Summary Packet

Vertical Profile Boring 127

And BPOW 1-3, 1-4, 1-5, and 1-6

NWIRP Bethpage

Bethpage, New York

Naval Facilities Engineering Command
Mid-Atlantic

Contract No. N62472-03-D-0057
Contract Task Order 066

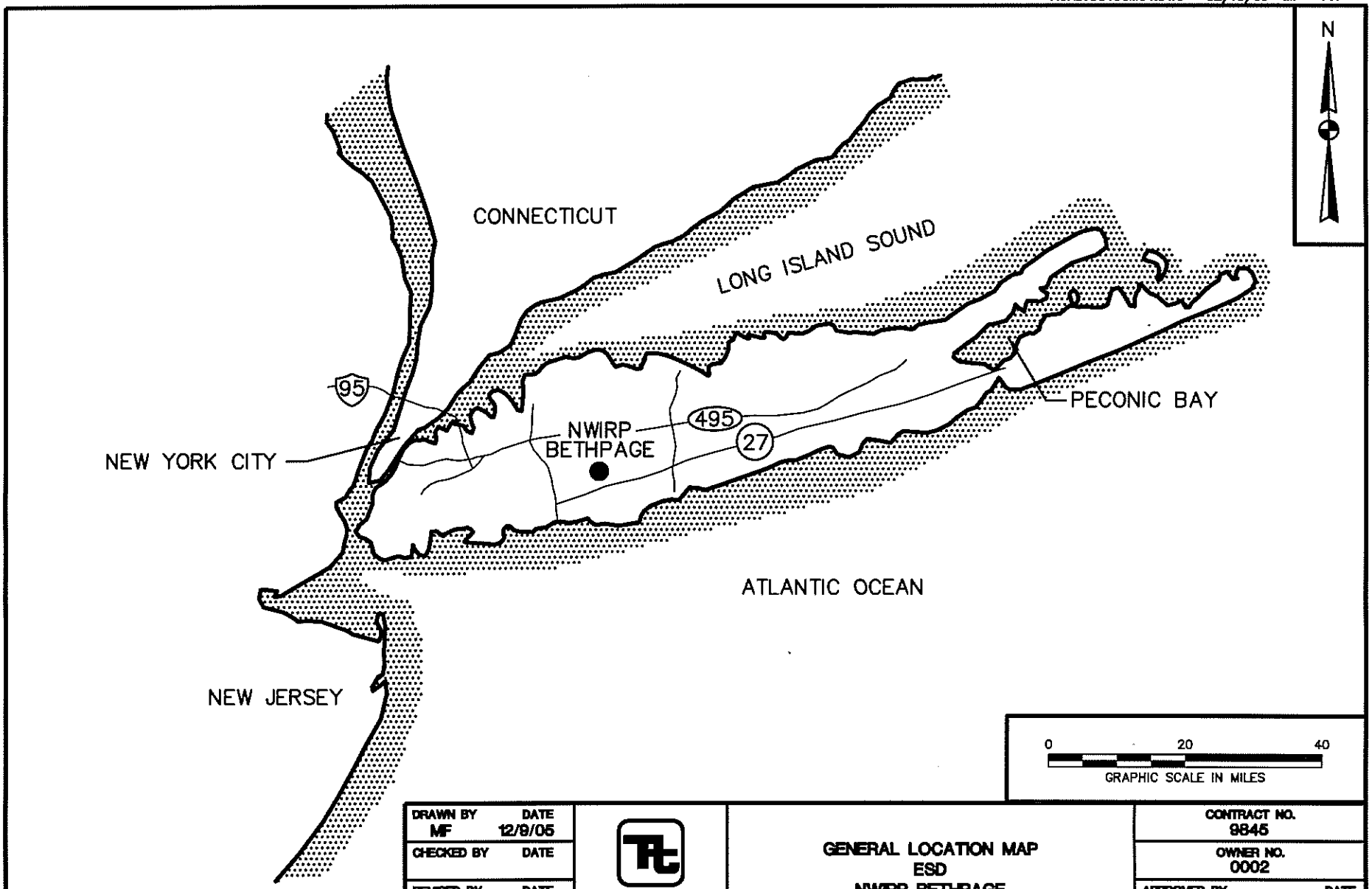
August 2012

TABLE OF CONTENTS

Section 1

Figures

ACAD: 9845CM04.DWG 02/15/06 MF PIT



DRAWN BY MF DATE 12/9/05	Tetra Tech NUS, Inc.	GENERAL LOCATION MAP ESD NWIRP BETHPAGE BETHPAGE, NEW YORK	CONTRACT NO. 9845
CHECKED BY DATE			OWNER NO. 0002
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1 REV. 0

FORM CADD NO. TTNUS-AH.DWG - REV 1 -9/10/98

P:\GIS_files\Bethpage\MapDocs\BP_OU2_2012 BP_vpb127_02162012.mxd created by MMC 02162012

NORTHROP GRUMMAN

NWIRP BETHPAGE

N

HWD-8779

BWD-8768

BWD-8767

BWD-9591

VPB-27 VPB-19A VPB-21 MW-201-1 MW-202-1 MW-203-1 MW-200-1 FW-01 FW-02 FW-03 HN-24I HN-24S HN-29D HN-29IR HN-42I HN-42S VPB-106 VPB-107 VPB-105 MW-102-1 MW-100-1 MW-100-2 MW-100-3 VPB-108 MW-107-1 VPB-102 MW-108-1 GM-13D HN-40I HN-40S VPB-100 VPB-115 MW-109-3 GM-16SR GM-16I GP-3 WELL 3 N-10597 MW-1GF GM-32S GM-17D GM-17I GM-17SR GM-17SR VPB-109F VPB-109 VPB-101 GP-1 WELL 1 GM-19S GM-19I MW-5 MW-6 MW-4 MW-2 GM-15S,I,D, D2 VPB-113 VPB-110R MW-111-4 VPB-110 VPB-111 Well 19 GM-74D,D2,I Well 18 GM-18S GM-18I GM-18D MW-2GF VPB-39 MW-39DA MW-39DB VPB-73 GM-73 GM-73D2 MW-3 MW-3R GM-33D2 N-10631 Well 17 N-10600 GM-78I GM-78S GM-20I GM-20D GM-21S GM-21I GM-21D N-10633 GM-79D GM-79I N-10628 VPB-103 VPB-114 VPB-49C N-9921 GM-75D2 N-10624 N-10627 N-10634 VPB-104 GM-37D GM-37D2 GM-70D2 GM-71D2 VPB-112 VPB-121 GM-35D2 MW-116-5 VPB-116 VPB-42 GM-36D GM-36D2 N-10821 VPB-117 MW-117-5 BWD-6916 BWD-6915 VPB-51 VPB-123 GM-34D2 GM-34D GM-38D2 GM-38D BWD-8941 VPB-48 GM38-RW03 BWD-3876 VPB-38 GM38-RW01 VPB-118 MW-118-5 VPB-47 VPB-40 LWD-7076 BWD-8004 VPB-119 VPB-77 VPB-122 VPB-129 VPB-76 TT-101D TT-101D1 TT-101D2

