290 Elwood Davis Road, Suite 312 • Liverpool, New York 13088 • (315) 451-9560 • Fax (315) 451-9570

SEP \_ 8 1995

NYS DEPT. OF ENVIRONMENTAL September 7, 1995: ONSERVATION-REGION 8 (SUBSTS./REM.)

Mr. James Craft NYSDEC Regional Headquarters Region 8 Office - DHWR 6274 East Avon-Lima Road Avon, New York 14414-9519

RE: Immediate Investigation Work Assignment (No. D002478-31) Modock Road Springs Site (NYSDEC No. 835013) State Superfund Standby Contract

Dear Mr. Craft:

This letter provides a summary of the work conducted and the data generated during the Modock Road Springs Site (NYSDEC No. 835013) Immediate Investigation Work Assignment (IIWA), in Victor Township, Ontario County. Parsons Engineering Science, Inc. (Parsons ES) received "Notice to Proceed" with the investigation in a letter from the Department dated June 22, 1995. A technical work plan, prepared by NYSDEC, was attached to the letter. Parsons ES submitted a detailed budget to execute the work plan in a letter dated July 12, 1995. As directed by the NYSDEC, the work plan was modified substantially to consist of the work described below because field conditions differed from those anticipated. Field work was conducted during the weeks of July 31 and August 7, 1995. Data generated during the investigation are provided in attachments as follows:

- · Attachment A Site Sketch;
- · Attachment B Boring Logs;
- Attachment C Laboratory Sample Data Summary Table;
- Attachment D Groundwater Sampling Records;
- Attachment E Water Level Measurements;
- · Attachment F Summary of Detected Compounds;
- · Attachment G Summary of Laboratory Analytical Results; and
- · Attachment H Laboratory Analytical Reports.



#### PROJECT SCOPE

The objective of the IIWA was to evaluate potential sources of volatile organic compounds (VOCs) that were detected in samples collected from springs located adjacent to Modock Road. The springs provided part of the Village of Victor public water supply until 1990, when trichloroethene, 1,1,1-trichloroethane, and 1,1-dichloroethane were detected in samples collected from the springs. Work conducted during the investigation consisted of: (1) subcontractor procurement, (2) health and safety plan preparation, (3) installation of seven temporary monitoring wells, (4) groundwater sampling, (5) groundwater sample analysis, and (6) preparation of deliverables. These activities are described below.

#### **Subcontractor Procurement**

Three subcontractors provided support services during the investigation:

- Parratt Wolff, Inc. of East Syracuse, New York provided drilling and monitoring well installation services;
- General Testing Corporation of Rochester, New York analyzed the groundwater samples; and
- Zebra Environmental Corporation of Inwood, New York provided and operated *Geoprobe* TM sampling equipment.

### Health and Safety Plan (HASP)

A site-specific health and safety plan (HASP) was prepared prior to initiation of field work. The HASP specified the procedures that were used by Parsons ES personnel and subcontractors to ensure personal safety while conducting the investigation.

### **Borings and Temporary Monitoring Well Installation**

As specified in the work plan, a *Geoprobe* <sup>TM</sup> sampling system was used to attempt to obtain groundwater samples on August 1. However, due to subsurface conditions, the *Geoprobe* <sup>TM</sup> sampling system did not provide sufficient penetration to reach groundwater. Consequently, a CME-55 drill rig equipped with 3.25-inch (inside diameter) hollow-stem augers was used to install seven temporary monitoring wells (designated GW-1 through GW-7) from which groundwater samples could be obtained. The temporary wells were installed by Parratt Wolff, Inc. during the week of August 7, 1995. Approximate well locations are indicated in Attachment A.

Subsurface soil samples were collected with a 2-foot-long split-spoon sampler, in accordance with ASTM specification D-1586-84, during drilling for temporary monitoring wells to characterize the subsurface geology of the site. Generally, samples were collected at 5-foot depth intervals. Split-spoon samples were visually inspected for evidence of contamination, and a lithologic description was recorded in the project field book. In addition, each split-spoon sample was retained in an airtight jar and a headspace reading was obtained with a photoionization detector (PID). All of the borings were terminated in unconsolidated sediments. Boring depths ranged from 22.5 feet below grade to 71.0 feet below grade. Boring logs are provided in Attachment B. None of the subsurface soil samples were submitted to a laboratory for chemical analysis.

The temporary monitoring wells were constructed of 2-inch (inside diameter), threaded, flush-joint, Schedule 40, PVC riser casing and screen. Ten-foot-long screens with 0.010-inch screen slots were installed in each well and placed to intercept the water table or, in two wells (GW-3 and GW-5), submerged in the saturated zone with the top of the screen less than 6 feet below the water table. Screen depths ranged from 12.5 to 22.5 feet below grade in GW-5 to 64.5 to 74.5 feet below grade in GW-7. Sand packs were installed around the well screens in four of the wells (GW-1, 2, 3, and 5). Sand packs were not installed in the other wells to ensure that the augers could be withdrawn; "running" sand was encountered in these wells. Generally, the remaining annular space between the boring walls and well casings and screens was filled by allowing subsurface sediments to collapse around the casing and screen as the augers were withdrawn from the subsurface. Well GW-3 was an exception; a 12-foot interval in the well was filled with a 2-foot-thick bentonite seal and 10 feet of sand. Well construction diagrams are included on the boring logs provided in Attachment B.

As requested, the temporary wells were not abandoned after sampling so that confirmation samples could be obtained in the near future. We understand that NYSDEC will undertake abandonment at a future time.

### **Groundwater Sampling**

Seven groundwater samples (GW-1 through GW-7) were collected from the temporary monitoring wells using dedicated, disposable, HDPE bailers. One groundwater sample was collected from each of the temporary wells. Monitoring wells GW-1 and GW-2 were sampled on August 8. Monitoring wells GW-3 through GW-7 were sampled on August 11. Water level measurements were obtained from all seven monitoring wells on August 11. Groundwater sample data are summarized in Attachment C. Groundwater sampling records are provided in Attachment D. The water level measurements are provided in Attachment E.

Prior to sampling, the wells were purged by withdrawing water using the dedicated disposable bailers. Immediately prior to collecting each sample, the temperature, pH, conductivity, and turbidity of groundwater obtained from each well was measured. Well water turbidity was reduced to less than 50 NTU in five of the seven wells; wells GW-1 and GW-2 were the exceptions. These measurements are provided in the groundwater sampling records (Attachment D).

## **Groundwater Sample Analysis**

All seven groundwater samples were submitted to General Testing Corporation (GTC), and analyzed by USEPA Method 8010 (purge and trap) for nine VOCs:

- · Chloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- trans-1,2-Dichloroethene
- · cis-1,2-Dichloroethene
- · Tetrachloroethene
- 1,1,1-Trichloroethane
- · Trichloroethene, and
- · Vinyl Chloride.

GTC provided 24-hour turnaround of the results from samples GW-1 and GW-2, and one week turnaround of the results from the other five samples. Attachment F presents a summary of compounds detected in the samples. Attachment G presents a summary of the analytical results. Laboratory reports are provided in Attachment H.

If you have any questions or require additional information, please feel free to contact me at (315) 451-9560. In addition, please contact myself or Pete Petrone if Parsons ES may assist in any way with additional investigation or remedial work resulting from this work assignment.

