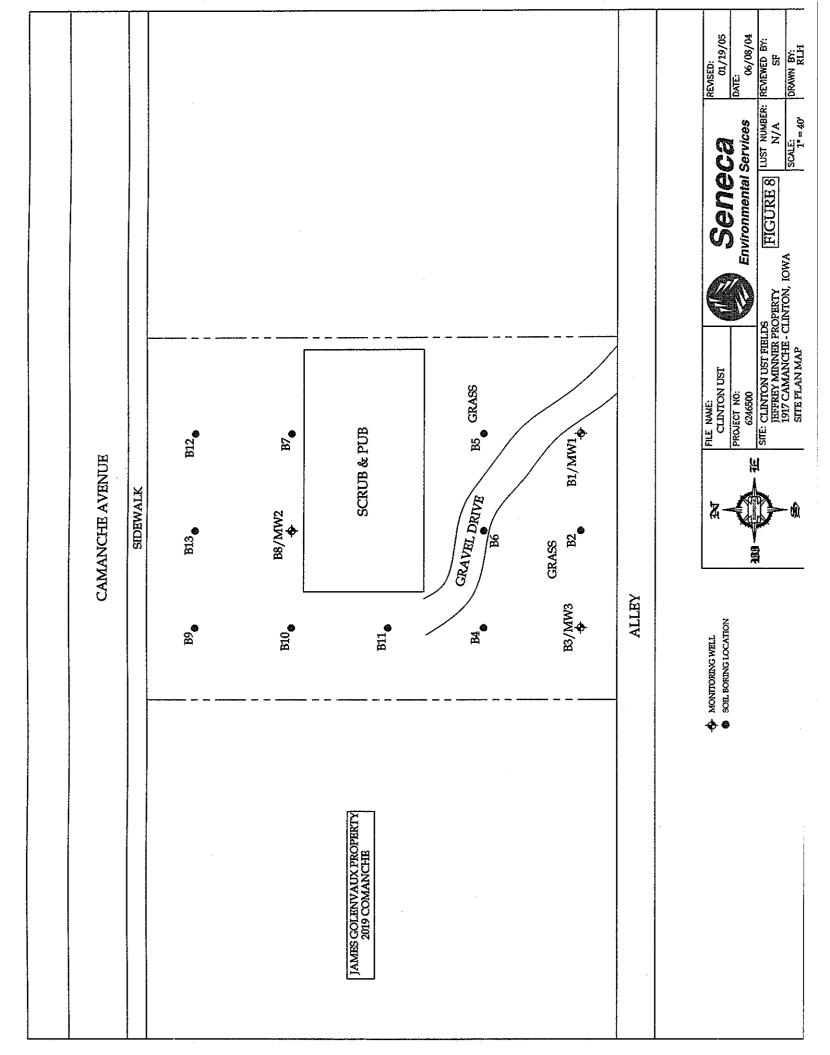
APPENDIX 6

SCRUB AND PUB (H) – 1917 CAMANCHE AVENUE, CLINTON

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



Scrub and Pub Property, 1917 Camanche Avenue



CLINTON USTFIELDS SCRUB AND PUB PROPERTY 1917 CAMANCHE AVE (H)

	rer	LEVEL	N.	¥	Ž	×	Y	N N	Ϋ́	Įχ	N.	Ϋ́	Į Ž	Y	NA	588.45	592.61	588.07	400 11
_	WATER		00		. 9			-		-			1			 Ľ			
SOIL	SAMPLE	DEPTH	8			7	1	8	7	7	10	10	000	9	9	NA	NA	NA	NA
		TOS	NA										NA	NA	NA	602.16 595.16	597.5	596.21	506 21
		TOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	602.16	604.5	603.21	603 21 596 21
GROUND	SURFACE	ELEVATION	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	602.57		603.59	603 50
		MTBE	<10 <0.015	<10 < 0.015	<10 <0.015	<10 <0.015	<10 < 0.015	<10 < 0.015	<10 < 0.015	<10 < 0.015	<10 < 0.015	<10 < 0.015	<10 < 0.015	<10 <0.015	<10 < 0.015	7	⊽	⊽	2
TEH.	WASTE	OIL	<10	<10	<10	<10	<10	70√	<10	01>	<10	<10	<10	<10	<10	<380	<380	477	<380
	TEH.	DIESEL	<10	210	<10	<10	0 1 >	<10	<10	0I∨	<10	<10	01∨	<10	<10	 <380	380	<380	<380
		XXLENE	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.034	<0.015	<0.015	<0.015	<0.015	0.028	9>	Ø	♡	Z
		ETHYLBENZENE XXLENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	₩	⊽	₽	Z
		COLUENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.013	<0.005	<0.005	<0.005	<0.005	<0.005	 <2	▽	⊽	z
		BENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	7	∇	<1	Z
		SOIL/GW BENZENE TOLUENE E	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	ΣW	Wf	Ψť	3W
•		DATE	7/20/2004	7/20/2004	7/20/2004	7/20/2004	7/20/2004	B6 7/20/2004	7/21/2004	7/21/2004	7/21/2004	B10 7/21/2004	7/21/2004	7/21/2004	7/21/2004	MW1 10/6/2004 GW	MW2 10/6/2004 GW	MW3 10/6/2004 GW	MW3 11/16/2004 GW
WELL/	ВН	LABEL	B1 ,	B2 ,	B3 ,		B5 '	B6		B8	B9	B10	B11	B12	B13	 MW1	MW2	MW3	MW3 1.