B

B'

E

E'

BPOW 1-4 BPOW 1-5 BPOW 1-6 VPB-127 VPB-43 SFWD-7377 SFWD-5148 BPOW 1-1 BPOW 1-2 BPOW 1-3 VPB-45 SFWD-4043

VPB-127
BPOW 1-4/BPOW 1-5/BPOW 1-6

BPOW 1-3

VPB-46 BPOW 3-3 BPOW 3-4 VPB-128 VPB-44 BPOW 4-1 BPOW 4-2 LWD-5303 VPB-50 VPB-130 BPOW 2-3 VPB-131 BPOW 2-1 BPOW 2-2 SFWD-6150 VPB-126 VPB-125 BPOW 3-1 BPOW 3-2 BPOW 5-1 BPOW 5-2 VPB-132 ANY-9338 ANY-8480 VPB-124 SFWD-8665 SFWD-6866

Legend

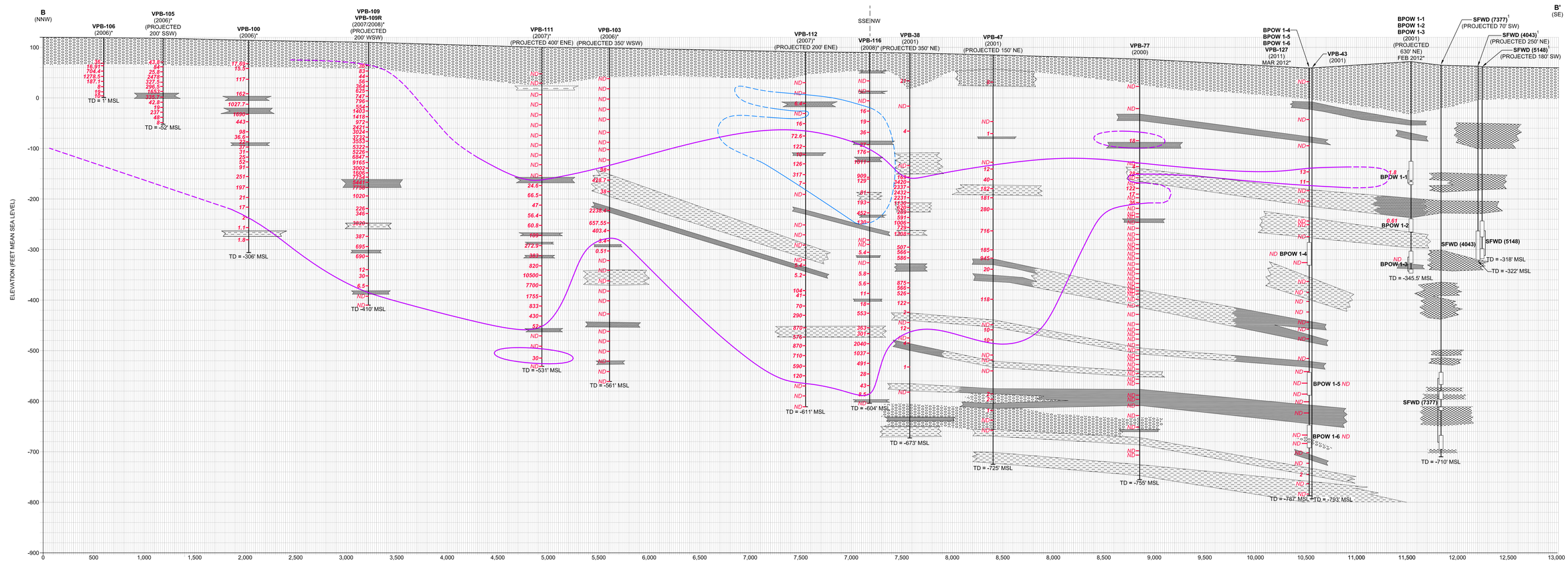
- Monitoring Well
- Water Supply Well
- Vertical Profile Boring

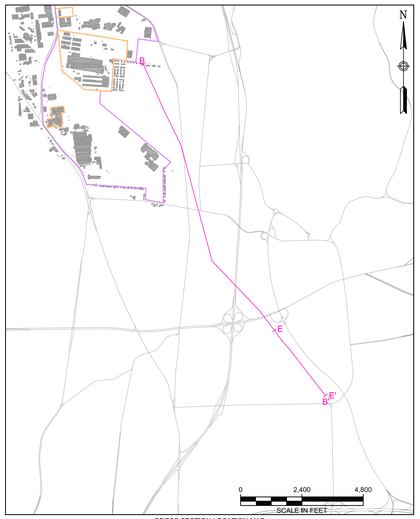
0 750 1,500 3,000 4,500 Feet

TETRA TECH

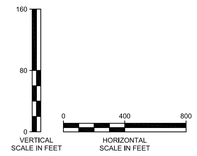
VPB-127/BPOW 1-3/BPOW 1-4
BPOW 1-5/BPOW 1-6
CROSS SECTION AND LOCATION MAP
BETHPAGE GROUNDWATER PLUME
NEW YORK