Sincerely,

Thomas H. Abrams

Showas H. Alsians

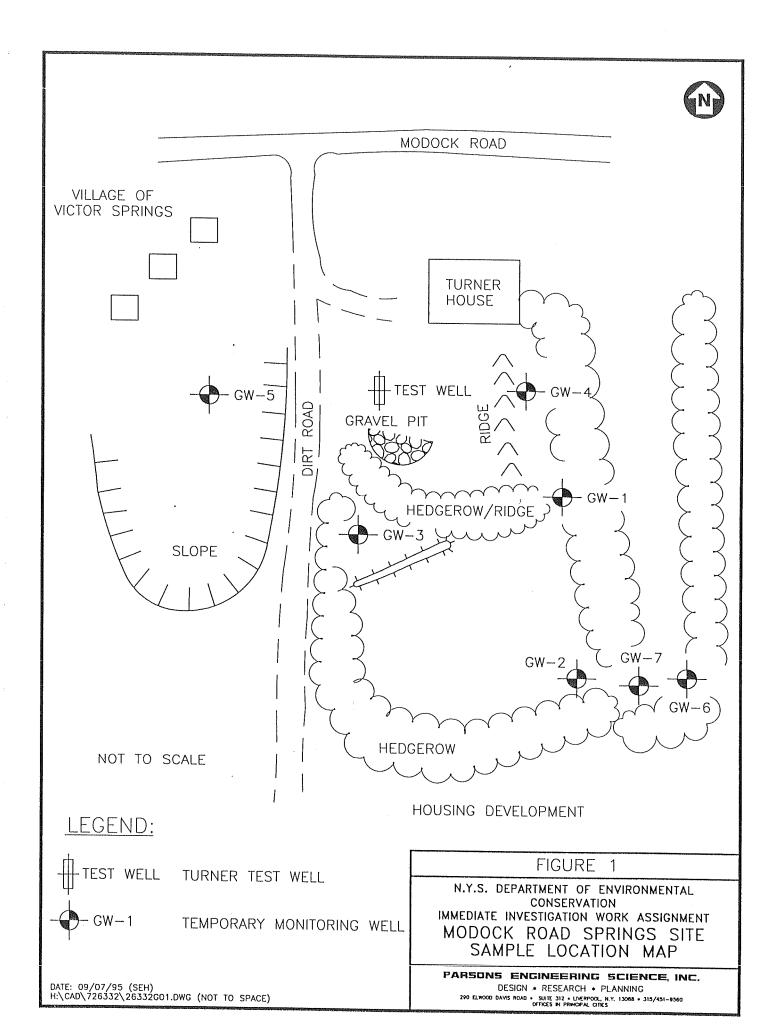
Project Manager

cc: File/726332.01

**PMP** 

Mr. William Shaw (NYSDEC Central Office) w/o Attachments

# ATTACHMENT A SITE SKETCH



## ATTACHMENT B BORING LOGS

Contract	ori Dorent	. Walee			PARSONS ENGINEERING SCIENCE, INC.		BORING/			
Driller:	or: Parrat Dick V			-	DRILLING RECORD		WELL N	o. G	₩-1	
Inspector					PROTECTION NAME NAMED IN THE PARTY OF THE PROTECTION OF THE PROTEC					
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10.6 1) po	. 01112	33, 3.23	AAUT	****	720332.01000, WORK ASSIGNMENT # D0024/8-31				On M. Turner property in	
GR	OUNDW	ATER OB	SERVAT	IONS			gap betwe	en neagero	ows southeast of house.	
DATE		8/11/95	T		Weather Sunny, 80s		Location Pla			
DTW	(ft BGS)	52.32					Dourion 1 Ki			
	(deg. F)	55.2			Date/Time Start August 7, 1995 / 1620		SEE SIT	E PLAN		
	(uS/cm)	612								
pН		6.65			Date/Time Finish August 8, 1995 / 0900					
TURB	(Ntu)	> 200								
Sample	Sample	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL		SCHEM	ATIC	COMMENTS	
Depth	I.D.		Rec.	Reading						
+2										
									LOCKING CAP	
+1										
									2 INCH L.D. PVC RISER	
0		SS							+1.25 - 49 FEET	
		4	75	2.3	SILT & FINE SAND, some pebbles, brown, dry		0 60 60	• ** ***		
1		5					• • • • •	••••	BENTONITE SEAL	
		7					01010	•••••	0-4 FEET	
2		9	-				01010	010101		
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5		A SS								
رد (		10	62.5	2.6					BOREHOLE COLLAPSE	
6		10	02.3	2.0		5.5 feet		6	4-45 FEET	
		9			FINE SAND, brown, dry	6 feet		•		
7		- 6			FINE SAND, some silt, brown, damp					
		A								
8		A	***************************************							
		A				-				
9		A								
		Α								
10		SS				10 ft				
		4	50	1.9	FINE-COARSE SAND, some fine gravel, dark brown, damp					
11		4			•					
		12								
12		37								
		A								
13		A								
		Α								
14		A								
		A				15 ft				
1.5		SS			FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry	1				
16		9	75	2.8	contains gray siltstone and red sandstone					
16		11								
17		13								
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_					PARSONS ENGINEERING SCIENCE, INC.	BORING/			
I	or: Parrat			-	DRILLING RECORD	WELL NO. G	W-1		
Driller:	Dick V			-	Thomas August 1				
Rig Type	r: N.A. S	-55, 3.25"	TTCA	-	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 2	of <u>4</u>		
Kig Type	. CIVIL	-33, 3.23	пъм		PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	1 -	On M. Turner property in		
GR	OUNDW	ATER OF	SERVAT	IONS		gap between nedgero	ws southeast of house.		
DATE		8/11/95			Weather Sunny, 80s	Location Plan	M-000-00-00-00-00-00-00-00-00-00-00-00-0		
DTW	(ft BGS)	52.32							
TEMP	(deg. F)	55.2			Date/Time Start August 7, 1995 / 1620	SEE SITE PLAN			
COND	(uS/cm)	612							
pН		6.65			Date/Time Finish August 8, 1995 / 0900				
TURB	(Ntu)	> 200							
Sample	Sample	SPT	%	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
Depth	I.D.		Rec.	Reading					
19		A		<u> </u>	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry				
		A			contains gray siltstone and red sandstone		2 INCH I.D. PVC RISER		
20		SS					+1.25 -49 FEET		
ļ		10	62.5	0.7					
21		12			little-some pebbles-cobbles		BOREHOLE COLLAPSE		
		12					4-45 FEET		
22		19							
		A							
23		A							
		A							
24		A			,				
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25		SS							
		16	75	1.9					
26		13							
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27		14							
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29		Α							
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30		SS							
		16	50	4.4					
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		7							
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		Α							
33		<u>A</u>							
		A							
34		<u>A</u>							
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Contract	or: Parrat	tWolff			PARSONS ENGINEERING SCIENCE, INC. DRILLING RECORD	***	
Driller:	Dick V			***	DRILLING RECORD	WELL NO. G	W-1
Inspecto	r: N.A. S			-	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 3	of 4
Rig Type		-55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31		of 4 On M. Turner property in
				-		gap between hedgero	
GR	OUNDWA	ATER OF	SERVAT	IONS			
DATE		8/11/95		ļ	Weather Sunny, 80s	Location Plan	
	(ft BGS)	52.32		ļ			
	(deg. F)	55.2	ļ	-	Date/Time Start August 7, 1995 / 1620	SEE SITE PLAN	
COND	(uS/cm)	612					
pН		6.65	<u> </u>		Date/Time Finish August 8, 1995 / 0900		
TURB	<del>}</del>	> 200	ļ				T
Sample Depth	Sample I.D.	SPT	% Rec.	PID Reading	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
40	1.17.	SS	Rec.	Reading			
		53	83.3	8.6	FINE-MEDIUM SAND, some cobbles, trace silt, brown, dry		A DIGULO DUADANTO
41		50/0.1	05.5	- 0.0	THE MEDICIN BILLD, some couples, frace sitt, brown, dry		2 INCH I.D. PVCRISER
		A	<del> </del>	<b> </b>			+1.25-49 FEET
42	<u> </u>	A					BOREHOLE COLLAPSE
		A		<b></b>			4-45 FEET
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7.		25	62.5	5.2			
46		26	02.5	3.2			
		19					SAND PACK
47		34		-			45-59 FEET
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48		A					
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49		A		ļ			
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51		16	2.0	2.5	most		49-59 FEET
		37					
52		27					
		Α					
53		A					
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54		Α					
		Α					
55		SS					
		12	62.5	2.1	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, wet		
56		12			•		
		15					
57		17					
		Α					
58		Α					
		Α					
59		A					
		Α					BOREHOLE COLLAPSE
60		SS					59-62 FEET
		12	75	5.6	little silt, compact		27 GE 1 1049 1
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	or: Parrati			_	DRILLING RECORD	WELL NO.	5W-1			
Driller:	Dick V			-						
	: <u>N.A. S</u>			_	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 4	of <u>4</u>			
Rig Type	: CME-	·55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	!	On M. Turner property in			
- an	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	men on				gap between hedger	ows southeast of house.			
	NUNDWA		SERVAT	IONS						
DATE	(f. DCC)	8/11/95			Weather Sunny, 80s	Location Plan				
	(ft BGS)	52.32 55.2			Date/Time Start August 7, 1995 / 1620	OTTE OVERTE DY AND				
COND	(deg. F)	612			Date/Time Start August 7, 1993 / 1020	SEE SITE PLAN				
pH	(us/cm)	6.65			Date/Time Finish August 8, 1995 / 0900					
	(Ntu)	> 200			Tragacto, 2727 (500					
Sample	<u> </u>	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS			
Depth	I.D.		Rec.	Reading						
61		14			FINE-MEDIUM SAND, some fine gravel-cobbles, little silt, brown,					
		17			compact, wet		BOREHOLE COLLAPSE			
62		27					59-62 FEET			
					Boring terminated at 62 feet.					
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64				<u> </u>						
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_					PARSONS ENGINEERING SCIENCE, INC.	BORING/	
	or: Parrat			_	DRILLING RECORD	WELL NO. G	W-2
Driller:	Dick \			_			
Inspector				_	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 1	of <u>3</u>
Rig Type	: CME-	-55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: In	n depression north—northwes
- CD	OTBIBUT					of subdivision, south-	southeast of GW-1.
DATE	OUNDW		SERVAT	IONS			
	(ft DCC)	8/11/95	-	ļ	Weather Mostly sunny, 65 degrees	Location Plan	
	(ft BGS)	52.06					
TEMP COND	(deg. F)	56.1			Date/Time Start August 8, 1995 / 0950	SEE SITE PLAN	
	(us/cm)	649					
pH TURB	(Ntu)	6.43			Date/Time Finish August 8, 1995 / 1330		
Sample	<u>`</u>	>200 SPT	01				
Depth	Sample I.D.	SFI	%	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
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<u> </u>			07.5	0.0	PINE CAND THE		+1.86-48 FEET
1		4	87.5	0.0	FINE SAND, some silt, trace cobble fragments, brown, dry	*****	
1		5				200000	BENTONITE SEAL
2		7					0-1 FEET
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		A					
4		A .					
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٦		SS 65	100				BOREHOLE COLLAPSE
6			100	0.0			1-46 FEET
U		A	*				
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8		A .					
0		A					
9		A A					
10		A SS					
10		18	62.5	0.0	EINE AFFORM CAND		
11		17	02.5	0.0	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry		
11		23			contains gray siltstone and red sandstone		
12		32					
1.5		A A					
13		A					
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Driller:	Dick V			-	DRILLING RECORD	WELL NO. G	W-2		
1	r: N.A. S				PROMOTE VIVO DE LA				
1	e: CME-		HCV	-	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 2	of <u>3</u>		
		00, 0120	Hor		PROJECT NUMBER 726332.01000, Work Assignment # D002478-31		In depression north—northwe		
GR	OUNDW	ATER OF	SERVAT	TONS		of subdivision, south-southeast of GW-1.			
DATE	***************************************	8/11/95		T	Weather Mostly sunny, 65 degrees	I continue Plant			
DTW	(ft BGS)	52.06				Location Plan			
ТЕМР	(deg. F)	56.1			Date/Time Start August 8, 1995 / 0950	SEE SITE PLAN			
COND	(uS/cm)	649				SEE STETEM			
pН		6.43			Date/Time Finish August 8, 1995 / 1330				
TURB	(Ntu)	>200							
Sample		SPT	%	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
Depth	I.D.		Rec.	Reading			İ		
19		A			FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry				
20		A			contains gray siltstone and red sandstone		2 INCH I.D. PVC RISER		
20		SS 27	62.5		<b>.</b>		+1.86 -48 FEET		
21		17	02.5	0.0	damp				
		15					BOREHOLE COLLAPSE		
22		16					1-46 FEET		
		A							
23		Α		-					
		Α							
24		Α							
		Α					4 4 7 8 8		
25		SS							
		12	75	0.0	trace silt, dry				
26		12							
		13				•			
27		18							
20		A							
28		A							
29		A A							
		A							
30		SS							
		15	62.5	0.0	FINE-MEDIUM SAND, some fine gravel-pebbles, little cobbles,				
31		20			trace silt, brown, dry				
		17							
32		10							
		_A							
33		A							
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34		A							
35		A							
22		SS 9	75	0.0	EINE MEDIUM CAND (				
36		10	- /3	0.0	FINE – MEDIUM SAND, trace silt, gray, dry				
		23							
37		19							
		A							
38		A							
		Α							
39		Α							
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		ING METI			COMMENTS:				
		SPLIT SPOC							
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	. 5				PARSONS ENGINEERING SCIENCE, INC.		BORING/			
Driller:	tor: Parra Dick				DRILLING RECORD		WELL NO.	WELL NO. GW-2		
1	or: N.A. S			_	PROJECT NAME NYSDEC - Modock Road Springs	_	Sheet 3	of 3		
Rig Typ	e: CME-	-55, 3.25'	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	_	Location Description	In depression north-northwes		
GP	OUNDW	ATTER OF	DOEDNIA					h-southeast of GW-1.		
DATE	CONDW	8/11/95	BSERVA.	IIONS						
DTW	(ft BGS)	52.06	<del> </del>	-	Weather Mostly sunny, 65 degrees	-	Location Plan			
ł	(deg. F)	56.1	<del> </del>							
	(uS/cm)	649		-	Date/Time Start August 8, 1995 / 0950		SEE SITE PLAN			
pН	(uo/em)	6.43	ļ		The First Advantage of the Control o					
TURB	(Ntu)	>200	<del> </del>	<del> </del>	Date/Time Finish August 8, 1995 / 1330					
Sample	<del>1                                    </del>	SPT	96	PID						
Depth	I.D.	37.1	Rec.	Reading	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS		
40	1.2.	SS	Acc	Reading						
		2	87.5	0.0	FINE – MEDIUM SAND, trace silt, gray, dry					
41		5	87.3	0.0	CIT TO LOT 1	40.5 ft		2 INCH I.D. PVC RISER		
- 71		7	<del> </del>		SILT, little clay, brown, moist	40.7 ft		+1.86 -48 FEET		
42		11		-	FINE – MEDIUM SAND, little fine gravel – pebbles, brown, damp	41.2 ft				
- 72		A			SILT, little clay, brown, damp	41.4 ft		BOREHOLE COLLAPSE		
43				ļ	FINE-MEDIUM SAND, little fine gravel, brown, damp			1-46 FEET		
43		A 								
44			<del> </del>							
7.7		A 								
45		SS								
4.7		12	62.5	0.0	Port					
46		15	62.5	0.0	little—some fine gravel—cobbles	j				
- 40		15								
47		19						SAND PACK		
- 17		A				İ	50000 S0000	46-58 FEET		
48		A								
-10		A								
49		A					8000			
		A					200000 E000000 200000 E000000			
50		SS								
		4	87.5	0.0		50 ft		2 INCH I.D. PVC SCREEN		
51		6	07.,7	0.0	FINE-MEDIUM SAND, trace-little silt, brown, wet	ľ		48-58 FEET		
	<del>-  </del>	7								
52		12				İ				
		A				1				
53		A					50000			
		A								
54		A				1				
		A								
55		SS								
		4	100	0.0						
56		5								
		12				56.5 ft				
57		17			FINE-MEDIUM SAND, some fine gravel-pebbles, brown, wet	30.3 11				
		Α			beories, oronn, wer					
58		Α								
					Boring terminated at 58 feet.					
59										
60										
	SAMPL	ING METI	HOD		COMMENTS:					
	SS = S	PLIT SPOC	N							
	A = AUC	ER CUTT	INGS							
	С:	= CORED								