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

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields—Scrub Facility Street Address: 1917 **B1/MW1** and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 17' x 4 1/4" Drilling Method: Hollow Stem Auger / Air Hammer Well Contractor Name: Robinson Contracting, Inc /Geosource Logged by: Todd Felderman Registration Number: 40617/1413 SENECA **Ground Surface** Top of Casing Elevation (ASL): 602.57 Elevation (ASL): 602.16 Date: 7/20/04 Date: 9/15/2004 UST LUST Start Time: 3:15 pm End Time: 3:00 PM Number: N/A Number: N/A Well Construction Details Depth **Blow Count** Sample PID / FID Rock Formations, Soil Color and Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS -- 0 Well top Surface Cover-Topsoil Bentonite - 1 0 - 2 0 CL| 0'-2' Black Silty Clay - 3 0 2-5' Yellow Layered Rock Riser - 4 0 5'-8' Soft Yellow Layered -- 5 0 Rock, Dry no odor - 6 0 Bedrock @ 8' - 7 0 - 8 **HSA** 0* Sand pack Soil Sample @ 8' - 9 Well Set at 17' -- 10 7' Riser, 10' Screen - 11 - 12 Soil Drilled to 8' 7/20/04 - 13 Bedrock drilled from 8 to 17' - 14 9/15/04 — 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:	588.45		
Static Water Level Symbol v	Time:	10 AM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields—Scrub Facility Street Address: 1917 **B8/MW2** and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 17' x 4 1/4" Drilling Method: Hollow Stem Auger / Air Hammer Well Contractor Name: Robinson Contracting, Inc./Geosource Logged by: Todd Felderman Registration Number: 40617/1413 SENECA **Ground Surface** Top of Casing Elevation (ASL): 604.82 Elevation (ASL): 604.50 Date: 7/21/04 Date: 9/15/2004 **UST** LUST Start Time: 6:30 am End Time: 11:00 AM Number: N/A Number: N/A Depth Well Construction Details **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable No.. Type* Readina (moisture, odor, etc.) First column for USCS Well top -- 0 Surface Cover-Concrete Bentonite - 1 0 2 0 1-2' Sand/Brick Fill - 3 0 Riser - 4 CL| 2-3' Black Silty Clay 0 -- 5 0 CL 3-5' Brown Silty Clay - 6 0 5-7' Soft Yellow Rock, - 7 **HSA** 0* Layered - 8 Bedrock @ 7' -Sand pack - 9 EOB= 7' - 10 - 11 Soil Sample @ 7' ٧ - 12 Well Set at 17' - 13 7' Riser, 10' Screen - 14 -- 15 Soil Drilled to 7' 7/21/04 - 16 Bedrock drilled from 7 to 17' 9/15/04 - 17 - 18 - 19 Well completed with 2" SCH 40 -- 20 PVC with 10-slot, 10' screen.

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

Observations	Date:	10/06/2004		
Water Levels (ASL)	Level:	592.61	 	
Static Water Level Symbol v	Time:	10 AM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields-Scrub Facility Street Address: 1917 B3/MW3 and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 17' x 4 1/4" Drilling Method: Hollow Stem Auger / Air Hammer Well Contractor Name: Robinson Contracting, Inc /Geosource Logged by: Todd Felderman Registration Number: 40617/1413 SENECA **Ground Surface** Top of Casing Elevation (ASL): 603.59 Elevation (ASL): 603.21 Date: 7/20/04 Date: 9/15/2004 UST LUST Start Time: 4:15 pm End Time: 4:00 PM Number: N/A Number: N/A Depth Well Construction Details PID / FID **Blow Count** Sample Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Well top -0Surface Cover-Topsoil Bentonite - 1 0 - 2 0 SP| 1-4' Sand Fill - 3 0 Riser - 4 CL| 4-6' Brown Silty Clay, no 0 odor, damp -- 5 0 - 6 **HSA** 0* - 7 Bedrock @ 6' - 8 EOB=6' Sand pack - 9 **- 10** Soil Sample @ 6' - 11 Well Set at 17' - 12 7' Riser, 10' Screen - 13 Soil Drilled to 6' 7/20/04 - 14 Bedrock drilled from 6 to 17' -- 15 9/15/04 - 16 - 17 - 18 - 19 Well completed with 2" SCH 40 -20PVC with 10-slot, 10' screen.

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

Observations	Date:	10/06/2004		
Water Levels (ASL)	Level:	588.07		
Static Water Level Symbol v	Time:	10 AM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B2 Facility Name: Clinton UST Facility Street Address: 1917 Fields-Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 7.5' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/20/04 Date: 7/20/04 UST LUST Start Time: 3:45 pm End Time: 4:15 pm Number N/A Number N/A Depth Well Construction Details **Blow Count** Rock Formations, Soil, Color and Sample PID / FID Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover-Topsoil 0 1 0 CLI 1'-2' Black Silty Clay 2 0 SWI 2-4' Sand and Rock Fill 3 **Monitoring Well Not** 0 CLj 4-6' Silty Clay, no odor Installed 4 5 0 6-7.5' Layered yellow rock **Boring Backfilled with** 6 Bedrock @ 7.5' **Bentonite** 7 0* **HSA** EOB= 7.5' 8 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:	7/20/04		
Water Levels (ASL)	Level:	_		
Static Water Level Symbol v	Time:	-		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B4 Facility Name: Clinton UST Facility Street Address: 1917 Fields—Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 7' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/20/04 Date: 7/20/04 UST LUST Start Time: 4:45 pm End Time: 5:15 pm Number N/A Number N/A Well Construction Details Depth **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover-Gravel 0 1 0 ML| 1-2' Black Silt, Dry, No 2 odor 0 3 **Monitoring Well Not** 0 Installed 2-4' Fill 4 0 5 0 CL 4-7' Brown Silty Clay, damp, no odor **Boring Backfilled with** 6 0 **Bentonite** Bedrock @ 7' 1 **HSA** 0* 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:	7/20/04			
Water Levels (ASL)	Level:	_		 	
Static Water Level Symbol v	Time:	-			