FILE	112G00622	SCALE	AS NOTED
FIGURE NO.	2	REV	DATE 2/16/12





CROSS SECTION LOCATION MAP



LEGEND

- SAND AND GRAVEL
- F-M SAND WITH VARYING AMOUNTS OF SILT, CLAY, AND C. SAND

CONFINING UNITS

- INTERBEDDED CLAY AND SAND
- SANDY CLAY
- CLAY
- CONFINING UNIT FROM ARCADIS CROSS-SECTION, NO SPECIFIC LITHOLOGY GIVEN

[1] ARCADIS CROSS SECTION (2004)

* TVOC DATA FROM ARCADIS

BPOW 3-2 MONITORING WELL ID

VPB-106 VERICAL PROFILE BORING

(2003) INSTALLATION YEAR

(PROJECTED 450' ESE) PROJECTION

MAR 2012 MONITORING WELL SAMPLING DATE

CONFINING UNIT (DASHED WHERE INFERRED)

BPOW 3-2 *ND* MONITORING WELL SCREEN WITH TVOC COCENTRATION

374 VERTICAL PROFILE BORING TVOC RESULTS IN ug/L

ND NOT DETECTED

MIXED VOC PLUME (5 µg/L CONTOUR LINE)

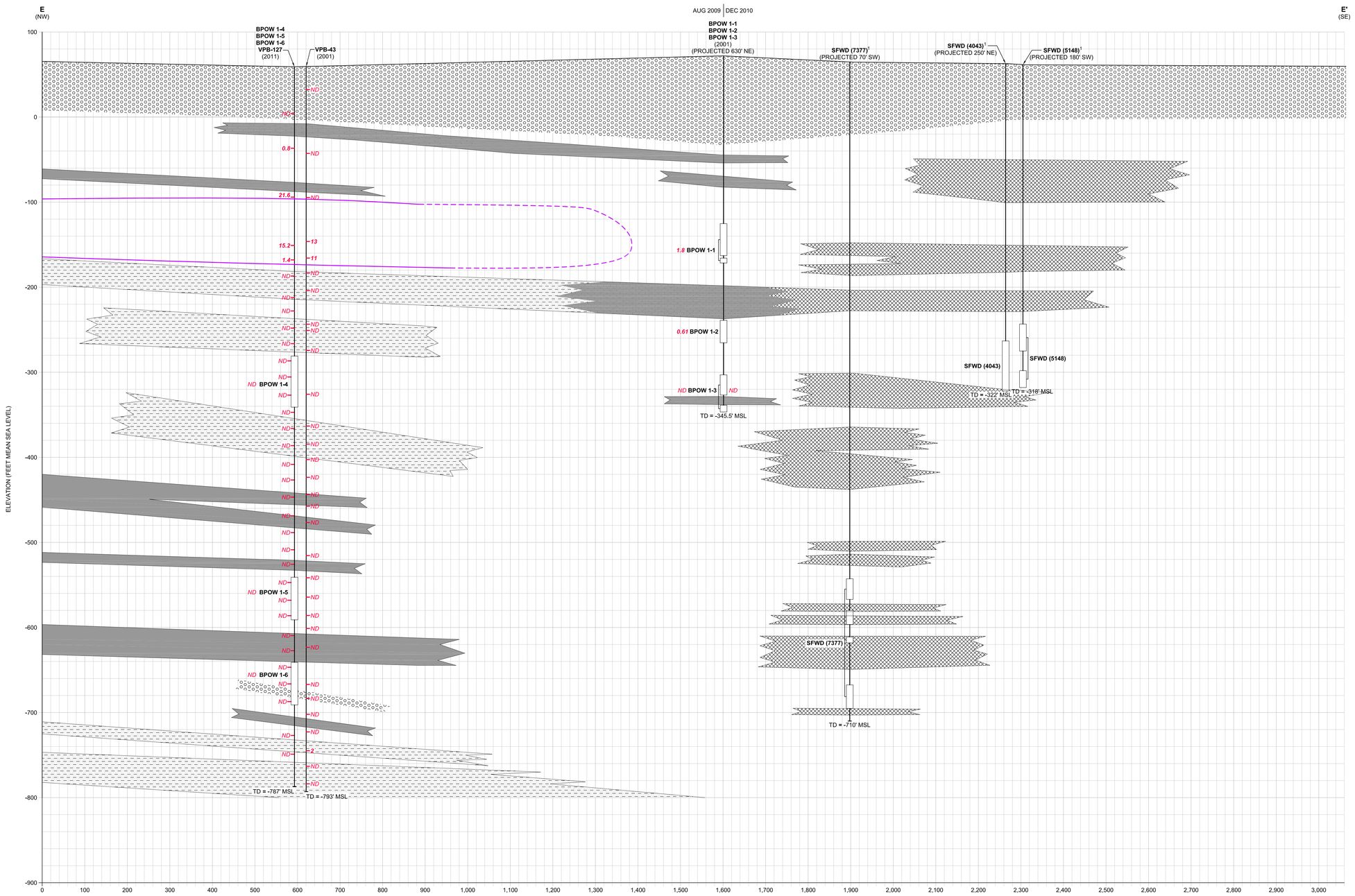
PCE PLUME (5 µg/L CONTOUR LINE)

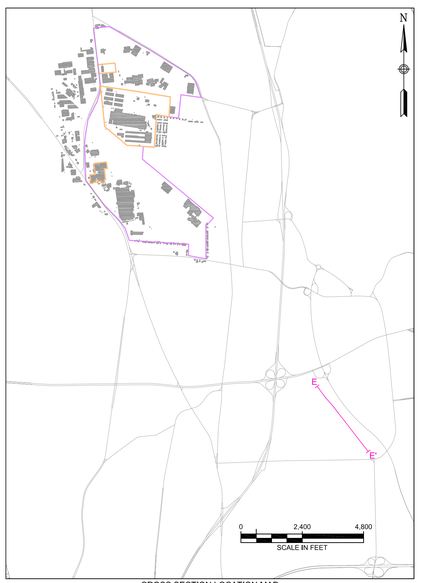
TD = -743' MSL TOTAL DEPTH MEAN SEA LEVEL