					PARSONS ENGINEERING SCIENCE, INC.	BORING/			
	or: Parrat			•	DRILLING RECORD	WELL NO. G	W-3		
Driller:	Dick V			-					
Inspector				-	PROJECT NAME NYSDEC - Modock Road Springs		of <u>3</u>		
Rig Type	: <u>CME</u> -	-55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description:			
						south of gravel pit and	d test well.		
	OUNDWA	ATER OB	SERVAT	IONS					
DATE	/f: D.C.O.	8/11/95			Weather Sunny, 81 degrees	Location Plan			
	(ft BGS)	44.90			D . 67 0				
	(deg. F)	55.3			Date/Time Start August 8, 1995 / 1425	SEE SITE PLAN			
COND	(us/cm)	342			D . 67 - 7 11 Av. 1140 1005 (1040				
pH	(NI 111)	6.89		ļ	Date/Time Finish August 8, 1995 / 1840				
TURB Sample	(Ntu) Sample	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	20000000000		
Depth	I.D.	31 1	Rec.	Reading		SCHEMATIC	COMMENTS		
+2	1.1.		Rec	Reading					
							LOCKING CAP		
+1						<b>                                    </b>	DOCKING CAF		
							2 INCH I.D. PVC RISER		
0		SS		ļ			-1.4-49 FEET		
		3	75	0.0	FINE SAND, some silt, brown, dry	01010	111 171 221		
1		7			,		BENTONITE SEAL		
		7					0-1 FEET		
2		9	l	<b> </b>					
		Α							
3		Α							
		Α							
4		Α							
		Α							
5		SS					SAND BACKFILL		
		5	62.5	0.0			1-11 FEET		
6		9	,		6 ft				
		50/0.2			FINE SAND, some silt and cobbles, brown, dry				
7		Α							
		Α							
8		Α				3330.			
		Α				1000			
9		Α							
		Α							
10		SS				100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg 100 mg			
		9	25	3.9					
11		8				20000			
		10		-		00000			
12		5				*****	BENTONITE SEAL		
		A				• • • • • • • • • • • • • • • • • • • •	11-13 FEET		
13		A		1		• • • • •			
14		A A							
14		A							
15		SS					population continue		
		13	25	0.0		1	BOREHOLE COLLAPSE		
16		11	23	0.0			13-46 FEET		
		6							
17		12							
1,		A							
18		A							
10		A							
		L		1					
	SAM	PLING ME	тнор		COMMENTS:				
		= SPLIT SPO			Annual Control of the				
		UGER CUT							
		C = COREI							

Control	Da	. Malee			PARSONS ENGINEERING SCIENCE, INC.	BORING/ WELL NO. GW-3			
Contract	***			-	DRILLING RECORD		WELL NO. G	W-3	
Driller:	Dick V		****	-					
Inspector				-	PROJECT NAME NYSDEC - Modock Road Springs			of <u>3</u>	
Rig Type	: <u>CME-</u>	-55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31		Location Description:		
an							south of gravel pit and	d test well.	
l —	OUNDWA	I	SERVAT	IONS					
DATE		8/11/95			Weather Sunny, 81 degrees		Location Plan		
	(ft BGS)	44.90							
	(deg. F)	55.3			Date/Time Start August 8, 1995 / 1425		SEE SITE PLAN		
COND	(uS/cm)	342	ļ						
pH		6.89			Date/Time Finish August 8, 1995 / 1840				
-	(Ntu)	199						T	
Sample		SPT	9%	PID	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS	
Depth	I.D.		Rec.	Reading					
19		A		<u> </u>	FINE SAND, some silt and cobbles, brown, dry				
		A						2 INCH I.D. PVC RISER	
20		SS				20 ft		+1.4-49 FEET	
		7	75	0.0	FINE-MEDIUM SAND, some fine gravel-pebbles, brown, dry				
21		8				21 ft		BOREHOLE COLLAPSE	
		6			FINE-MEDIUM SAND, little silt, light brown, damp			13-45 FEET	
22		5							
		A							
23		Α							
		Α							
24		A							
		Α							
25		SS				25 ft			
		9	37.5	0.0	FINE - MEDIUM SAND, trace pebbles, light brown, dry				
26		19							
		13							
27		11							
		A							
28		Α							
		A							
29		Α							
		Α							
30		SS							
		4	44.1	0.0	no pebbles				
31		6							
		8							
32		50/0.2							
		A							
33		A							
		A							
34		A .							
25		A							
35		SS 19	50	26	EINE MEDITAL SAND COME GOVERNMENT AND AND COME	35 ft			
36		9	טנ	2.6	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry				
טע		37							
37		27							
31		A A							
38		A							
٥٥		A							
39		A							
צכ		A		1					
		PLING ME		1	COMMENTS:	A TABLES			
	A = A	UGER CUI	TINGS						
İ		C = COREI	)						