sc	IL BORIN	IG LOG AND MO	ONITORING	3 WEI	LL CO	NSTRUC	CTION DIAGRAM		
Boring /	Well Number:	Facility Name Fields—Scrub			Facility Street Address: 1917 Camanche, Clinton, IA				
Boring [Depth (ft) X D	iameter (in): 7' x 8.25"				Drilling Method: HSA			
		: Robinson Contracting,	Inc.			Logged by:	Todd Felderman		
	tion Number:	40617		 		ļ			
Ground Surface				Top of	Casing				
Elevation (ASL): N/A				Elevat	ion (ASL): N/A			
Date: 7/	Date: 7/20/04 Date: 7/20/04			UST			LUST		
Start Tir	ne: 5:15 pm	End Time: 5:45 pm	•	Numb	er N/A		Number N/A		
Depth	Well Constru	iction Details	Blow Count	Sample)	PID/FID	Rock Formations, Soil, Color and		
(feet)			if applicable	No.	Type*	Reading	Classifications, Observations (moisture, odor, etc.) First column for USCS		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Boring l	oring Well Not nstalled Backfilled with entonite		1	HSA	0 0 0 0 0 0*	Surface Cover-Gravel ML 1-2' Black Silt, Dry, No odor SPI 2-4' Sand CL 4-5' Brown Silty Clay, 5-7' Yellow Rock, Layered, No Odor Bedrock @ 7' EOB= 7' Soil Sample @ 7'		

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

Observations	Date:	7/20/04		
Water Levels (ASL)	Level:	_		
Static Water Level Symbol v	Time:	_		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B6 Facility Name: Clinton UST Facility Street Address: 1917 Fields—Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 8' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/20/04 Date: 7/20/04 UST LUST Start Time: 5:45 pm End Time: 6:00 pm Number N/A Number N/A Depth Well Construction Details **Blow Count** Sample PID / FID Rock Formations, Soil Color and Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover-Gravel 0 1 0 SP] 1-4' Sand 2 0 **Monitoring Well Not** 3 0 4-5' Concrete CL| 5-7' Brown Silty Clay, no Installed 0 odor, damp 5 0 **Boring Backfilled with** 5-8' Yellow Rock, Layered, 6 0 **Bentonite** 7 Bedrock @ 8' 8 **HSA** 0* 1 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:	7/20/04	
Water Levels (ASL)	Level:	_	
Static Water Level Symbol v	Time:	-	

so	IL BORIN	IG LOG AND MO	ONITORING	3 WE	LL CO	NSTRUC	CTION DIAGRAM		
Boring /	Well Number:	B7	Facility Name Fields—Scrub				et Address: 1917 , Clinton, IA		
Boring D	Depth (ft) X D	iameter (in): 7.5' x 8.25")		·	Drilling Method: HSA			
•	ntractor Name	: Robinson Contracting, 40617	. Inc.			Logged by:	Todd Felderman		
Ground Elevation		Top of Casing Elevation (ASL): N/A							
Date: 7/2	21/04	Date: 7/21/04		UST		•	LUST		
Start Tin	ne: 6:00 am	End Time: 6:30 am		Numb	er N/A		Number N/A		
Depth (feet)	Well Constru	oction Details	Blow Count if applicable	Sample No.	e Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Boring l	oring Well Not nstalled Backfilled with entonite		1	HSA	0 0 0 0 0 0*	Surface Cover-Concrete SP 1-2' Sand CL 2-5' Brown Silty Clay, no odor, dry 5-7.5' Soft Yellow Rock, Layered Bedrock @ 7.5' EOB= 7.5' Soil Sample @ 7'		

*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:	_		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B9 Facility Name: Clinton UST Facility Street Address: 1917 Fields—Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 10' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/21/04 Date: 7/21/04 UST LUST Start Time: 7:15 am End Time: 8:00 am Number N/A N/A Number Depth **Blow Count** PID / FID Rock Formations, Soil, Color and Well Construction Details Sample Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover-Concrete 0 1 0 ML| 1-2' Sand/Silt Dry 2 0 3 **Monitoring Well Not** 0 CL| 2-3' Black Silty Clay Installed 4 0 CL| 3-5' Dark Brown Silty 5 0 Clay, no odor **Boring Backfilled with** 6 0 SPI 5-6' Sand **Bentonite** 0 CL| 6-8' Brown Silty Clay 8 0 8-10' Fractured yellow rock 9 0 10 1 **HSA** 0* Bedrock @ 10' 11 EOB = 10' 12 Soil Sample @ 10' 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:		·	

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B10 Facility Name: Clinton UST Facility Street Address: 1917 Fields—Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 10' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/21/04 Date: 7/21/04 UST LUST Start Time: 8:00 am End Time: 8:30 am Number N/A Number N/A Depth Well Construction Details **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover-Concrete 0 1 0 ML| 1-2' Sand/Silt Dry 2 0 3 **Monitoring Well Not** 0 CL] 2-6' Dark Brown Silty Installed 4 0 Clay, no odor, damp 5 0 **Boring Backfilled with** 6 0 6-10' Fractured yellow rock, **Bentonite** 7 soft, no odor 0 8 0 Bedrock @ 10' 9 0 EOB = 10'0* 10 1 **HSA** Soil Sample @ 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:	and .		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B11 Facility Name: Clinton UST Facility Street Address: 1917 Fields—Scrub and Pub Camanche, Clinton, IA Boring Depth (ft) X Diameter (in): 8' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 7/21/04 Date: 7/21/04 UST LUST Start Time: 8:30 am End Time: 9:00 am Number N/A Number N/A Depth Well Construction Details **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover-Concrete 0 1 0 ML| 1-2' Silt Dry 2 0 3 **Monitoring Well Not** 0 CL| 2-5' Dark Brown Silty Installed 4 0 Clay, no odor, damp 5 0 **Boring Backfilled with** 6 0 5-8' Yellow rock, soft, no **Bentonite** odor 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:	man.		
Static Water Level Symbol v	Time:			

so	IL BORIN	G LOG AND MO	ONITORING	3 WE	LL CC	NSTRUC	CTION DIAGRAM		
Boring /	Well Number:	B12	Facility Name: Fields—Scrub	Facility Name: Clinton UST Fields—Scrub and Pub			Facility Street Address: 1917 Camanche, Clinton, IA		
Boring E	Boring Depth (ft) X Diameter (in): 7' x 8.25"					Drilling Met	hod: HSA		
	ntractor Name ation Number:	, Inc.			Logged by:	Todd Felderman			
Ground Elevation	Surface n (ASL): N/A				f Casing ion (ASL): N/A			
Date: 7/:		Date: 7/21/04		UST			LUST		
	ne: 9:00 am	End Time: 9:30 am		 	er N/A		Number N/A		
Depth (feet)	Well Constru	ction Details	Blow Count if applicable	Sample No.	e Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	li Boring I	oring Well Not nstalled Backfilled with entonite		1	HSA	0 0 0 0 0 0*	Surface Cover-Concrete CL 1-5' Dark Brown Silty Clay, no odor, damp SP 5-6' Sand 6-7' Cobbles Bedrock @ 7' EOB = 7' Soil Sample @ 6'		