TETRA TECH

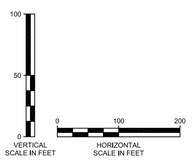
CROSS SECTION B – B'
BETHPAGE GROUNDWATER PLUME
BETHPAGE, NEW YORK

FILE	SCALE
112G00622GS02	AS NOTED
FIGURE NUMBER: B – B'	REV: 0 — DATE: 11/01/12





CROSS SECTION LOCATION MAP



LEGEND

- SAND AND GRAVEL
- F-M SAND WITH VARYING AMOUNTS OF SILT, CLAY, AND C. SAND

CONFINING UNITS

- INTERBEDDED CLAY AND SAND
- SANDY CLAY
- CLAY
- CONFINING UNIT FROM ARCADIS CROSS-SECTION, NO SPECIFIC LITHOLOGY GIVEN

[1] ARCADIS CROSS SECTION (2004)

• TVOC DATA FROM ARCADIS

- **BPOW 3-2** MONITORING WELL ID
- **VPB-127** VERICAL PROFILE BORING
- (2003) INSTALLATION YEAR
- (PROJECTED 450' ESE) PROJECTION
- MAR 2012 MONITORING WELL SAMPLING DATE
- CONFINING UNIT (DASHED WHERE INFERRED)
- **BPOW 3-2** *ND* MONITORING WELL SCREEN WITH TVOC COCENTRATION
- *374* VERTICAL PROFILE BORING TVOC RESULTS IN ug/L
- *ND* NON-DETECT
- MIXED VOC PLUME (5 µg/L CONTOUR LINE)
- PCE PLUME (5 µg/L CONTOUR LINE)
- TD = -743' MSL TOTAL DEPTH MEAN SEA LEVEL

TETRA TECH

CROSS SECTION E – E'
BETHPAGE GROUNDWATER PLUME
BETHPAGE, NEW YORK

FILE	SCALE
112G00622GS05	AS NOTED
FIGURE NUMBER	REV / DATE
E – E'	0 / 11/01/12

Section 2

VPB 127 Boring/Gamma Logs

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11-1-10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY – FAILING** DRILLER: BRIAN WELSHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0				M DENSE	YELLOW BRN	SAND AND GRAVEL	SW	DAMP TO DRY	0			
11/1									1 TO 1½" Φ GRAVEL				
	10						SAME			0			
1¼	20						SAME			0			
0840	30						SAME			0			
				35±					LESS GRAVEL @ 35'				
0900	40						SAND – TR TO SOME GRAVEL	SM	MOSTLY SAND.	0			
									WET ? ± 50'				
0930	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: SET 10" Φ CAS TO ± 17' USING CASING DRIVER W/ 10" ROWER BIT AND AIR TO REMOVE CUTTINGS.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11-4-10
GEOLOGIST: Conti
DRILLER: BRIAN WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	50				M DENSE	BRN	SAND - TR GRAV.	SM		0			
1000	56								TOOK BP GW VPB127-057				
S-1 @ 1520	57			•									
	60									0			
	70			69						0			
11/4				72	SOFT	BLK	CLAY (SANDY)						
74					M DENSE		SAND						
11/5													
	80									0			
							SAME						
	90									0			
							SAME						
S-2 @ 0945	96			•					TOOK BP GW VPB127-097				
	97												
	100									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: USED 8" BIT W/ MUD ROTARY TO ADVANCE BORING TO TD.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/5/10
GEOLOGIST: Conti
DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	100				M DENSE	TAN	SAND		WET	0			
	110						SAND - TR GRAVEL			0			
	120						SAME			0			
	130						SAME			0			
11/5									LOSE SOME WATER @ 136'				
11/8	140						SAME - TR CLAY			0			
	150						SAME			0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/8/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	150												
S-3 @ 1030	152			•	DENSE	BRN GRAY	SAND - TR GRAVEL	SM	TOOK GW BP VPB127-153	0			
	153												
	160						SAME			0			
	170						SAME			0			
	180						SAME.			0			
S-4 @ 1350	186			o			SAND-TR CLAY		-NO SAMPLE-				
	187								TR CLAY ON				
	190								EXPOSED	0			
									SCREEN				
									WILL GO TO 206' NEXT				
	200												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/8/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B WELLSCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	200				DENSE	TAN	FINE SAND	SM	WET	0			
									TOOK				
S-5 C 1540	206			•					BP-VPB127-GW-207				
	207												
	210						SAME			0			
	220						SAME			0			
									TOOK				
S-6 C 0925	226								BP-VPB127 GW-227				
	227			•									
	230						SAME			0			
	240					GRAY	SAME - TR			0			
							CLAY ~		235 → 240 ±				
							235 ±		BASED ON DRILL CUTTINGS				
S-7 C 1115	246								TOOK				
	247			•					BP-VPB127-GW-247				
	250												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/9/10
GEOLOGIST: Conti
DRILLER: B. WEUSCHAR

	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		250				DENSE	GRAY	SAND	SM		0			
		260									0			
								SAME						
										TOOK				
11/9	S-8	266								BP-VPB127				
11/10	@ 1315	267			•					GW-267				
		270									0			
								SAME						
		280						SAME			0			
										TOOK				
	S-9	286								BP-VPB127				
	@ 1100	287			•					GW-287				
		290						SAME			0			
		300												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/10/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	300				DENSE	TAN	SAND (FTOM)	SM	WET	0			
S-10 @	306								TOOK				
1305	307			•					BP-VPB127 GW-307				
	310						SAME			0			
	320						SAME			0			
									TOOK				
S-11 @	326								BP-VPB127				
11/10 1500	327			•			SANDY CLAY		GW-327				
	330			?					SANDY CLAY	0			
11/11							SAND		ON SCREEN				
	340									0			
							SAME	SM	WET				
S-12	346								TOOK:				
@ 0940	347			•					BP-VPB127 GW-347				
	350												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/11/10
GEOLOGIST: Conti
DRILLER: B WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	350				DENSE	GRAY	SAND (F/M)	SM	WET	0			
	360						SAME.			0			
S-13 C 1130	366 367			•					TOOK BP-VPB127 GW-367				
	370						SAME			0			
	380						SAME.			0			
S-14 C 1345	386 387 390			•			SAME		TOOK BP-VPB127-GW-387	0			
	400												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY
BORING No.: VPB-127
DATE: 11/11/10
GEOLOGIST: Conti
DRILLER: B WELISCHAR