					PARSONS ENGINEERING SCIENCE, INC.		BORING/			
	or: Parrat			na.	DRILLING RECORD		WELL NO. GW-3			
Driller:	Dick V			_						
-	: <u>N.A. S</u>			-	PROJECT NAME NYSDEC - Modock Road Springs		Sheet 3	of <u>3</u>		
Rig Type	: CME-	-55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31		Location Description:	On M. Turner property		
							south of gravel pit ar	nd test well.		
	DUNDW	I	SERVAT	IONS						
DATE	(fr DCC)	8/11/95	-		Weather Sunny, 81 degrees		Location Plan			
	(ft BGS)	44.90 55.3	ļ		Date/Time Start Avanat 9 1005 / 1405		CEE CYCUS DY AND			
	(deg. F) (uS/cm)	342		<b> </b>	Date/Time Start August 8, 1995 / 1425		SEE SITE PLAN			
pH	(us/ciii)	6.89	<del> </del>	<b> </b>	Date/Time Finish August 8, 1995 / 1840					
-	(Ntu)	199	<b></b>		Pate, Timo Timosi. Tragasto, 1990 / 1040					
Sample	ř	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS		
Depth	LD.		Rec.	Reading						
40		SS	1		FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry					
		9	25	0.0				2 INCHILD, PVC RISER		
41		11						+1.4-49 FEET		
		19								
42		29						BOREHOLE COLLAPSE		
		Α						13-45 FEET		
43		Α								
		Α								
44		A								
		Α								
45		SS				45 ft				
		7	87.5	0.0	FINE-MEDIUM SAND, some silt, gray, stiff, moist-wet					
46		10				46 ft				
		17			SILT, some clay, trace fine sand, gray, damp			SAND PACK		
47		21					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	45-59 FEET		
		A								
48		A					-			
		Α								
49		A					20000			
		A	<u> </u>							
50		SS			TANK CAND BUT TO	50 ft		2 INCH I.D. PVC SCREEN		
£1		6	25	0.0	FINE SAND, little silt, gray, wet			49-59 FEET		
51		8								
52		12								
		A								
53		A								
		Α					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
54		A								
		Α								
55		SS				55 ft				
		6	100	0.0	FINE SAND, some silt, trace clay partings, gray, wet					
56		7								
		9								
57		11					18.28			
		A					10000			
58		Α								
		A								
59		A								
					Boring terminated at 59 feet.					
60										
			L					<u> </u>		
					2011/27177					
		LING ME			COMMENTS:					
		= SPLIT SP								
		UGER CUI C = COREI								

	_				PARSONS ENGINEERING SCIENCE, INC.	BORING/			
ı	or: Parrat			_	DRILLING RECORD	WELL NO. GW-4			
Driller:	Dick V								
1	r: <u>N.A. S</u>			_	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 1	of 3		
Rig Type	: CME-	-55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: In	n depression along hedgerow		
						east of test well, south	neast of house.		
1	OUNDWA	ATER OB	SERVAT	IONS					
DATE		8/11/95			Weather Mostly sunny, 56 degrees	Location Plan			
	(ft BGS)	42.05	ļ	-					
	(deg. F)	57.6		-	Date/Time Start August 9, 1995 / 0710	SEE SITE PLAN			
i	(uS/cm)	679							
pН		7.02			Date/Time Finish August 9, 1995 / 1220				
	(Ntu)	65		-					
Sample		SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
Depth	I.D.		Rec.	Reading					
+2				-		<b></b>			
				-			LOCKING CAP		
+1									
							2 INCH L.D. PVC RISER		
0		SS					+1.64 -41.5 FEET		
		4	75	0.0	FINE SAND, little silt, trace pebbles, brown, dry	04040			
1		5				04040	BENTONITE SEAL		
_		5				01010	0-2 FEET		
2		7				•••••			
		A							
3		A							
		A							
4		A							
		A							
5		SS		ļI			BOREHOLE COLLAPSE		
		5	75	0.0			2-53 FEET		
6		4			6 ft				
		4			FINE-MEDIUM SAND, some silt, little fine gravel, dark brown, damp				
7		5							
		A							
8		A							
		A							
9		A							
10		A							
10		SS			10 ft				
11		4	0	N/A	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry				
11		6							
12		6							
12		7							
13		A							
1.3		A							
14		A							
		A							
15		SS							
		3	87.5	0.0	FINE – MEDIUM SAND, trace silt, light brown, dry – damp				
16		1		- 5.0	Moston ortho, trace sin, ngin blown, dry-damp				
		2							
17		3							
		A					ļ		
18		A					1		
		A							
		1 - 1							
	SAMPI	LING MET	нор		COMMENTS:				
		SPLIT SPO					Non-contract of the second of		
		GER CUTT			Market Company of the				
		= CORED							

					PARSONS ENGINEERING SCIENCE, INC.	BORING/			
į.	or: Parrat				DRILLING RECORD	WELL NO. GW-4			
Driller:	Dick V			_					
	r: N.A. S			_	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 2 of	3		
RigType	: CME-	-55, 3.25"	HSA	_	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: In depress	ion along hedgerow		
GP	OTINIDAY	ATTED OR	OTTOSIATI	TONG		east of test well, southeast of h	ouse,		
DATE	OUNDW	8/11/95	SERVAT	IONS	W. J. Maria Scale				
·	(ft BGS)	42.05	<u> </u>	-	Weather Mostly sunny, 56 degrees	Location Plan			
	(deg. F)	57.6		-	D-1/17 - 0 Av. 1/10 1005 10010				
COND		679	<del> </del>	<del> </del>	Date/Time Start August 9, 1995 / 0710	SEE SITE PLAN			
рН	(us/ciii)	7.02		-	Date/Time Timick Assessed 1005 / 1020				
TURB	(Ntu)	65			Date/Time Finish August 9, 1995 / 1220				
Sample	r`		%	PID	WILL D WATERWAY AND A STATE OF THE STATE OF	1			
Depth	I.D.	311	Rec.	Reading	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
19	1.15.	Α	Roc	Keauing	FINE-MEDIUM SAND, trace silt, light brown, dry-damp				
		A			The Medical date, trace sit, fight brown, dry-damp				
20		SS			} 		H I.D. PVC RISER		
		11	83.3	0.0	FINE – MEDIUM SAND AND COBBLES, brown, dry	+.	1.6-41.5 FEET		
21		27		0.0	contains gray limestone and red sandstone				
		50/0.2			contains gray finicatone and red sandstone		HOLE COLLAPSE		
22		A		-		2-	53 FEET		
		A							
23		A							
		A							
24		A							
		A							
25		SS		-					
		11	50	0.0	some fine gravel – cobbles				
26		17		0.0	some time graver couples				
		17							
27		28							
		Α.							
28		A							
		Α							
29		A							
		A							
30		SS							
		29	71.4	1.8					
31		50/0.5							
		Α	· · · · · · · · · · · · · · · · · · ·						
32		Α							
		Α							
33		Α							
		Α							
34		Α							
		Α							
35		SS							
		63	80	1.6					
36		Α							
		Α							
37		Α							
		Α							
38		Α							
		Α							
39		Α							
		A							
	SAMP	LING MET	HOD		COMMENTS:				
	SS =	SPLIT SPO	ON						
	A = Al	JGER CUT	rings		***************************************				
	C	C = CORED							

C	n	Mate			PARSONS ENGINEERING SCIENCE, INC. BORING/				
	Diek V		····	•	DRILLING RECORD	WELL NO. G	W-4		
Driller:	Dick V			-	PROTECTIVAME NIVEDEC 14-1-1-15	81			
-	: N.A. S			-	PROJECT NAME NYSDEC - Modock Road Springs		of <u>3</u>		
Rig Type	: CME-	-55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	_	n depression along hedgerow		
GP (	שמאור	TER OP	SERVAT	ZONS	Principal Control Cont	east of test well, south	neast of house.		
DATE	- OTITO WY	8/11/95	PERVAI	10,110	Weather Mostly sunny, 56 degrees	Location Plan			
	(ft BGS)	42.05			Troung summy, no dogrees				
	(deg. F)	57.6		<u> </u>	Date/Time Start August 9, 1995 / 0710	SEE SITE PLAN			
COND		679							
рН	`/	7.02			Date/Time Finish August 9, 1995 / 1220				
	(Ntu)	65			<u>**</u>				
Sample		SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
Depth	I.D.		Rec.	Reading					
40		SS			FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry				
		58	50	0.0			2 INCH I.D. PVC RISER		
41		Α		ļ			+1.64 - 51.5 FEET		
		A		ļ					
42		A					BOREHOLE COLLAPSE		
		A		ļ <u>.</u>	wet		2-53 FEET		
43		A		<u> </u>		- J.			
<b> </b>		A		<u></u>			2 INCH I.D. PVC SCREEN		
44		A					41.5-51.5 FEET		
<b> </b>		A							
45	<u> </u>	SS			45 ft				
<b> </b>		12	75	0.0	FINE-MEDIUM SAND, little-some fine-medium gravel, brown, wet				
46		14	<del> </del>						
177		18							
47		22 A	<del>                                     </del>						
48		A							
10		A					,		
49		A							
l		A							
50		SS			50 ft				
		9	100	0.0	FINE – MEDIUM SAND, trace – little fine gravel, gray, heaving, wet				
51		11							
		13							
52		17							
		Α							
53		A	ļ						
		<u> </u>			Boring terminated at 53 feet.				
54	<u> </u>			ļ					
ļ		-		-					
55		<u> </u>	ļ	<u> </u>					
<u> </u>		<del> </del>		<del> </del>					
56			<del> </del>	-					
57									
3/					+	· Andreas			
58	-		-	<del> </del>	-				
			-		•				
59	<u> </u>			-	1				
			1	1					
60									
	ss	PLING ME = SPLIT SE AUGER CU	NOO		COMMENTS:				
1		C = CORE	D						