*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:	-	 	

so	IL BORIN	G LOG AND MC	ONITORING	S WE	LL CO	NSTRUC	CTION DIAGRAM		
Boring /	Well Number:	B13		Facility Name: Clinton UST Fields—Scrub and Pub			Facility Street Address: 1917 Camanche, Clinton, IA		
Boring D	Depth (ft) X D	iameter (in): 6' x 8.25"				Drilling Met	hod: HSA		
	ntractor Name	: Robinson Contracting, 40617	Inc.			Logged by:	Todd Felderman		
Ground Elevation	Surface n (ASL): N/A				Casing): N/A			
Date: 7/2	21/04	Date: 7/21/04		UST			LUST		
Start Tin	ne: 9:30 am	End Time: 10:00 am		Numbe	er N/A		Number N/A		
Depth (feet)	Well Constru	ction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	I Boring	oring Well Not nstalled Backfilled with entonite		1	HSA	O O O O*	Surface Cover-Topsoil SP 1-2' Sand CL 2-5' Dark Brown Silty Clay, no odor, damp 5-6' Cobbles Bedrock @ 6' EOB = 6' Soil Sample @ 6'		

* 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:	-			

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

08/02/2004

TestAmerica Job: 04.09865

Bettendorf, IA 52722

Project Number: 6246500

Project: Clinton UST - Scrub & Pub

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

Sample <u>Number</u>	Sample De	escription	Date <u>Taken</u>	Date <u>Received</u>
813331 813332 813333 813334 813335 813336 813337 813338 813339 813340 813341 813342	B1 8' B2 7' B3 6' B4 7' B5 7' B6 8' B7 7' B8 7' B9 10' B10 10' B11 8' B12 6'		07/20/2004 07/20/2004 07/20/2004 07/20/2004 07/20/2004 07/20/2004 07/21/2004 07/21/2004 07/21/2004 07/21/2004 07/21/2004 07/21/2004	07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004 07/23/2004
813343	B13 6'		07/21/2004	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 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

08/02/2004

Job Number: 04 09865

Bettendorf, IA 52722 800-728-6900

Sample Number: 813331

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

6246500

Date Taken: 07/20/2004

6246500						B-6- B44	07/02/0004	
Sample ID: B1 8'			Result		Date	Date Received	Ouantitation	
Analyte USI VOLAIILE COMPOUNDS - 8260	Result	Units	Flaq	<u>Analyst</u>	Analyzed	<u>Method</u>	Limit	Matrix
OSI VOLATILE COMPOUNDS - 8260								
Benzene	<0005	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	SOII
Xylenes Iotal	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	som
MIBE	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0 015	som
Extraction Prep. soil	COMPLEIE			krb	07/26/2004	IOWA-0A2		som
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	som
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-0A2/\$-8015	10	SOII
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL



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

Job Number: 04.09865

08/02/2004

Bettendorf, IA 52722 800-728-6900

Sample Number: 813332

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/20/2004

6246500

Date Received: 07/23/2004

Sample ID: B2 7'						Date Received:	07/23/2004	
			Result		Date		Quantitation	
Analyte	<u>Result</u>	<u>Units</u>	Flaq	<u>Analyst</u>	<u>Analyzed</u>	<u>Method</u>	Limit	<u>Matrix</u>
USI VOLAIILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0 005	son
Toluene	<0005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0 005	som
Xylenes, Total	<0.,015	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0 015	SOIL
MIBE	<0015	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0 015	SOIL
Extraction Prep, soil	COMPLETE			krb	07/26/2004	IOWA-0A2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	som
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	son
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL



ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722

800-728-6900

Sample Number: 813333

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINION USI - SCRUB & PUB

6246500

Date Taken: 07/20/2004

6246500								
Sample ID: B3 6'	-					Date Received:		
			Result		Date		Quantitation	
Analyte	Result	<u> Units</u>	Flag	<u>Analyst</u>	Analyzed	<u>Method</u>	Limit	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Toluene	<0.005	mg/kg		mmic	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
		,.				** 0* 1/00/05	0.015	G0.TT
MIBE	<0015	mg/kg		mmk	07/31/2004	TA OA-1/8260B	0015	SOIL
				krb	07/26/2004	IOWA-0A2		SOIL
Extraction Prep, soil	COMPLEIE			KED	07/26/2004	IOWA-UAZ		SOLD
EXIRACIABLE HYDROCARBONS-SOIL								
Title 2 Posture at a bill a third an anathrana	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOII
Total Extractable Hydrocarbons	<10	mg/kg		amı	07/30/2004	IA-ORZ/ 5-0015	10	5011
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOII
Diesel	<10	mg/ kg		anui	07/30/2004	IA-0R2/5-0015	10	0011
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOII
Gasorrie	/10	₩9/ ₽ 9		CAMMA	0./30/2004	2 0, 0 0013		
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
MOCOL OIL	~10			Contra Co	0.,00,200	, 0 0040		