	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		400				DENSE	GRAY	SAND F/M	SM	WET	0			
										TOOK				
11/11	S-15 @ 1530	406			•					BP-VPB127-GW-407				
11/12		407												
		410						SAME			0			
		420						SAME			0			
										TOOK BP-VPB127-GW-427				
	S-16 @ 1000	426			•									
11/15		427												
		430						SAME			0			
		440						SAME			0			
										TOOK VPB127-GW-447 DUP TO CHEMTECH				
	S-17 @ 1130	446			•									
		447												
		450												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/15/10
GEOLOGIST: Conti
DRILLER: B WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	450				DENSE	SPLY TAN	SAND F/M	SM	WET	0			
	460						SAME			0			
S18	466								TOOK				
@ 1310	467			•			SAME - TR		BP-VPB127-GW-467				
	470						CLAYEY SAND			0			
							ON SCREEN OF H-PUNCH						
	480						SAME			0			
S19	486								TOOK				
11/15 @ 1500	487			•					BP-VPB127-GW-487				
	490						SAME			0			
11/16													
	500												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/16/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	500				DENSE	GRAY	SAND - F/M	SM	WET	0			
						TAN	TR CLAY						
S-20	506								TOOK BP-VPB-127 GW-507				
@ 0945	507												
	510						SAND TR-SANDY			0			
							CLAY ON	SCREEN					
	520						SAND			0			
S-21	526								TOOK BP-VPB127 GW-527				
@ 1200	527												
	530						SAME			0			
	540						SAME			0			
									TOOK BP-VPB127 GW-547				
S-22	546												
@ 1410	547												
	550												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/16/10
GEOLOGIST: Conti
DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	550				DENSE	TAN GRAY	SAND F/M TR CLAY	SM	WET	0			
	560						SAME			0			
S-23 @ 1600	566								TOOK BP-VPB127 GW-567				
	567									0			
	570						SAME						
	580						SAME			0			
S-24 @ 1015	586								TOOK BP-VPB127 GW-587				
	587												
	590						SAME			0			
	600												

11/16
11/17

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/17/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	600												
					DENSE	GRAY	SAND F/M	SM	WET	0			
							TR CLAY						
S-25	606								TOOK				
@ 1220	607			•					BP-VPB127 GW-607				
	610						SAME			0			
	620						SAME			0			
S-26	626								TOOK				
@ 1410	627			•					BP-VPB127 GW-627				
	630						SAME			0			
									—				
	640						SAME			0			
									TOOK				
S-27	646								BP-VPB127 -GW-647				
@ 1600	647			•									
	650												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: VPB-127
DATE: 11/18/10
GEOLOGIST: Conti
DRILLER: B. WELISCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	650				DENSE	GRAY	SAND - F/M	SM	WET	0			
	600						SAME			0			
									TOOK				
S-28 @ 1030	666 667			•					BP-VPB127 GW-667				
	670						SAME			0			
	680						SAME			0			
									TOOK				
S-29 @ 1230	686 687			•			F/M SAND - TR TO SOME COARSE SAND	SW SP	BP-VPB127 GW-687 (1 VIAL)	0			
	690												
	700												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/18/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WEUSCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	700				DENSE	BRN GRAY	F/M SAND - TR	SW	WET	0			
							COARSE		TOOK				
11/18 S-30 @	706						SAND		BP-VPB127-GW-707				
1440	707			•									
	710						SAME			0			
	720						SAME			0			
									TOOK				
S-31 @	726								BP-VPB127-GW-727				
11/22 1045	727			•									
	730						SAME			0			
	740						SAME			0			
									TOOK				
S-32 @	746								BP-VPB-127 GW-747				
1110	747			•									
	750												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/22/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELISCAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	750												
					DENSE	BRN GRY	SAND F/M	SM SP	WET	0			
	760						SAND		TR CLAY ~760	0			
	770									0			
	771						HIT SOME CLAY e		771'				
	780						SAND - SOME			0			
							CLAY						
	786								TOOK				
S-33 C	787			•					BP-VPB127-GW-787				
1330	790						SAME.			0			
	800												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **VPB-127**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 11/23/10
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: B. WELLSCHAR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	800				DENSE	TAN	SAND/CLAY	SM/SC	WET TOOK	0			
11/22 S-34 @ 1515	806								BP-VPB127-GW-807				
11/23	807												
	810									0			
							F/M SAND - LESS CLAY						
	820									0			
				821±									
					STIFF	GRAY	SILTY CLAY - TR SAND	CL	MOIST				
SPOON S-1 @ 0900	826						TO		NO GW SAMPLE				
	827		5/1				AT LEAST 827 - BASED ON DRILLING		ATTEMPT HERE				
	830									0			
				835					BASED ON GAMMA LOG				
				CLAY									
	840						SAME	CL		0			
							SILTY CLAY TR SAND		NO GW SAMPLE				
							TO		ATTEMPT				
	846			846			846±		≈ 25' CLAY				
	847			TD					PER DRILLER				
	850								& CUTTINGS				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