29 - QuA - 06

Contract	r Parrat	-Walff			PARSONS ENGINEERING SCIENCE, INC. BORING/				- <b>5</b>		
Contracto					DRILLING RECORD		WELL NO.	GW-	- <u>J</u>		
Driller:	Dick V			-	PROPERTY AND PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	İ					
Inspector				-	PROJECT NAME NYSDEC - Modock Road Springs		Sheet 1				
Rig Type:	CME-	- 55, 3.25"	HSA		PROJECT NUMBER 726332.01000, Work Assignment # D002478-31				oping gulley in woods		
GD(	NINIDIU.	ATTEN OR	OTTO S I A CC	TONIC .			west of road and t	test wel	l, northwest of Larson well		
DATE	JUNDWA	8/11/95	SERVAT	IONS	Weather Sunny, 80 degrees	}	Location Plan				
					Wolfield Starty, or deploys						
				-	Date/Time Start August 9, 1995 / 1340		SEE SITE PLA	N			
	OND (uS/cm) 664				Date/Time start August 2, 1993 / 1940						
	(113/0111)	6.76			Date/Time Finish August 9, 1995 / 1500						
pH TURB	(Ntu)	113		-	Date/Time Timish August 2, 1999 (1990)						
	·		%	PID	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC		COMMENTS		
Sample Depth	I.D.	31.1	Rec.	Reading					0011111111		
+2	1.17.		ACC.	Reading							
12									LOCKING CAP		
+1		1					T-L-T		Locial of the		
				<del> </del>					2 INCH I.D. PVC RISER		
0		SS							+2.11 –12.5 FEET		
U			75	0.0	DINE SAND and SHT brown dry			J	FERT TEST LEST		
1		2	75	0.0	FINE SAND and SILT, brown, dry		01010	1 1	BENTONITE SEAL		
1		2			-				0-1 FEET		
		3		-	-				O-1 PEE1		
2		2									
		A		-							
3		A	1	-							
		A									
4		A	-	ļ							
		A	-					Š			
5		SS			-				BOREHOLE COLLAPSE		
		10	75	0.0	little cobbles				1-9 FEET		
- 6		12									
		14	ļ	-	_						
7		14		ļ	_						
l		A	-	ļ	-	i					
8		A	-		-						
<u> </u>		A			_						
9		A	-	-	-						
10		A	<b> </b>	-		10 ft			SAND PACK		
10		SS 15	75	0.0	FINE-MEDIUM SAND, some fine gravel-cobbles, brown, dry	1011			9-22.5 FEET		
11			13	0.0	FINE-MEDIOW SAND, some time graver-coodies, brown, dry				9-22.3FEE1		
11		18			-						
12	ļ	16			wet						
12	-	14 A	-	<del> </del>							
13	<del> </del>	A									
13	ļ	A	-		-				2 INCH I.D. PVC SCREEN		
14	<del> </del>	A	-	-	-				12.5-22.5 FEET		
1-4	1	A		_	†				amo went t total t		
1.5	<u> </u>	SS			-						
<b> </b>		9	87.5	0.0	little cobbles						
16		13	37.27								
		15	1		-						
17	-	19		-	-						
1		A	-	-	1						
18	-	A									
10	-	A	-	-	-						
	s	MPLING M S = SPLIT S AUGER CU	POON		COMMENTS:						
		C = COR									

					PARSONS ENGINEERING SCIENCE, INC.	BORING/				
Contracte	or: Parrat	t-Wolff		_	DRILLING RECORD		W-5			
Driller:	Dick V	Valls		_	·		., ,			
Inspector	: N.A. S	mith		_	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 2	of 2			
Rig Type	: CME-	- 55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: In sloping gulley in woods				
						1	well, northwest of Larson well			
GRO	WONUC	ATER OB	SERVAT	IONS						
DATE		8/11/95			Weather Sunny, 80 degrees	Location Plan				
DTW	(ft BGS)	11.61								
ТЕМР	(deg. F)	56.0			Date/Time Start August 9, 1995 / 1340	SEE SITE PLAN				
COND	(uS/cm)	664								
pН		6.76			Date/Time Finish August 9, 1995 / 1500					
TURB	(Ntu)	113								
Sample	Sample	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS			
Depth	I.D.		Rec	Reading						
19		A			FINE-MEDIUM SAND, some fine-medium gravel, little cobbles,		,			
		A			brown, wet		2 INCH I.D. PVC SCREEN			
20		SS					12.5 – 22.5 FEET			
		4	100	0.0						
21		27					SAND PACK			
		16			21.5 ft		9-22.5 FEET			
22		23			CLAY, trace silt, brown-gray, stiff, damp					
		A								
23			ļ		Boring terminated at 22.5 feet.					
24			<u> </u>							
			ļ							
25										
			<del></del>							
26				ļ						
27										
٤/ .										
28										
20										
29			1							
30										
31										
						:				
32										
33										
34										
35										
36				1						
0.00										
37										
20										
38										
39										
Jy										
	l	L	L	1						
	SAMI	PLING ME	THOD		COMMENTS:					
		= SPLIT SP			COMMENTAU.					
		UGER CUI								
		C = CORE								

					PARSONS ENGINEERING SCIENCE, INC. BORING/			
Contract	or: Parrat	t-Wolff		_	DRILLING RECORD WELL NO. GW-6			
Driller:	Dick V	Valls						
Inspecto	r: <u>N.A. S</u>	mith			PROJECT NAME NYSDEC - Modock Road Springs	Sheet 1	of 4	
Rig Type	Rig Type: CME-55, 3.25" HSA				PROJECT NUMBER 726332.01000, Work Assignment # D002478-31		Southeast corner of Turner	
							in line with GW-1 and Test	
GROUNDWATER OBSERVATIONS				IONS		Well.	in thic with GW—1 and Test	
DATE		8/11/95			Weather Sunny, 90 degrees	Location Plan		
DTW	(ft BGS)	61.02				Location I lan		
ТЕМР	(deg. F)	56.8			Date/Time Start August 9, 1995 / 1645	CEE CEEE DY AND		
COND		798			1100000	SEE SITE PLAN		
pН		6.55			Date/Time Finish August 10, 1995 / 1200			
	(Ntu)	142			2007 Timo Timon - August 10, 1993 / 1200			
Sample	l'	SPT	%	PID	ETEL D ADVETTE CATTON OF VALUEDA A			
Depth	I.D.		Rec.	Reading	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
+2	1.0.		- ACC	Keaung				
12								
1.1							LOCKING CAP	
+1								
							2 INCH I.D. PVC RISER	
0		SS					+0.94 – 59 FEET	
		2	87.5	0.0	SILT & FINE SAND, light brown, dry	a 10 10 1		
1		2				••••	BENTONITE SEAL	
		3					0-1 FEET	
2		5						
		Α						
3		A						
		Α						
4		Α				•		
		Α						
5		SS						
		3	100	0.0	trace silt	1	BOREHOLE COLLAPSE	
6		4	- 100		THOU SHE		1-71 FEET	
		4					w	
7		3						
		A						
8		A						
- 6								
9		A .						
· ·		A						
10		A						
10		SS						
		8	62.5	0.0	10.5 ft			
11		8			FINE-MEDIUM SAND, little fine gravel, gray, dry			
		7						
12		7						
		A						
13		A						
		A						
14		A						
		A		-	15 ft			
15		SS			FINE-MEDIUM SAND, gray, dry			
		4	62.5	0.0				
16		5						
		3						
17		4						
		Α						
18		Α						
		A						
	C 43.47	INC STO	UOP		COMMITTEE			
		SPLIT SPO			COMMENTS:			
		SPLIT SPO						
		GER CUTT						
	C	≈ CORED						

	intractor: Parratt-Wolff				PARSONS ENGINEERING SCIENCE, INC.	BORING/		
	Contractor: Parratt—Wolff  Driller: Dick Walls				DRILLING RECORD	WELL NO. GW-6		
Driller:								
-	: N.A. S				PROJECT NAME NYSDEC - Modock Road Springs			of <u>4</u>
Rig Type	: CME-	-55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31			Southeast corner of Turner
GP.	OT INTOWA	ATER OR	SERVAT	TONE	W P W A A A A A A A A A A A A A A A A A		Well.	in line with GW-1 and Test
DATE	JUNDWA	8/11/95	SERVAI	IONS	Weather Sunny, 90 degrees		Location Plan	
	(ft BGS)	61.02			Woman Burniy, yo dogrees		Location 1 min	
	(deg. F)	56.8			Date/Time Start August 9, 1995 / 1645		SEE SITE PLAN	
COND	***************************************	798						
pН		6.55			Date/Time Finish August 10, 1995 / 1200			
	(Ntu)	142						
Sample	Sample	SPT	%	PID	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
Depth	I.D.		Rec.	Reading			transport Contracts	
19		A			FINE-MEDIUM SAND, gray, dry			
		A						2 INCH I.D. PVC RISER
20		SS				20 ft		+0.94 -59 FEET
		4	37.5	0.0	FINE-MEDIUM SAND, little pebbles-cobbles, gray, dry			
21		7						BOREHOLE COLLAPSE
22		13	-					1-71 FEET
22	1	11 A	-					
23		A	<u> </u>					
<u> </u>		A						
24		A						
		Α						
25		SS						
		14	50	0.0	little-some fine gravel-pebbles			
26		12						
		11						
27		12			*			
		A						
28		A	ļ	ļ				
		A						
29		A						
		A				20.5		
30		SS 5	62.5	0.0	FINE – MEDIUM SAND, gray, damp	30 ft		
31	<del> </del>	5	02.0	0.0	The medicin on to, gray, damp			
	-	9						
32		14						
		A						
33		Α						
		A						
34		Α		-				
		A						
35		SS	-					
	-	63	100	0.0	little cobbles, dry			
36		A	1					
27		A	<u> </u>	-				
37	<u> </u>	A						
38	<del> </del>	A		<del> </del>				
- 30	<del> </del>	A	1					
39		A			-			
1		A			-			
	SS	IPLING ME = SPLIT SI AUGER CU	POON		COMMENTS:			
		C = CORE						