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

Job Number: 04.09865

Bettendorf, IA 52722 800-728-6900

Sample Number: 813334

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

08/02/2004

Job Description: CLINION USI - SCRUB & PUB

6246500

Date Taken: 07/20/2004

0240300								
Sample ID: B4 7'			Result		Date	Date Received:	07/23/2004 Quantitation	
Analyte USI VOLATILE COMPOUNDS - 8260	Result	<u>Units</u>	Flaq	Analyst	Analyzed	Method	Limit	<u>Matrix</u>
Benzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	sorr
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Ethylbenzene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Xylenes, Iotal	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOII
MIBE	<0 015	mg/kg		mmk	07/31/2004	IA QA-1/8260B	0 015	SOIL
Extraction Prep, soil	COMPLETE			krb	07/26/2004	IOWA-0A2		SOII
EXIRACTABLE HYDROCARBONS-SOII								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/30/2004	IA-0A2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL

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

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722

Sample Number: 813335

800-728-6900

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINION USI - SCRUB & PUB

6246500

Date Taken: 07/20/2004

Sample ID: B5 7'

Date Received: 07/23/2004

Sambre in: B2 /,					Date Received	: 07/23/2004	
·		Result	:	Date		Quantitation	
Analyte USI VOLATILE COMPOUNDS - 8260	Result	<u>Units</u> Flaq	<u>Analyst</u>	Analyzed	<u>Method</u>	Limit	<u>Matrix</u>
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	<0005	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	<0015	mg/kg	mmk.	07/31/2004	IA OA-1/8260B	0 015	son
Extraction Prep, soil	COMPLETE		krb	07/26/2004	IOWA-0A2		son
EXTRACTABLE HYDROCARBONS-SOIL							
Total Extractable Hydrocarbons	<10	mg/kg	amn	07/30/2004	IA-0A2/S-8015	10	SOIL
Diesel	<10	mg/kg	amn	07/30/2004	IA-0A2/S-8015	10	SOIL
Gasoline	<10	mg/kg	amn	07/30/2004	IA-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg	amn	07/30/2004	IA-OA2/S-8015	10	SOIL



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: 04.09865

Sample Number: 813336

Collected by: Fodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/20/2004

6246500

Sample ID: B6 8'						Date Received:	07/23/2004	
			Result		Date		Quantitation	
<u>Analyte</u>	Result	<u>Units</u>	<u>Flaq</u>	Analyst	Analyzed	Method	Limit	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0005	mg/kg		mmik	07/31/2004	IA QA-1/8260B	0005	SOIL
Toluene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	son
Xylenes Total	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0015	som
MIBE	<0.015	mg/kg		mmk ·	07/31/2004	IA OA-1/8260B	0015	SOIL
Extraction Prep soil	COMPLETE			krb	07/26/2004	IOWA-0A2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/31/2004	IA-0A2/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-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/31/2004	IA-QA2/S-8015	10	SOIL

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ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV 17851 244th Avenue

08/02/2004

Bettendorf, IA 52722 800-728-6900

Job Number: 04.09865

Sample Number: 813337

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/21/2004

6246500

Sample ID: B7 7'						Date Received:	07/23/2004	
			Result		Date		Quantitation	
Analyte	Result	Units	Flaq	<u>Analyst</u>	Analyzed	Method	Limit	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
l'oluene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Ethylbenzene	<0.005	mg/kg		mmic	07/31/2004	IA OA-1/8260B	0005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0015	som
MIBE	<0 015	mg/kg		mmk.	07/31/2004	IA OA-1/8260B	0015	SOIL
		٠. ٥						
Extraction Prep soil	COMPLEIE			acm	07/27/2004	IOWA-0A2		SOIL
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		1jm	07/29/2004	IA-OA2/S-8015	10	son
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	som
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	som
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

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

ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 08/02/2004

17851 244th Avenue

Job Number: 04.09865

Collectors Phone No.: 800-369-3500

Bettendorf, IA 52722 800-728-6900

Collected by: Todd Felderman

Sample Number: 813338

Job Description: CLINION USI - SCRUB & PUB Date Taken: 07/21/2004

6246500

Date Received: 07/23/2004 Sample ID: B8 7' Quantitation Date Result Limit Matrix Units Flag Analyst Analyzed <u>Analyte</u> Result Method USI VOLATILE COMPOUNDS - 8260 07/31/2004 IA OA-1/8260B 0..005 SOIL Benzene < 0 005 mg/kg mmk SOTE roluene 0.013 mg/kg mmk 07/31/2004 IA OA-1/8260B 0.005 <0 005 07/31/2004 IA OA-1/8260B 0 005 SOIL Ethylbenzene mg/kg 07/31/2004 IA OA-1/8260B 0 015 SOIL Xylenes, Total 0.034 mg/kg mmk < 0 015 ma/ka 07/31/2004 IA OA-1/8260B 0 015 SOIL MIRE mmk SOIL COMPLEIE 07/27/2004 IOWA-OA2 Extraction Prep soil acm EXTRACTABLE HYDROCARBONS-SOIL SOIL Total Extractable Hydrocarbons <10 mg/kg 1jm 07/29/2004 IA-OA2/S-8015 10 1jm 07/29/2004 IA-OA2/S-8015 SOIL Diesel mg/kg 07/29/2004 IA-0A2/S-8015 SOIL Gasoline <10 mg/kg 1jm

mg/kg

All results are calculated on a wet weight basis

<10

Motor Oil

IA-OA2/S-8015

SOIL

1jm

07/29/2004



ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.09865

08/02/2004

Bettendorf, IA 52722

Sample Number: 813339

800-728-6900

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON UST - SCRUB & PUB

Date Taken: 07/21/2004

6246500 Sample ID: B9 10

Date Received: 07/23/2004

Sample ID: B9 10'						Date Received	: 07/23/2004	
			Result		Date		Quantitation	
Analyte USI VOLATILE COMPOUNDS - 8260	Result	<u>Units</u>	Flag	<u>Analyst</u>	Analyzed	Method	Limit	Matrix
Benzene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Toluene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	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	soir
MIBE	<0015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep soil	COMPLEIE			acm	07/28/2004	IOWA-0A2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOII