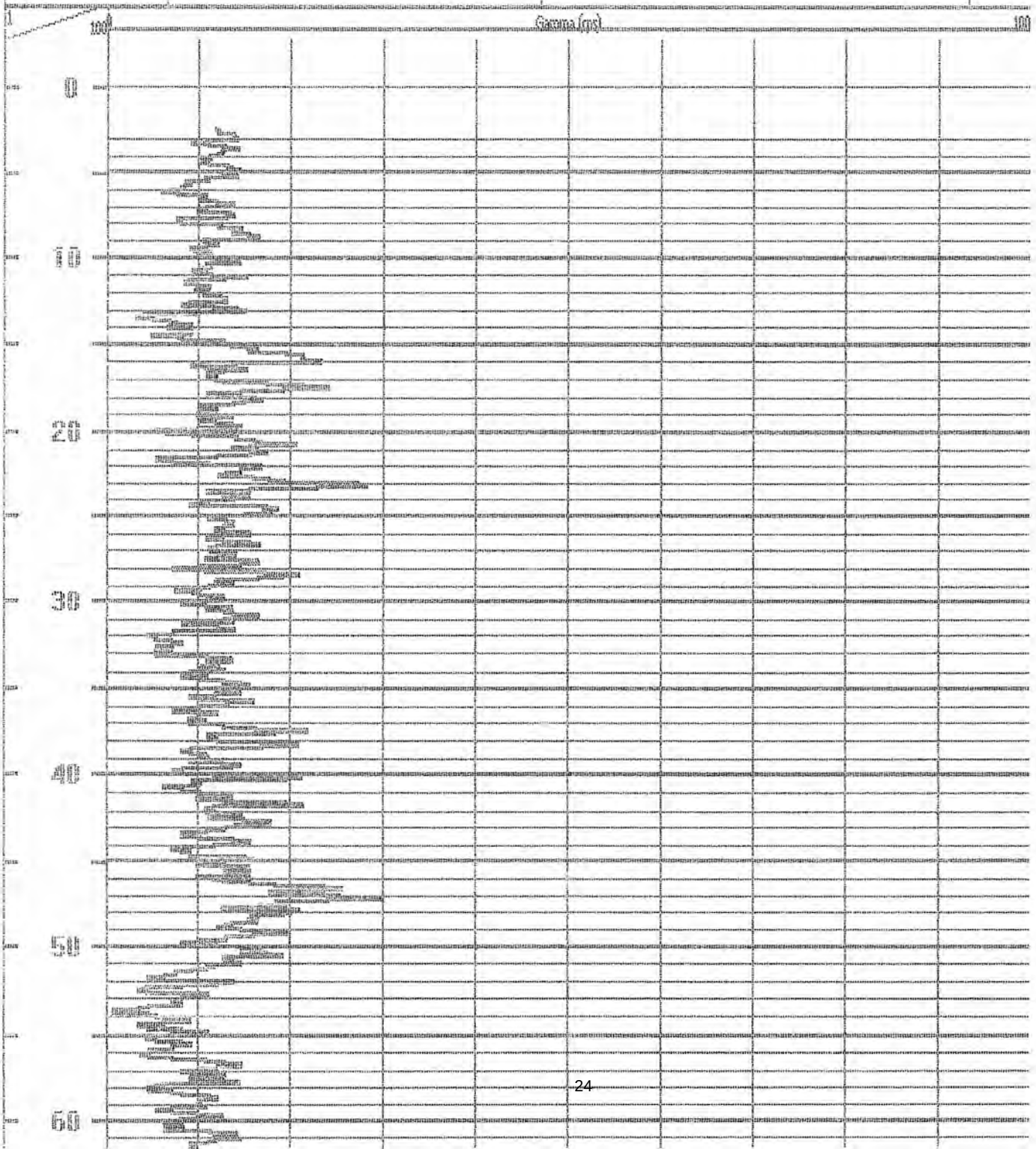
Drilling Area Background (ppm): 0

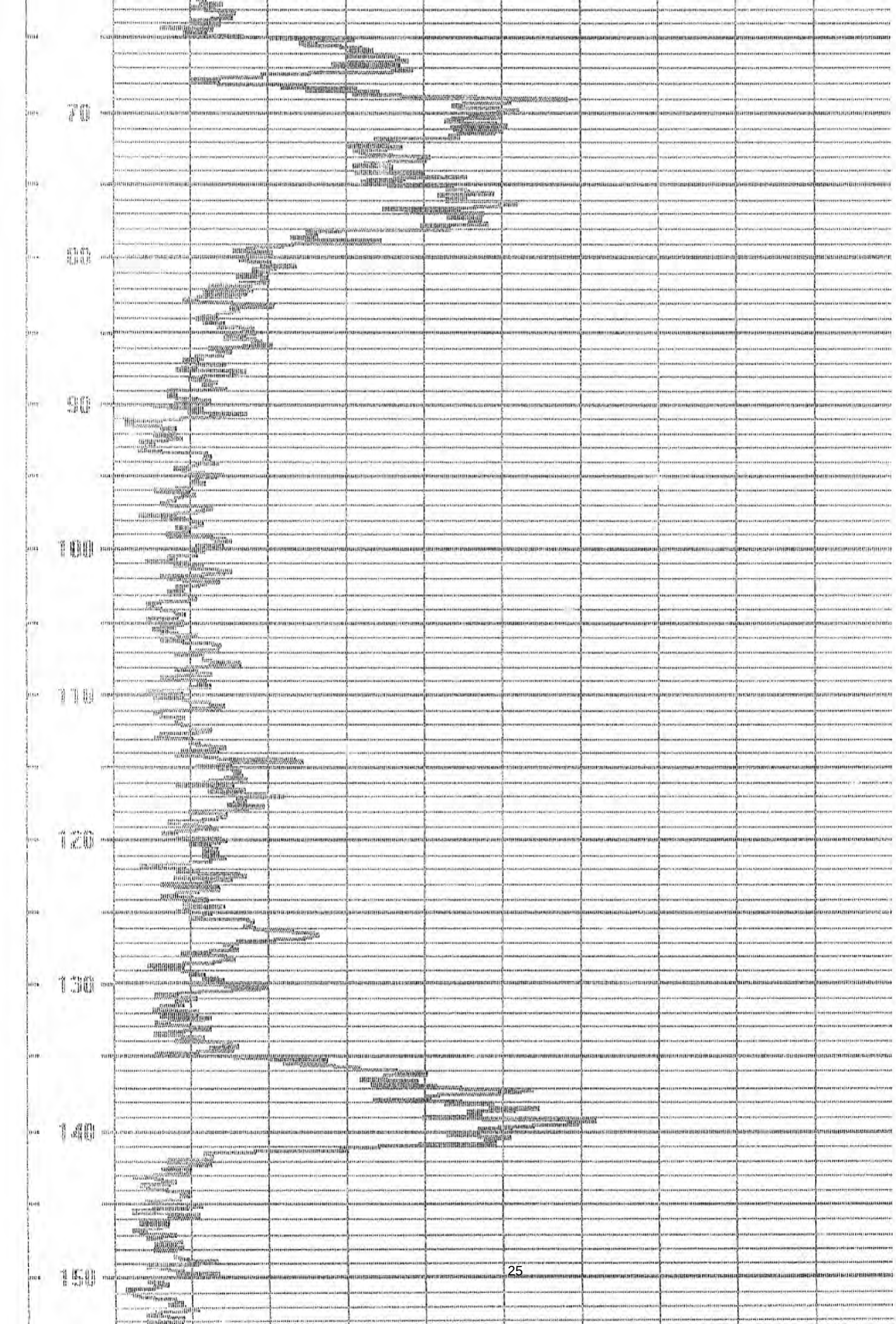
Remarks:

