCORPORATED

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401
Fax: 319 - 277 - 2425

Company: **Seneca Environmental**
Send Report To: Susan Frett
Address: 17851 - 244th Avenue, P.O. Box 1208
City/State/Zip Code: Bettendorf, IA 52722
Telephone Number: 563-332-2272 Fax: 563-332-9465
Sampled by: (Print Name) Todd Fellerman
(Signature) Tod Fell

Your PO #: 179175
Invoice To:
TA Quote #:
Project Name: Clinton UST - J 6 Prop
Project Number: 6242500
Project Manager: Mark Diehl
Proj. Man. Telephone:
Proj. Man. E-mail Address: @senecaco.com

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H_2SO_4 Plastic (Yellow & White Label)	H_2SO_4 Glass(Yellow & White Label)	None (Black & White Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other Specify:	Analyze For:	OA-1 w/MTBE (GCMS)	OA-1 (GC)	OA-2	Lead	PNAs						RUSH TAT (Must call ahead)	Standard TAT	Fax Results	E-mail Results	Send QC with report
B13 @ 8'	7/22/04	10:30 A	1	X			X												X			X		X									X			

NOTE: All turn around times are calculated from the time of receipt at TestAmerica.
NOTICE: **Pre-Arrangements must be made *AT LEAST 48 Hours in ADVANCE* to receive results with RUSH turn around time commitments; *additional charges* may be assessed.**
NOTE: There may be a charge assessed for TestAmerica disposing of sample remainder.

NOTES:

Relinquished by	Date	Time	Received by	Date	Time	Relinquished by	Date	Time
Tod Fell	7/22/04	2:00 pm	[illegible]	7/22/04	14:00	[illegible]	7/22/04	15:00
Shipped Via:			Comments:			Shipped Via:		
Received for TestAmerica by: Edna Muehlen	Date 7-23-04	Time 7:30	Temperature Upon Receipt			Laboratory Comments		

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Mark Diehl
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722

10/19/2004

TestAmerica Job: 04.14174

Project Number: 6246500
Project: Clinton UST-James Golivaux Prop.

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

Sample Number	Sample Description	Date Taken	Date Received
829617	MW1	10/06/2004	10/08/2004
829618	MW2	10/06/2004	10/08/2004
829619	MW3	10/06/2004	10/08/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Reproduction of this analytical report is permitted only in its entirety.

John R. Paulson
Project Coordinator

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Mark Diehl
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

10/19/2004

Job Number: 04.14174

Sample Number: 829617

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CITINON USI-JAMES GOTIVAUX PROP.
6246500

Date Taken: 10/06/2004

Sample ID: MW1

Date Received: 10/08/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOTATILE COMPOUNDS - 8260								
Benzene	1.1	ug/L		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Toluene	<1.0	ug/L		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Ethylbenzene	90.0	ug/L	*	sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Xylenes	91.8	ug/L	MSO	sjn	10/13/2004	IA OA-1/8260B	3.0	WATER
MTBE	<1.0	ug/L		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	6,520	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Diesel	1,030	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Gasoline	5,490	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Motor Oil	<380	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
VOA Preservation pH	>2	units		sjg	10/14/2004	SW 9041A		WATER

All results are calculated on a wet weight basis.
* - Sample concentration is greater than four times the spike concentr
MSO - MS and/or MSD recoveries are outside of control limits

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Mark Diehl
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

10/19/2004

Job Number: 04.14174

Sample Number: 829618

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CLIINON USI-JAMES GOLIVAUX PROP.
6246500

Date Taken: 10/06/2004

Sample ID: MW2

Date Received: 10/08/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOIAIIIE COMPOUNDS - 8260			R					
Benzene	<2 0	ug/I		sjn	10/13/2004	IA OA-1/8260B	2.0	WAIER
Ioluene	<2.0	ug/I		sjn	10/13/2004	IA OA-1/8260B	2.0	WAIER
Ethylbenzene	<2.0	ug/I		sjn	10/13/2004	IA OA-1/8260B	2.0	WAIER
Xylenes	<6.0	ug/L		sjn	10/13/2004	IA OA-1/8260B	6.0	WAIER
MIBE	<2 0	ug/I		sjn	10/13/2004	IA OA-1/8260B	2.0	WAIER
Extraction Prep	COMPLEIE			acm	10/08/2004	IOWA-OA2		WAIER
EXIRACIABIE HYDROCARBONS-WAIER								
Iotal Extractable Hydrocarbons	<380	ug/I		ljm	10/19/2004	IA-OA2/S-8015	380	WAIER
Diesel	<380	ug/I		ljm	10/19/2004	IA-OA2/S-8015	380	WAIER
Gasoline	<380	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WAIER
Motor Oil	<380	ug/I		ljm	10/19/2004	IA-OA2/S-8015	380	WAIER
VOA Preservation pH	>2	units		sjg	10/13/2004	SW 9041A		WAIER

All results are calculated on a wet weight basis.
R - Reporting limit elevated due to matrix interferences

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Mark Diehl
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

Bettendorf, IA 52722
800-728-6900

10/19/2004

Job Number: 04.14174

Sample Number: 829619

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CITINON USI-JAMES GOTIVAUX PROP.
6246500

Date Taken: 10/06/2004

Sample ID: MW3

Date Received: 10/08/2004

Analyte	Result	Units	Result Flag	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	406	ug/L		sjn	10/14/2004	IA OA-1/8260B	10	WATER
Toluene	195	ug/L		sjn	10/14/2004	IA OA-1/8260B	10	WATER
Ethylbenzene	715	ug/L		sjn	10/14/2004	IA OA-1/8260B	10	WATER
Xylenes	2,600	ug/L		sjn	10/14/2004	IA OA-1/8260B	30	WATER
MTBE	<10	ug/L		sjn	10/14/2004	IA OA-1/8260B	10	WATER
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	16,700	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Diesel	2,430	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Gasoline	14,300	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Motor Oil	<380	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
VOA Preservation pH	<2	units		sjg	10/13/2004	SW 9041A		WATER

All results are calculated on a wet weight basis.

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

TestAmerica Job Number: 04.14174

ATTACHMENTS

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Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) and are sampled in accordance with TA-CF SOP CF09-01.

This report shall not be reproduced, except in full, without written approval of the laboratory.

For questions regarding this report, please contact the individual who signed the analytical report.

TestAmerica
ANALYTICAL TESTING CORPORATION

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

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

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

Client Name: Seneca Environmental Client #: _____
Address: 17851 244th Ave
City/State/Zip Code: Bettendorf IA 52722
Project Manager: Mark Diehl
Telephone Number: 563 332-8000 Fax: _____
Sampler Name: (Print Name) Mark Diehl w/SF + CS
Sampler Signature: [signature]
Email Address: _____

Project Name: Clinton UST - James Golivaux Prop.
Project #: 6246500
Site/Location ID: Clinton State: IA
Report To: Mark Diehl
Invoice To: _____
Quote #: _____ PO#: 181365

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

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

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: OA1	OA2	W/MTBE								REMARKS
MW1	10/6/04	9:00	G		GW		3				1		X	X	X								
MW2	10/6	9:15	G		GW		3				1		X	X	X								
MW3	10/6	9:30	G		GW		3				1		X	X	X								

Special Instructions:

LABORATORY COMMENTS:

Relinquished By: [signature]	Date: 10/7/04	Time: 8:00 Am	Received By: [signature]	Date: 10/7/04	Time: 14:05
Relinquished By: [signature]	Date: 10/7/04	Time: 16:00	Received By: Edna Muehling	Date: 10/8/04	Time: 7:30
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Page _____ of _____