Contractor: Parratt-Wolff					PARSONS ENGINEERING SCIENCE, INC. DRILLING RECORD	BORING/ WELL NO. GW-6				
Driller:	Dick V					WELE NO. G	W — U			
				-	PROTECTIONS NVCDEC Modest Boad Saires					
	: N.A. S			-	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 3 of 4				
Rig Type	: CME-	55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Southeast corner of Turner				
							in line with GW-1 and Test			
	DUNDWA		SERVAT	IONS		Well.				
DATE		8/11/95			Weather Sunny, 90 degrees	Location Plan				
	(ft BGS)	61.02								
	(deg. F)	56.8			Date/Time Start August 9, 1995 / 1645	SEE SITE PLAN				
COND	(uS/cm)	798			,					
pН		6.55			Date/Time Finish August 10, 1995 / 1200					
TURB	(Ntu)	142								
Sample	Sample	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS			
Depth	I.D.		Rec.	Reading						
40		SS			FINE-MEDIUM SAND, little cobbles, gray, dry					
		68	50	5.6			2 INCH L.D. PVC RISER			
41		Α					+0.94 -59 FEET			
		A								
42		Α					BOREHOLE COLLAPSE			
		Α					1-71 FEET			
43		Α								
1		Α								
44	İ	A								
		A								
45		SS			·					
		11	62.5	0.0	little fine—medium gravel					
46		17	02.5	0.0	I mara modulum graver					
		21								
47		32								
		A								
48		A	<b> </b>							
40		A								
49		A								
49										
		A								
50		SS	7.5	-	J					
		13	75	0.0	damp					
51		12								
		14	ļ	<del> </del>						
52	-	36	ļ							
	-	A	-							
53		A .	-							
	1	A								
54		A		ļ						
		A		ļ						
55		SS	07.7	0.0	EINE MEDIUM SAND over down					
	ļ	11	87.5	0.0	FINE—MEDIUM SAND, gray, damp					
56		15		<del> </del>	-					
	<u> </u>	19			-					
57	<u> </u>	18	<del> </del>	<u> </u>	-					
	-	A			-					
58		A	<del> </del>	ļ			4			
		A	ļ	ļ						
59		A		ļ						
		A	ļ		-		: INCH I.D. PVC SCREEN			
60		SS			-		59~69 FEET			
	<u> </u>	14	75	0.0	wet					
	SAM	PLING ME	ETHOD		COMMENTS:					
	SS	= SPLIT SP	ООИ							
	A = /	NUGER CU	TTINGS							
		C = CORE	D							

					PARSONS ENGINEERING SCIENCE, INC.	BORING/	
Contracto	or: Parratt	Wolff			DRILLING RECORD	WELL NO. GV	W-6
Driller:	Dick W						
Inspector: N.A. Smith					PROJECT NAME NYSDEC - Modock Road Springs	********	of <u>4</u>
Rig Type	: CME-	55, 3.25" 1	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	1 -	Southeast corner of Turner
						***************************************	n line with GW-1 and Test
	DUNDWA		SERVAT	IONS		Well.	
DATE		8/11/95			Weather Sunny, 90 degrees	Location Plan	
	(ft BGS)	61.02			TO 1005 11615	CESE CESES DY AN	
	(deg. F)	56.8			Date/Time Start August 9, 1995 / 1645	SEE SITE PLAN	
COND	(uS/cm)	798			Date/Time Finish August 10, 1995 / 1200		
pH	(Ntu)	6.55 142			Date/Time Pinish August 10, 1993 / 1200		
TURB Sample	· · · · · · · · · · · · · · · · · · ·	SPT	%	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	I.D.	02.2	Rec.	Reading			
61		27			FINE-MEDIUM SAND, gray, wet		
		37			little fine gravel – pebbles		BOREHOLE COLLAPSE
62		16					1-71 FEET
		Α					
63		А					2 INCH I.D. PVC SCREEN
		А					59-69 FEET
64		Α					
		A					
65		SS					
		23	100	0.0			
66		59					
		A				4	
67		A					
		A					
68		A					
		A	<u> </u>	ļ			
69		SS 6	100	0.0			
70		7	100	0.0	70 ft		
70		19		<b></b>	CLAY, some silt, trace fine sand & gravel, brown, wet 70.25 ft		
71		28		1	CLAY, little silt, trace fine gravel, (till), gray, very stiff, damp		
<u> </u>					Boring terminated at 71 feet.		
72							
73							
		<u> </u>					
74							
75							
	1			1			
76		ļ	-		-		
ļ	-	-				***************************************	
77	-		-	-	-		
70	-		<b> </b>	1	-		
78	1	ļ	-				
79		1			-		
-''	<del> </del>	+	-	-	-		Date of the state
80		1	1		-		
		<b>†</b>			-		
81	1	1			1		
			1		1		
	SAN	IPLING MI	ETHOD		COMMENTS:		
	SS	= SPLIT SI	POON				
	A =	AUGER CU	TTINGS			A	
<u></u>		C = CORI	ŒD.			····	

Contracto	ar Parrat	t - Wolff			PARSONS ENGINEERING SCIENCE, INC.	BORING/ WELL NO. GW-7				
Contractor: Parratt-Wolff Driller: Dick Walls					DRILLING RECORD	WELL NO. G	<b>W</b> -7			
Driller: Dick Walls  Inspector: N.A. Smith										
-	***************************************			-	PROJECT NAME NYSDEC - Modock Road Springs	Sheet 1 of 4				
Rig Type	: CME-	-55, 3.25" ]	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: Southern edge of T field, between GW-2 and GW-6.				
GRO	WGNUC	ATER OB	SERVAT	IONS		Alou, oolween Gw-2 and Gw-0.				
DATE		8/11/95			Weather Partly sunny, humid, 80 degrees	Location Plan				
DTW	(ft BGS)	64.75								
ТЕМР	(deg. F)	58.1			Date/Time Start August 10, 1995 / 1240	SEE SITE PLAN				
COND	(uS/cm)	767								
pΗ		7,15			Date/Time Finish August 10, 1995 / 1708					
	(Ntu)	57								
Sample		SPT	%	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS			
Depth	I.D.		Rec.	Reading						
+2							LOCKING CAP			
+1						<del>                                    </del>	LOCKING CAP			
							2 INCH I.D. PVC RISER			
0							+ 1.47 64.5 FEET			
		A			SILT & FINE SAND, brown, dry	# 4# 4# P P P P P P P P P P P P P P P P				
1		SS	~~~			•••••	BENTONITE SEAL			
		3	75	2.8			0-1 FEET			
2		5								
		8								
3		8								
		Α								
4		Α								
		Α								
5		SS					BOREHOLE COLLAPSE			
		6	37.5	14.5	trace silt and cobbles		1-74.5 FEET			
6		11								
		14								
7		12								
		A								
- 8		A								
9	,	A		-						
J		A								
10		SS			10 ft					
		4	87.5	0.3	FINE-MEDIUM SAND, trace fine gravel-cobbles, brown, damp					
11		5			The median of the man beautiful and p					
		7								
12		13								
		Α								
13		Α								
		Α								
14		A		ļ						
<b> </b>		A		ļ						
15		SS			dry					
l		27	68.2	4.4						
16	ļ	21								
l		50/0.1								
17		A	ļ	ļ						
10		Λ Λ	<b> </b>	ļ						
18		A		-						
	SAM	IPLING ME	THOD	<u>.I.</u>	COMMENTS:					
		= SPLIT SP			AA 1 A VI					
		AUGER CU								
		C = CORE			1944-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4					

Contract Process Welff					PARSONS ENGINEERING SCIENCE, INC.	BORING/			
Contractor: Parratt-Wolff					DRILLING RECORD	WELL NO. GW-7			
Driller: Dick Walls									
Inspector: N.A. Smith					PROJECT NAME NYSDEC - Modock Road Springs Sheet 2 of				
Rig Type	: CME-	-55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description: Southern edge of Turner			
ļ						field, between GW-2 and GW-6.			
<b>!</b>	OUNDWA	ATER OB	SERVAT	IONS					
DATE		8/11/95			Weather Partly sunny, humid, 80 degrees	Location Plan			
1	(ft BGS)	64.75							
	(deg. F)	58.1		-	Date/Time Start August 10, 1995 / 1240	SEE SITE PLAN			
COND	(uS/cm)	767							
PH		7.15			Date/Time Finish August 10, 1995 / 1708				
	(Ntu)	57							
Sample				FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC COMMENTS				
Depth	I.D.		Rec.	Reading					
19		A			FINE-MEDIUM SAND, trace fine gravel-cobbles, brown, damp				
		A				BOREHOLE COLLAPSE			
20		SS 2	95	0.0	20 ft	1-74.5 FEET			
			75	0.0	FINE-MEDIUM SAND, light brown, dry				
21		2				2 INCH I.D. PVC RISER			
		1				-1.47-64.5 FEET			
		2							
23		A A		-					
		<del> </del>							
24		A A							
24		-							
25		A SS							
			257	151	anno achblea				
26		41 27	35.7	15.1	some cobbles				
		50/0.4							
27		A							
		A							
28		A							
		A							
29		Α							
		Α							
30		SS			30 ft				
		16	87.5	0.0	FINE SAND, light brown, dry				
31		20							
		19			31.5 ft				
32		18			FINE-MEDIUM SAND, light brown, dry				
		Α							
33		Α							
		Α							
34		Α							
		Α							
35		SS			35 ft				
		21	100	0.0	FINE SAND, brown, damp-moist				
36		16							
		11							
37		8			contains clay partings, wet				
		Α							
38		A							
		Α							
39		A							
		A							
	SAMI	PLING ME	rhod		COMMENTS:				
	SS :	= SPLIT SPO	NOC						
		UGER CUI							
		C = COREL	)			TO THE PARTY AND ADDRESS OF THE PARTY AND ADDR			