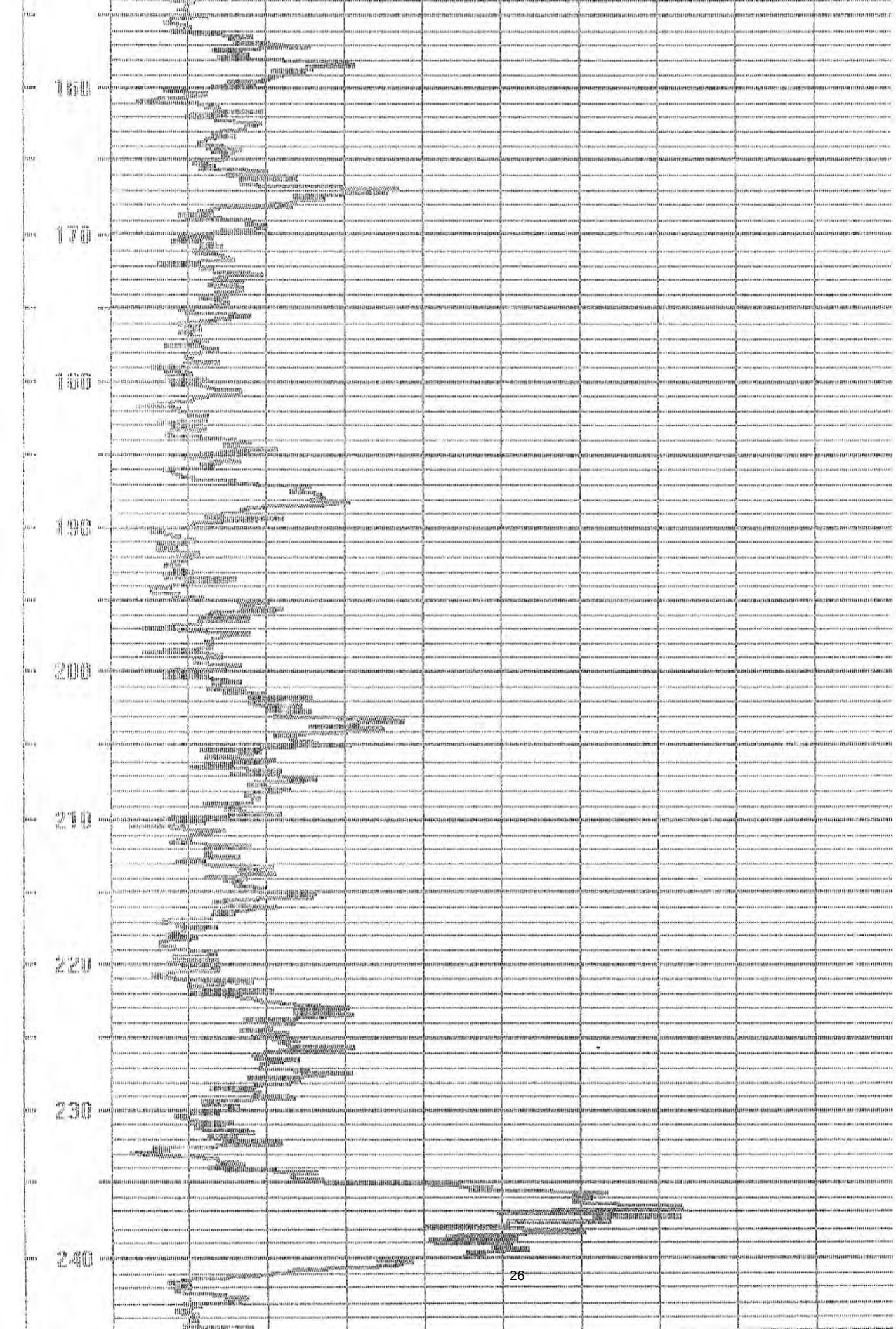
Converted to Well: Yes ____ No X Well I.D. #: ____