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

ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 08/02/2004

17851 244th Avenue

Job Number: 04.09865

Bettendorf, IA 52722 800-728-6900

Sample Number: 813340

Collected by: Todd Felderman Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/21/2004

6246500 Date Received: 07/23/2004 Sample ID: B10 10' Quantitation Result Date Analyst Analyzed Limit <u>Matrix</u> <u>Units</u> Flaq Method Result <u>Analyte</u> USI VOLATILE COMPOUNDS - 8260 SOIL 07/31/2004 IA OA-1/8260B 0.005 Benzene < 0 005 mg/kg mmk SOIL IA OA-1/8260B 0..005 Toluene <0 005 mg/kg mmk 07/31/2004 SOTT Ethylbenzene <0 005 mg/kg 07/31/2004 IA OA-1/8260B 0..005 Xylenes, Total <0.015 07/31/2004 IA OA-1/8260B 0 015 SOIL mg/kg MIBE <0 015 mg/kg 07/31/2004 IA OA-1/8260B 0.015 SOIL 07/28/2004 IOWA-0A2 SOIL COMPLETE Extraction Prep, soil acm EXIRACIABLE HYDROCARBONS-SOIL SOIL 07/30/2004 IA-QA2/S-8015 10 Total Extractable Hydrocarbons <10 mg/kg 11m Diesel <10 mg/kg 1jm 07/30/2004 IA-OA2/S-8015 10 SOIL Gasoline 1jm 07/30/2004 IA-OA2/S-8015 10 SOTE <10 mg/kg Motor Oil 07/30/2004 IA-OA2/S-8015 10 SOIL

All results are calculated on a wet weight basis.

<10

mg/kg



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

Job Number: 04.09865

Bettendorf, IA 52722

Sample Number: 813341

800-728-6900

Collectors Phone No.: 800-369-3500

08/02/2004

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/21/2004

6246500

Collected by: Todd Felderman

Date Received: 07/23/2004

Sample ID: Bl1 8'						Date Received:		
<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date Analyzed	Method	Quantitation Limit	<u>Matrix</u>
USI VOLAIILE COMPOUNDS - 8260	.0.005	()			07/21/2004	TA ON 1/02600	0.005	SOIL
Benzene	<0 005	mg/kg mg/kg		mmk mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
Ethylbenzene	<0005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
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	0015	SOIL
Extraction Prep, soil	COMPLEIE			acm	07/28/2004	IOWA-0A2		SOIL
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		1j m	07/30/2004	IA-0A2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		1jm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

TestAmerica Analytical Testing Corporation | TestAmerica Drilling Corporation | TestAmerica Air Emission Corporation

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

Job Number: 04.09865

08/02/2004

Bettendorf, IA 52722 800-728-6900

Sample Number: 813342

Collected by: Fodd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB 6246500

Date Taken: 07/21/2004

					Date Received:	07/23/2004	
		Result		Date		Quantitation	
<u>Result</u>	<u>Units</u>	Flaq	<u>Analyst</u>	Analyzed	<u>Method</u>	Limit	<u>Matrix</u>
<0.005	ma/ka		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
				. ,			
<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0005	SOIL
					/0000	2 225	SOIL
<0 005	mg/kg		mmk.	07/31/2004	IA OA-1/8260B	0005	SOLE
<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0015	SOIL
<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOII
COMPLETE			acm	07/28/2004	TOWA-DA2		SOIL
COMPLEID			CC	01/20/2001			
<10	ma/ka		lim	07/30/2004	IA-OA2/S-8015	10	SOIL
~~0	9/ 109		-5	0.7,007,-00-	211 2112, 2 11==		
<10	mg/kg		ljm	07/30/2004	IA-0A2/S-8015	10	SOIL
							2077
<10	mg/kg		Ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
	<0 005 <0 005 <0 005 <0 015 <0 015 <0.015 COMPLEIE <10 <10	No. No.	<0 005 mg/kg <0 005 mg/kg <0 005 mg/kg <0 015 mg/kg <0 015 mg/kg <0 015 mg/kg <10 mg/kg <10 mg/kg	Result Units Flag Analyst <0 005	Result Units Flag Analyst Analyzed <0 005	Result Dnits Flaq Analyst Analyzed Method <	Result Date Quantitation <0 005



ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

08/02/2004

Bettendorf, IA 52722 800-728-6900

Job Number: 04 09865

Sample Number: 813343

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB

Date Taken: 07/21/2004

6246500

Sample ID: B13 6'						Date Received:	07/23/2004	
			Result		Date		Quantitation	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Analyst</u>	<u>Analyzed</u>	Method	<u>Limit</u>	<u>Matrix</u>
USI VOLAIILE COMPOUNDS - 8260								
Benzene	<0005	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0005	SOIL
		5, 5						
Toluene	<0005	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0 005	SOII
W. N N	.0.005	/1			08/01/2004	IA OA-1/8260B	0 005	SOIL
Ethylbenzene	<0 005	mg/kg		mmk	08/01/2004	IA UA-1/8260B	0 005	SOLD
Xylenes Total	0 028	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0 015	son
MIBE	<0015	mg/kg	I	mmk	08/01/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLEIE			acm	07/28/2004	IOWA-0A2		SOIL
Literature Chap, Bonn	*****			*				
EXIRACIABLE HYDROCARBONS-SOIL								
Tabal Bubunatahla Madaganhang	<10	mg/kg		1jm	07/30/2004	IA-0A2/S-8015	10	SOII
Iotal Extractable Hydrocarbons	<10	aig/ kg		1)!!!	07/30/2004	1R-0R2/3-0013	10	5011
Diesel	<10	mg/kg		1jm	07/30/2004	IA-0A2/S-8015	10	SOIL
Gasoline	<10	mg/kg		1jm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		1jm	07/30/2004	IA-QA2/S-8015	10	SOIL
				-3				

All results are calculated on a wet weight basis. I - LCS recovery is outside of control limits