Contractor: Parratt-Wolff					PARSONS ENGINEERING SCIENCE, INC. BORING/			
				-	DRILLING RECORD	WELL NO. GY	W-7	
Driller:	Dick W	~		-				
Inspector: N.A. Smith Rig Type: CME-55, 3.25" HSA					PROJECT NAME NYSDEC - Modock Road Springs	I —	of <u>4</u>	
Rig Type:	CME-	55, 3.25"	HSA	-	PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	Location Description:		
- CT						field, between GW-2	and GW-6.	
	JUNDWA	-	SERVAT	IONS	W. d. D. d		****	
DATE	(6 DCC)	8/11/95			Weather Partly sunny, humid, 80 degrees	Location Plan		
	(ft BGS)	64.75			Day 77' - Day A Assessed 10 1005 / 1040			
	(deg. F)	58.1 767			Date/Time Start August 10, 1995 / 1240	SEE SITE PLAN		
COND (	(us/cm)	7.15			Dat 17 - 7' 11 Assess 10 1005 / 1709			
pH TURB (	(Ntu)	57			Date/Time Finish August 10, 1995 / 1708			
Sample	·	SPT	4%	PID	FIELD IDENTIFICATION OF MATERIAL	COTTENATED	0010 COTTO	
Depth	I.D.	37.7	Rec.	Reading		SCHEMATIC	COMMENTS	
40	1,17,	SS	KCC.	Reading	40 ft			
-10		19	100	0.0	FINE-MEDIUM SAND, little fine gravel, brown-gray, dry		TOREWOLD GOLL LOAD	
41		15	100	0.0	THE MEDION SAND, Infletine graver, blown—gray, dry		BOREHOLE COLLAPSE	
		13					1-74.5 FEET	
42		13					A DOULD DUODIAGO	
		A					2 INCH I.D. PVC RISER	
43		A					+1.47 -64.5 FEET	
1.5		A						
44		A		<b></b>				
		A						
45		SS						
		68	100	0.0	little cobbles			
46		Α						
		A						
47		Α						
		Α						
48		Α					*	
		A						
49		Α						
		Α						
50	***************************************	SS		<u> </u>				
		51	60	4.4				
51		A						
52		A A		-				
-32		A						
53		A		<b></b>				
		A		-				
54		A						
		A						
55		SS						
		29	83.3	0.0	gray, damp			
56		24						
		50/0.2						
57		Α						
		Α						
58		A						
		A						
59		<u>A</u>						
		A						
60		SS	100					
<u> </u>		50/0.4	100	0.0				
		DI INC SC	THOS		COMMENTS			
SAMPLING METHOD SS = SPLIT SPOON					COMMENTS:			
		= SPLIT SPO UGER CUI						
		C = CORE						

S. W. W. W.					PARSONS ENGINEERING SCIENCE, INC. BORING/ DRILLING RECORD WELL NO. GW-7			
Contractor: Parratt-Wolff					DRILLING RECORD	WELL NO. GV	N - 1	
Driller:	Dick W				THE PROPERTY OF MANAGEMENT OF THE PROPERTY OF	Sheet 4 of 4		
Inspector					PROJECT NAME NYSDEC - Modock Road Springs			
Rig Type	: CME-	55, 3.25"	HSA		PROJECT NUMBER 726332.01000, Work Assignment # D002478-31	field, between GW-2		
CDC		TER OR	SERVATI	IONS				
DATE	O LID HY	8/11/95			Weather Partly sunny, humid, 80 degrees	Location Plan		
	(ft BGS)	64.75						
	(deg. F)	58.1			Date/Time Start August 10, 1995 / 1240	SEE SITE PLAN		
COND		767						
pН		7.15			Date/Time Finish August 10, 1995 / 1708			
TURB	(Ntu)	57						
Sample	1	SPT	96	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
Depth	I.D.		Rec.	Reading	FINE-MEDIUM SAND, little fine gravel-cobbles, gray, damp			
61		A			FIME - MEDIOM SAMD, mile time graver - coopies, gray, damp		BOREHOLE COLLAPSE	
		A					1-74.5 FEET	
62		A	-					
63	<del> </del>	A					2 INCH LD, PVC RISER	
- 03		A					-1.47-64_5 FEET	
64	1	A						
<u> </u>	1	A						
65		SS			65 ft			
		6	100	0.0	FINE—MEDIUM SAND, trace fine gravel, gray, wet		2 INCHILD, PVC SCREEN	
66		10					64.5-74.5 FEET	
		13						
67		15						
		A			1			
68	ļ	A		1				
	-	A	-	-	-			
69		A	-	-				
70	-	A SS			70 ft			
70	-	34	100	0.0	FINE-MEDIUM SAND, some fine gravel-cobbles, brown-gray, wet			
71		43	100	- 0.0				
-/-	1	58						
72	1	A			1			
		Α						
73		A						
		A						
74	_	SS		_				
		50	100	0.0				
75			-	-	Boring terminated at 74.5 feet.			
<b></b>			-		-	Ī		
76		-	-	-				
77		-		-				
		-						
78					G.W. Level-60-65'			
		1				9		
79						*		
80								
81				_	_			
					COMMENTS.			
		MPLING N			COMMENTS:			
		SS = SPLIT = AUGER C					AND THE PARTY OF T	
	Α:	C = CO						
L		t = COI	/CD					

# ATTACHMENT C SAMPLE DATA SUMMARY

# PARSONS ENGINEERING SCIENCE, INC.

# ATTACHMENT C

# GROUNDWATER SAMPLE SUMMARY MODOCK ROAD SPRINGS SITE (NYSDEC SITE NO. 835013) ONTARIO COUNTY, NEW YORK

DESCRIPTION OF SAMPLE LOCATION	South-southeast of Turner house in gap between hedgerows.	South-southeast of Turner house, south of GW-1.	South-southwest of Turner house, gravel pit, and Turner test well.	South-southeast of Turner house in depression adjacent to hedgerow	West-southwest of Turner house on slope adjacent to access road.	South-southeast of Turner house, east of GW-7.	South-southeast of Turner house, east of GW-2, west of GW-6.
ANALYTICAL METHOD	USEPA 8010*	USEPA 8010	USEPA 8010	USEPA 8010	USEPA 8010	USEPA 8010	USEPA 8010
SAMPLING DATE	08/08/95	08/08/95	08/11/95	08/11/95	08/11/95	08/11/95	08/11/95
WELL SCREEN DEPTH (FEET BGS)	49.0 – 59.0	48.0 - 58.0	49.0 - 59.0	41.5 — 51.5	12.5 - 22.5	59.0 - 69.0	64.5 - 74.5
SAMPLE IDENTIFIER	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7
SAMPLE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater

<sup>\*</sup> Reported compounds consisted of chloroethane: 1,1-DCA; 1,1-DCE; t-1,2-DCE; c-1,2-DCE; PCE; 1,1,1-TCA; TCE; and vinyl chloride.

# ATTACHMENT D GROUNDWATER SAMPLING RECORDS

	ier: G W - /		Modock Road	
	0/8/95		1545	
	NAS		Parsons ES	
Weather:	Sunny, 81°F	•		
Sample Location	on: < <u>5</u> < <u> </u>	I ( r n. e ) e e e	· Latina	1.
I LEAVE .				
<del></del>			<u></u>	
	<del>T</del>			
			<u> </u>	
			1	
	-			
Purge Water	r Disposition (e.g., contained)	to ground	-	
		·		
Sample Descrip	otion:			
Color: 1	ight brown			
Odor:				
			1910	
Other:				
Other:			•	
Other:		Sacred 1.		
Sample Analyze	ed for: <u> </u>			
Sample Analyze	ed for: $PA 8010$ this Location: $none$			-
Sample Analyze	ed for: $PA 8010$ this Location: $none$			-
Sample Analyze	ed for: $PA 8010$ this Location: $none$			-
Sample Analyze  QC Samples at  QC Samples Ar  Field Tests:	ed for:			-
Sample Analyze  QC Samples at  QC Samples Ar  Field Tests:  Temperature	ed for: $PA 8010$ this Location: $NOC$ nalyzed for:			-
Sample Analyze QC Samples at QC Samples Ar Field Tests: Temperature Ph: 6.	ed for: $PA = 8010$ this Location: $6000$ malyzed for:			-
Sample Analyze  QC Samples at  QC Samples Ar  Field Tests:  Temperature  Ph: 6.6	this Location:  ce (C/F): 55.2° F  (uS/cm): 612			-
Sample Analyze QC Samples at QC Samples Ar Field Tests: Temperature Ph: Conductivity Turbidity (NT	ed for:			-
Sample Analyze QC Samples at QC Samples Ar Field Tests: Temperature Ph: Conductivity Turbidity (NT	this Location:  ce (C/F): 55.2° F  (uS/cm): 612			-
Sample Analyze QC Samples at QC Samples Ar Field Tests: Temperature Ph: Conductivity Turbidity (NT) PID (ambient)	ed for:			-

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## GROUNDWATER SAMPLING RECORD Sample Identifier: <u>GW-2</u> Site Name: Modock Road Springs Date: 8/8/95 Time: 15-50Samplers: NAS of Parsons ESWeather: Sunny, 81°F Sample Location: SSE of Turner house, S of GW-1, W of GW-7 Screen/Sample Depth: 48.0-58.0 ft. 695 Sampling Device: Disposable HDPE bailer Groundwater Purging: Initial Static Water Level: 53 92 pt (8/11/95) Volume Standing in Well: 2-Inch Casing: 4.1 Feet of Water x 0.16 Gallons/Foot = 0.7 Gallons Feet of Water x 0.36 Gallons/Foot = Gallons 3-Inch Casing: 4-Inch Casing: Feet of Water x 0.65 Gallons/Foot = Gallons Volume of groundwater purged: <u>well</u> purged, volume not recorded Purging Device: disposable builer Purge Water Disposition (e.g., contained): to grown Q Sample Description: Color: brown Sample Analyzed for: EPA 8010, special list QC Samples at this Location: QC Samples Analyzed for: Field Tests: Temperature (C/F): 5 6. / ° F Ph: 6.43 Conductivity (uS/cm): 649 Turbidity (NTU): → ≥ ○ ○ PID (ambient): Comments: collected from Lemponary well

<u>G</u>	BROUNDWATER SAMPLING RECORD
Sample Identifier: G N	V-3 Site Name: Modock Road Springs
Date: 8 / 11 / 95	Time: /3 40
Samplers: NAS	Time: 13 10  of Parsons ES
Weather: Cloud	y, 73°F
Screen/Sample Depth:	of Turner house, growel pit, and test well 19.0-59.0 ft. bgs posable HDPE bailer
Groundwater Purging:	
	4630 ft.
Volume Standing in Well:	
•	2.1 Feet of Water x 0.16 Gallons/Foot = 2.0 Gallons
3-Inch Casing:	Feet of Water x 0.36 Gallons/Foot = Gallons
4-Inch Casing:	Feet of Water x 0.65 Gallons/Foot = Gallons
	jurged: 5 galo removed during development (0/1/9.
Purge Water Disposition (	posable bailes (e.g., contained): to ground
	J
Sample Description:	londy
Color: Gran	
Odor:	
Other:	
	·
Sample Analyzed for: 9 p	A BOIO, special list
QC Samples at this Location:	
QC Samples Analyzed for:	· North
· · · · · · · · · · · · · · · · · · ·	
ield Tests:	
Temperature (C/F): 5	5.3°F
Ph: 6.89	
	342
	99
Turbidity (NTU):	
PID (ambient):	
	ed from temporary well

MICONDAN	ER SAMPLING RECORD
Sample Identifier:	Site Name: Modoch Road Springo
Date: 8 /11/95	Time: /3 25
Samplers: NAS	of PMSons ES
Weather: Cloudy, 73°F	
Screen/Sample Depth: 41.5 - 51.5	house in depression adjacent to hed
Groundwater Purging:	
Initial Static Water Level: 43 69 ft	,
Volume Standing in Well:	,
2-Inch Casing: 7. 8 Feet of Water	r x 0.16 Gallons/Foot = /.3 Gallons
	r x 0.36 Gallons/Foot = Gallons
	r x 0.65 Gallons/Foot = Gallons
	punged, volume not recorded
	(62
Purge Water Disposition (e.g., contained):	to grown o
	7
Sample Description: Clean	
Color:	
0.45	
Other:	
	•
Sample Analyzed for: FPA 8010	special list
QC Samples at this Location: none	
QC Samples Analyzed for:	·
·	
Field Tests:	
Temperature (C/F): 57.6° F	
Ph: 7.02	
Conductivity (uS/cm): 679	
Turbidity (NTU): 65	
PID (ambient):	
Comments: collecte Q from	i temporary well

## **GROUNDWATER SAMPLING RECORD** Sample Identifier: $\mathcal{L} \underline{\mathcal{L}} \underline{\mathcal{W}} - 5$ Site Name: modock Road Springs Date: 0/1/95 Time: $14^{\frac{100}{1}}$ Samplers: NAS of Pansons SSWeather: Clouby, 73 .F Sample Location: WSW of Turner house on Slope adjucent to access Rd. Screen/Sample Depth: 12.5- 22.5 ft. bgs Sampling Device: Disposable HDPE bailer Groundwater Purging: Initial Static Water Level: $\sqrt{3} \frac{72}{2}$ Volume Standing in Well: 2-Inch Casing: 8.8 Feet of Water x 0.16 Gallons/Foot = 1.4 Gallons Feet of Water x 0.36 Gallons/Foot = 3-Inch Casing: Gallons 4-Inch Casing: Feet of Water x 0.65 Gallons/Foot = Gallons Volume of groundwater purged: well purged, volume not recorded Purging Device: disposable bailer Purge Water Disposition (e.g., contained): +o grown 0 Sample Description: Sughtly cloudy Color: Gray Odor: Other: QC Samples at this Location: QC Samples Analyzed for: Field Tests: Temperature (C/F): 56.0° F Ph: 6.76 Conductivity (uS/cm): 664 Turbidity (NTU): //3 PID (ambient): Comments: collected from temporary well

## GROUNDWATER SAMPLING RECORD Sample Identifier: CW-6 Site Name: Modoch Road Springs Date: 8/11/95 Time: 1250Samplers: NAS of Parsons ES Weather: Clondy, N3°FSample Location: 558 of Turner house, E of GW-7 Screen/Sample Depth: 59.0 - 63.0 ft. 635 Sampling Device: Disposable HDPE bailer Groundwater Purging: Initial Static Water Level: 6 / 96 ft. Volume Standing in Well: 2—Inch Casing: 7. / Feet of Water x 0.16 Gallons/Foot = /./ Gallons 3-Inch Casing: Feet of Water x 0.36 Gallons/Foot = Gallons 4-Inch Casing: Feet of Water x 0.65 Gallons/Foot = Gallons Volume of groundwater purged: well punged, volume not reconded Purging Device: Noposable backer Purge Water Disposition (e.g., contained): to grown & Sample Description: Color: Light brown Sample Analyzed for: EPA 8010, special list QC Samples at this Location: QC Samples Analyzed for: Field Tests: Temperature (C/F): 56.8 F Ph: 6. 55 Conductivity (uS/cm): 7 9 8 Turbidity (NTU): 142 PID (ambient): Comments: collected from temporary well

Sample Identifier: GW-7	Site Name: Modoch Springs Roal
Date: 8/11/95	· ·
	of Parsons ES
Weather: Cloudy, 73°	F
Sample Location: SSE of Two	nes house, E of GW-2, W of GW-G
Screen/Sample Depth: 64.5 - 74	1.5 ft. bys
	HOPE bailer
Groundwater Purging:	
Initial Static Water Level: 6 6 22	jt.
Volume Standing in Well:	
2-Inch Casing: 8.3 Feet of V	Water x 0.16 Gallons/Foot = $\frac{1.3}{2}$ Gallons
3-Inch Casing: Feet of V	Water x 0.36 Gallons/Foot = Gallons
	Water x 0.65 Gallons/Foot = Gallons
Volume of groundwater purged: well	L punged, volume not recorded
	•
Purging Device: dio posuble b	
•	olls 1): to ground
•	
Purge Water Disposition (e.g., contained	1): to ground
Purge Water Disposition (e.g., contained	
Purge Water Disposition (e.g., contained) Sample Description:	1): to ground
Purge Water Disposition (e.g., contained)  Sample Description: (leac	1): to ground
Purge Water Disposition (e.g., contained)  Sample Description: (lear  Color: Odor:	1): to ground
Purge Water Disposition (e.g., contained)  Sample Description: (leac  Color: Odor: Other:	1): to ground
Purge Water Disposition (e.g., contained)  Sample Description: (leac  Color: Odor: Other:	1): to ground
Purge Water Disposition (e.g., contained)  Sample Description: (lear)  Color: Odor: Other:  Sample Analyzed for: EPA 8010	0, special list
Purge Water Disposition (e.g., contained)  Sample Description: (leac  Color: Odor: Other:  Sample Analyzed for: EPA BII  QC Samples at this Location: None	0, special list
Purge Water Disposition (e.g., contained)  Sample Description:  Color:  Odor:  Other:  Sample Analyzed for:  QC Samples at this Location:  QC Samples Analyzed for:  Field Tests:	1): to ground  O, special list
Purge Water Disposition (e.g., contained)  Sample Description: Clear  Color: Odor: Other:  Sample Analyzed for: EPA 8010  QC Samples at this Location: None  QC Samples Analyzed for:  Field Tests: Temperature (C/F): 58./°F	1): to ground  O, special list
Purge Water Disposition (e.g., contained)  Sample Description:  Color:  Odor:  Other:  Sample Analyzed for:  QC Samples at this Location:  QC Samples Analyzed for:  Field Tests:  Temperature (C/F):  Ph: 7.15	1): to ground  O, special list
Purge Water Disposition (e.g., contained)  Sample Description: Clear  Color: Odor: Other:  Sample Analyzed for: EPA 8010  QC Samples at this Location: None  QC Samples Analyzed for:  Field Tests: Temperature (C/F): 58./°F	1): to ground  O , special list
Purge Water Disposition (e.g., contained)  Sample Description:  Color:  Odor:  Other:  Sample Analyzed for:  QC Samples at this Location:  QC Samples Analyzed for:  Field Tests:  Temperature (C/F):  Ph: 7.15	1): to ground  O , special list
Purge Water Disposition (e.g., contained)  Sample Description:  Color:  Odor:  Other:  Sample Analyzed for:  QC Samples at this Location:  QC Samples Analyzed for:  Field Tests:  Temperature (C/F):  Ph:  7.15  Conductivity (uS/cm):  767	1): to ground  O, special list
Purge Water Disposition (e.g., contained)  Sample Description: (leac)  Color: Odor: Other:  Sample Analyzed for: EPA 801 ( QC Samples at this Location: Nove QC Samples Analyzed for:  Field Tests: Temperature (C/F): 58.1° F  Ph: 7.15  Conductivity (uS/cm): 767  Turbidity (NTU): 57	1): to ground  O , special list

## ATTACHMENT E WATER LEVEL MEASUREMENTS

## ATTACHMENT E

## WATER LEVEL MEASUREMENTS MODOCK SPRINGS ROAD SITE (NYSDEC SITE NO. 835013) ONTARIO COUNTY, NEW YORK

WELL IDENTIFIER	DEPTH BELOW TOP OF PVC CASING* (Feet)	HEIGHT OF TOP OF PVC CASING ABOVE GROUND* (Feet)	DEPTH BELOW GROUND SURFACE (Feet)
GW-1	53.57	1.25	52.32
GW-2	53.92	1.86	52.06
GW-3	46.30	1.40	44.90
GW-4	43.69	1.64	42.05
GW-5	13.72	2.11	11.61
GW-6	61.96	0.94	61.02
GW-7	66.22	1.47	64.75

<sup>\*</sup> Measured on August 11, 1995.

# ATTACHMENT F SUMMARY OF DETECTED COMPOUNDS

ATTACHMENT F

SUMMARY OF DETECTED COMPOUNDS GROUNDWATER SAMPLES MODOCK ROAD SPRINGS SITE (NYSDEC SITE NO. 835013) ONTARIO COUNTY, NEW YORK

		SAMPLE ID:	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7
		LAB ID:	33005	33006	33921	33920	33922	33918	33919
		SOURCE:	GTC	GTC	GTC	GTC	GTC	GTC	GTC
		RUN:	2667	2667	2863	2863	2863	2863	2863
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	8/8/95	8/8/95	8/11/95	8/11/95	8/11/95	8/11/95	8/11/95
CAS NO	COMPOUND	UNITS:							
	USEPA METHOD 8010								
75-35-4	1,1 - Dichloroethene	_ ng/r	7.2	1.0 U	1.0 U	6.9	1.0 U	4.2	4.
71-55-6	1,1,1-Trichloroethane	ng/L	120	3.0	1.0 U	110	17	28	32
79-01-6	Trichloroethene	UG/L	240	1.0 U	1.0 U	160	20	27	92

U - Indicates compound was analyzed for but not detected.