TestAmerica Job Number: 04 09865

ATTACHMENTS

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

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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

@senecaco.com Project Name: Clinton UST - Secus 3 Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401 Fax: 319 - 277 - 2425 Project Manager: Mank Wieh Project Number: 6346500 Proj. Man. E-mail Address: Proi. Man. Telephone: TA Quote #: Your PO #: Invoice To: 563-332-9465 Fax: 17851 - 244th Avenue, P.O. Box 1208 Seneca Environmental Bettendorf, IA 52722 Cedar Falls Division 704 Enterprise Drive Cedar Falls, IA 50613 Todd Feberman Susan Freth 563-332-2272 Send Report To: Sampled by: (Print Name) Address: Telephone Number: (Signature)__ City/State/Zip Code: Company:

	Send QC with report														[8	2	
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Test/America

Cedar Falls Division 704 Enterprise Drive Cedar Falls, IA 50613

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

@senecaco.com した。つなこ Project Name: Clinfon 1157 Project Number: 2346500 Proj. Man. E-mail Address: Proj. Man. Telephone: Project Manager: Invoice To: TA Quote #: Your PO #: 563-332-9465 17851 - 244th Avenue, P.O. Box 1208 Fax: Seneca Environmental Felderman Bettendorf, IA 52722 Frest 563-332-2272 SMSAN 100 Total d Send Report To: (Signature) City/State/Zip Code:___ Telephone Number: Sampled by: (Print Name) Company: Address:

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Laboratory Comments

Temperature Upon Receipt

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ANALYTICAL REPORT

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Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/19/2004

TestAmerica Job: 04.14175

Bettendorf, IA 52722

Project Number: 6246500

Project: Clinton UST-Scub N Pub

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

Sample	Sample Description	Date	Date
<u>Number</u>		<u>Taken</u>	<u>Received</u>
829620	MW1	10/06/2004	10/08/2004
829621	MW2	10/06/2004	10/08/2004
829622	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



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

Job Number: 04.14175

Sample Number: 829620

Bettendorf, IA 52722 800-728-6900

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

10/19/2004

Job Description: CLINION USI-SCRUB N PUB 3246500

Date Taken: 10/06/2004

Sample ID: MW1

Date Received: 10/08/2004

Analyte USI VOLATILE COMPOUNDS - 8260	<u>Result</u>	<u>Units</u>	Result <u>Flaq</u> R	<u>Analyst</u>	Date <u>Analyzed</u>	Method	QuantitationLimit	<u>Matrix</u>
Benzene	<2.0	ug/I		sjn	10/13/2004	IA OA-1/8260B	2 0	WAIER
Toluene	<20	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/I		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	COMPLETE			acm	10/08/2004	IOWA-0A2		WAIER
EXIRACIABLE HYDROCARBONS-WATER								
Iotal Extractable Hydrocarbons	<380	ug/L		1jm	10/19/2004	IA-0A2/S-8015	380	WAIER
Diesel	<380	ug/I		1jm	10/19/2004	IA-OA2/S-8015	380	WAIER
Gasoline	<380	ug/I		ljm	10/19/2004	IA-0A2/S-8015	380	WAIER
Motor Oil	<380	ug/I		ljm	10/19/2004	IA-0A2/S-8015	380	WAIER
VOA Preservation pH	>2	units		sjg	10/13/2004	SW 9041A		WAIER

R - Reporting limit elevated due to matrix interferences



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

Job Number: 04.14175

10/19/2004

Bettendorf, IA 52722 800-728-6900 Sample Number: 829621

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CLINION USI-SCRUB N PUB 3246500

Date Taken: 10/06/2004

Sample ID: MW2

Date Received: 10/08/2004

sample in: Mwz						Date Received	: 10/08/2004	
			Result		Date		Quantitation	
Analyte	Result	<u>Units</u>	<u>Flaq</u>	<u>Analyst</u>	Analyzed	Method	Limit	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<1.0	ug/I		sjn	10/13/2004	IA OA-1/8260B	1 0	WAIER
Ioluene	<10	ug/I		sjn	10/13/2004	IA OA-1/8260B	1 0	WAIER
Ethylbenzene	<10	ug/I		sjn	10/13/2004	IA OA-1/8260B	1 0	WAIER
Xylenes	<3∴0	ug/I		sjn	10/13/2004	IA OA-1/8260B	3 0	WAIER
MIBE	<10	ug/I		sjn	10/13/2004	IA OA-1/8260B	1 0	WAIER
Dubusahilas Dasa	CONTINUE				10/00/0004	****		
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-0A2		WAIER
EXIRACIABLE HYDROCARBONS-WATER								
Iotal Extractable Hydrocarbons	<380	ug/I		ljm	10/18/2004	IA-0A2/S-8015	380	WAIER
Total Extractable hydrocarbons	1300	ug/I		1)	10/10/2004	1A-0A2/5-8015	300	WAIEK
Diesel	<380	ug/I		ljm	10/18/2004	IA-0A2/S-8015	380	WAIER
Gasoline	<380	uq/I		1jm	10/18/2004	IA-0A2/S-8015	380	WAIER
Gustant	1300	ug/I		1,,,,,	10/10/2004	14-042/3-0013	300	WATER
Motor Oil	<380	ug/I		ljm	10/18/2004	IA-0A2/S-8015	380	WAIER
VOA Preservation pH	<2	units		sjg	10/14/2004	SW 9041A		WATER
ton Treservacion bu	74	unii (5		218	10/11/2004	34 304TW		MUTER

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

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 10/19/2004

17851 244th Avenue

Job Number: 04,14175

Bettendorf, IA 52722 800-728-6900

Sample Number: 829622

IA OA-1/8260B

SW 9041A

Collected by: Mark Diehl Collectors Phone No : 800-369-3500

Job Description: CLINION USI-SCRUB N PUB

<1..0

Date laken: 10/06/2004

1 0

WATER

3246500

Date Received: 10/08/2004

Sample ID: MW3

VOA Preservation pH

Analyte

Benzene

Ioluene

Result Quantitation Date Result <u>Units</u> Flag Analyst Analyzed Method __Limit_ <u>Matrix</u> USI VOIAIIIE COMPOUNDS - 8260 <1.0 ug/L sjn 10/13/2004 IA OA-1/8260B 1.0 WAIER <1 0 ug/I sjn 10/13/2004 IA OA-1/8260B 1..0 WAIER

Ethylbenzene 10/13/2004 ug/I sjn WAIER Xylenes <3..0 10/13/2004 IA OA-1/8260B 3 0 WAIER ug/I sjn MIBE <1..0 10/13/2004 IA OA-1/8260B WAIER ug/I ទាំព

Extraction Prep COMPLEIE 10/08/2004 TOWA-0A2 WAIER acm EXTRACIABLE HYDROCARBONS-WAIER

Total Extractable Hydrocarbons 477 ug/I ljm 10/18/2004 IA-OA2/S-8015 380 WAIER Diesel <380 ug/I 1jm 10/18/2004 IA-OA2/S-8015 380 WAIER

Gasoline <380 ug/I ljm 10/18/2004 IA-OA2/S-8015 380 WAIER Motor Oil 477 10/18/2004 IA-OA2/S-8015 WATER ug/I 1jm

sia

units

All results are calculated on a wet weight basis.

<2

10/14/2004



TestAmerica Job Number: 04.14175

ATTACHMENTS

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

Test/merical AMAINTICAL AMAINTICAL TESTING CORPORATION

Cedar Falls Division 704 Enterprise Drive Cedar Falls, IA 50613

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

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

QC beliverables 1265 (Batch QC) __Level 3 Level 2 Level 4 REMARKS None Other: Project Name: Clinton 1151 - Serup 10 Ś ğ LABORATORY COMMENT 6246500 Climber Report To: Man R Analyze For Site/Location ID: Project #: Quote #: Invoice To: W MTBE CYO × 140 Preservation & # of Containers Other (Specify) Client #: ionsman OSZ 49OH æ 9 d) IOH CONI Matrix Specify Other WW - Wastewater シノクトナイン 25 60 SL - Studge DW - Drinking Water GW - Groundwater S - Soil/Solid ダチンシュ Client Name Sevece Environmental Field Fittered G = Grab, C = Composite وج ¢2 3.8 (8) (8) 12 Ś Time Sampled 344 10/6/04 9/01 City/State/Zip Code: Dettendal Date Sampled 10/0/ Mark Address: 1785/ Project Manager: Mas R Rush (surcharges may apply) Sampler Name: (Print Name) Sampler Signature: Email Address: Telephone Number: Special Instructions: MW3 mw3 Email Results: Fax Results: Date Needed: n_{ω} Standard SAMPLE ID

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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

11/22/2004

TestAmerica Job: 04.16323

Bettendorf, IA 52722

Project Number: 6246500 Project: Scrub & Pub

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

Sample	Sample Description	Date	Date
<u>Number</u>		<u>Taken</u>	<u>Received</u>
837767	MW3	11/16/2004	11/18/2004

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



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ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 11/22/2004

17851 244th Avenue

Job Number: 04.16323

Bettendorf, IA 52722 800-728-6900

Sample Number: 837767

Collected by: Jacque Akers

Collectors Phone No.: 800-369-3500

Job Description: SCRUB & PUB

Daté Iaken: 11/16/2004

Sample ID: MW3		,	Result		Date	Date Received:	,,	
Analyte Extraction Prep	Result COMPLEIE	<u>Units</u>	Flag	<u>Analyst</u> acm	Date <u>Analyzed</u> 11/18/2004	Method IOWA-0A2	QuantitationLimit	<u>Matrix</u> WAIER
EXIRACIABLE HYDROCARBONS-WAIER								
Iotal Extractable Hydrocarbons	<380	ug/I		ljm	11/20/2004	IA-0A2/S-8015	380	WAIER
Diesel	<380	ug/I		ljm	11/20/2004	IA-0A2/S-8015	380	WAIER
Gasoline	<380	ug/I		ljm	11/20/2004	IA-OA2/S-8015	380	WAIER
Motor Oil	<380	ug/I		ljm	11/20/2004	IA-OA2/S-8015	380	WATER



TestAmerica Job Number: 04 16323

ATTACHMENTS

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

Test/America

704 Enterprise Drive Cedar Falls Division

Cedar Falls, IA 50613

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

Send QC with report E-mail Results Fax Results @senecaco.com Standard TAT Bush TAT (Must call shead Prof. Man. Telephone: (543) 333-800 Seruh & Pwb S S S S S Fre # SFRE Project Number: しかんらつ Analyze For Project Manager: SWSAN **SAN9** Susan Proj. Man. E-mail Address: resq S-AO (CC) r-A0 Project Name: Invoice To: TA Quote #: OA-1 WMTBE (GCMS) Your PO #: Other Specify: lios Sindge Matri Drinking Water NOTES 563-332-9465 Groundwater Other (Specify) None (Black & White Label) SO4 Glass(Yellow & White Label Preservative NOTE: All turn around times are calculated from the time of receipt at TestAmeric.

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. SO4 Plastic (Yellow & White Labe 17851 - 244th Avenue, P.O. Box 1208 Fax: (Orange & White Label) (Blue & White Label) HOO3 (Red & White Label) Seneca Environmental Field Filtered 52722 Orkers Composite AKErs Bettendorf, IA 563-332-2272 # of containers shipped Sucarue 11-14-04 Q:00A Jacque Time Sampled Date Sampled Sampled by: (Print Name) (Signature) Telephone Number: Address: City/State/Zip Code: Company: Send Report To: NN NN N Sample ID

15:50

Laboratory Comments

emperature Upon Receipt

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NOTE: There may be a charge assessed for TestAmerica disposing of sample remainder telinquished by

11-11-0d

Specime Others