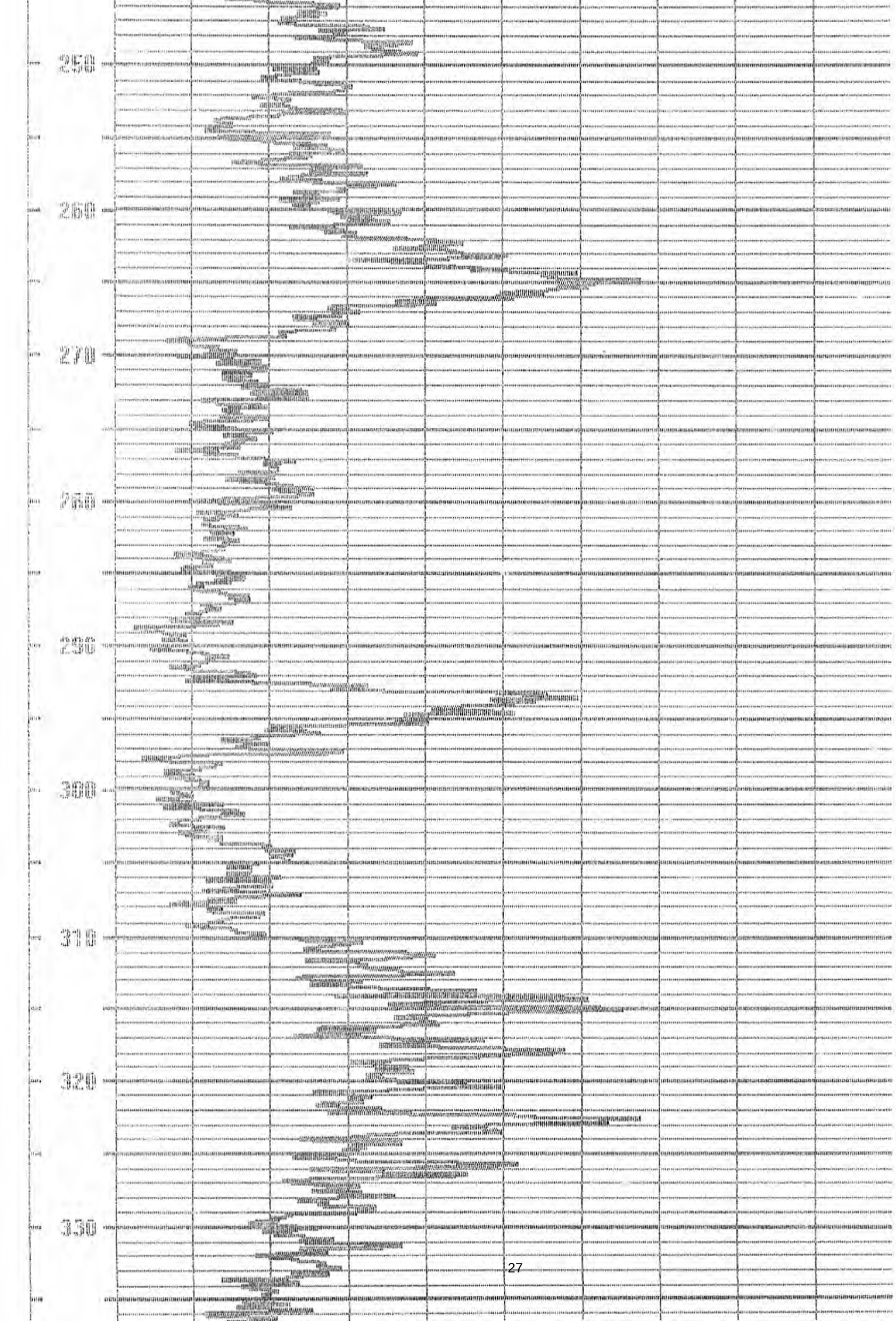
Date: Tuesday, November 23, 2010 Time: 11:45 File: C:\My Documents\717\VPB-127.wl (Down)

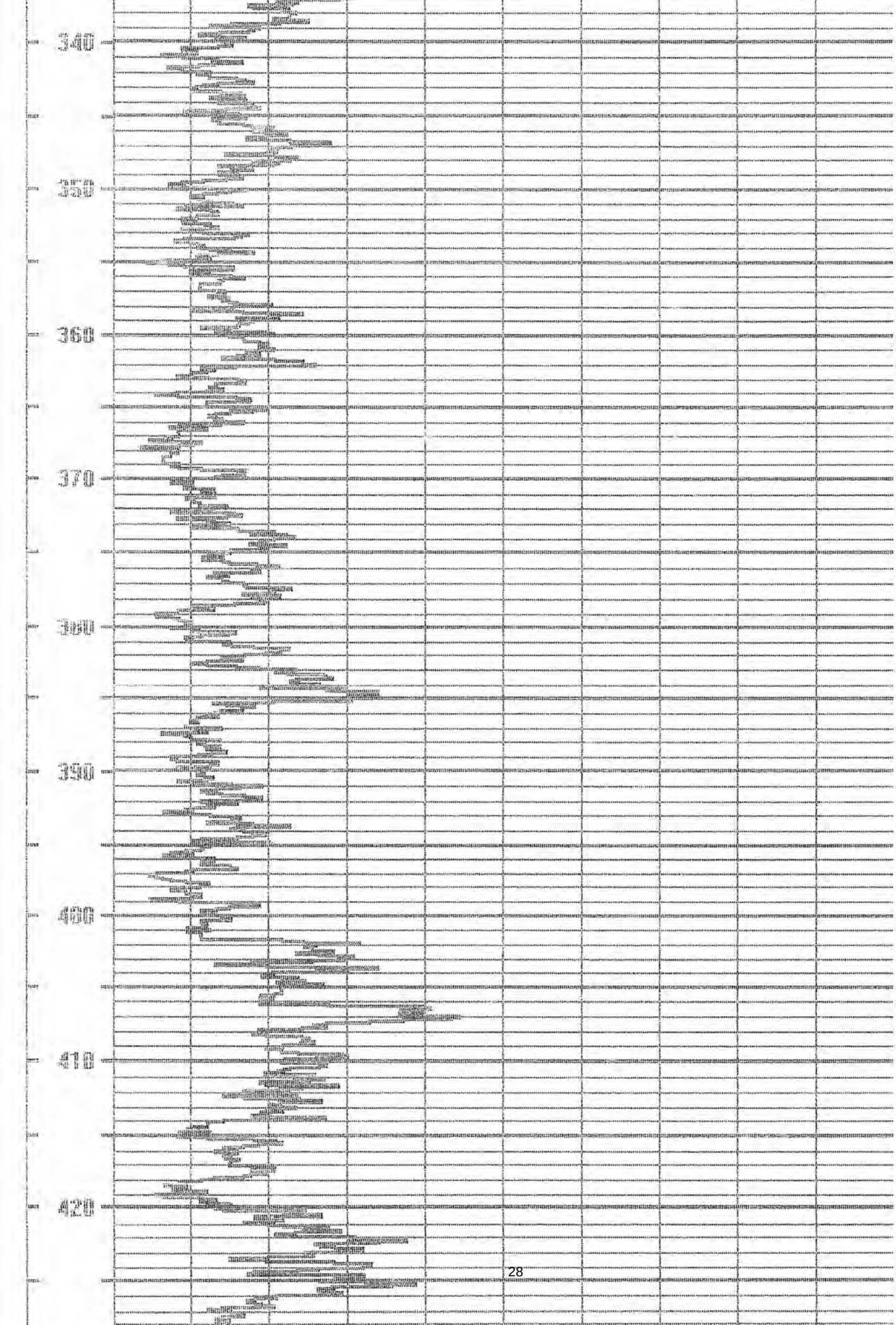
	COMPANY: DELTA WELL & PUMP CO INC	Caliper
	Location: NWIRP BETHPAGE	
Well: VPB-127	Depth Driller:	
	Depth Logger:	
Date: 11/23/10	BH Fluid:	Logged by: CMO
File Name: 717		Witness: STAN

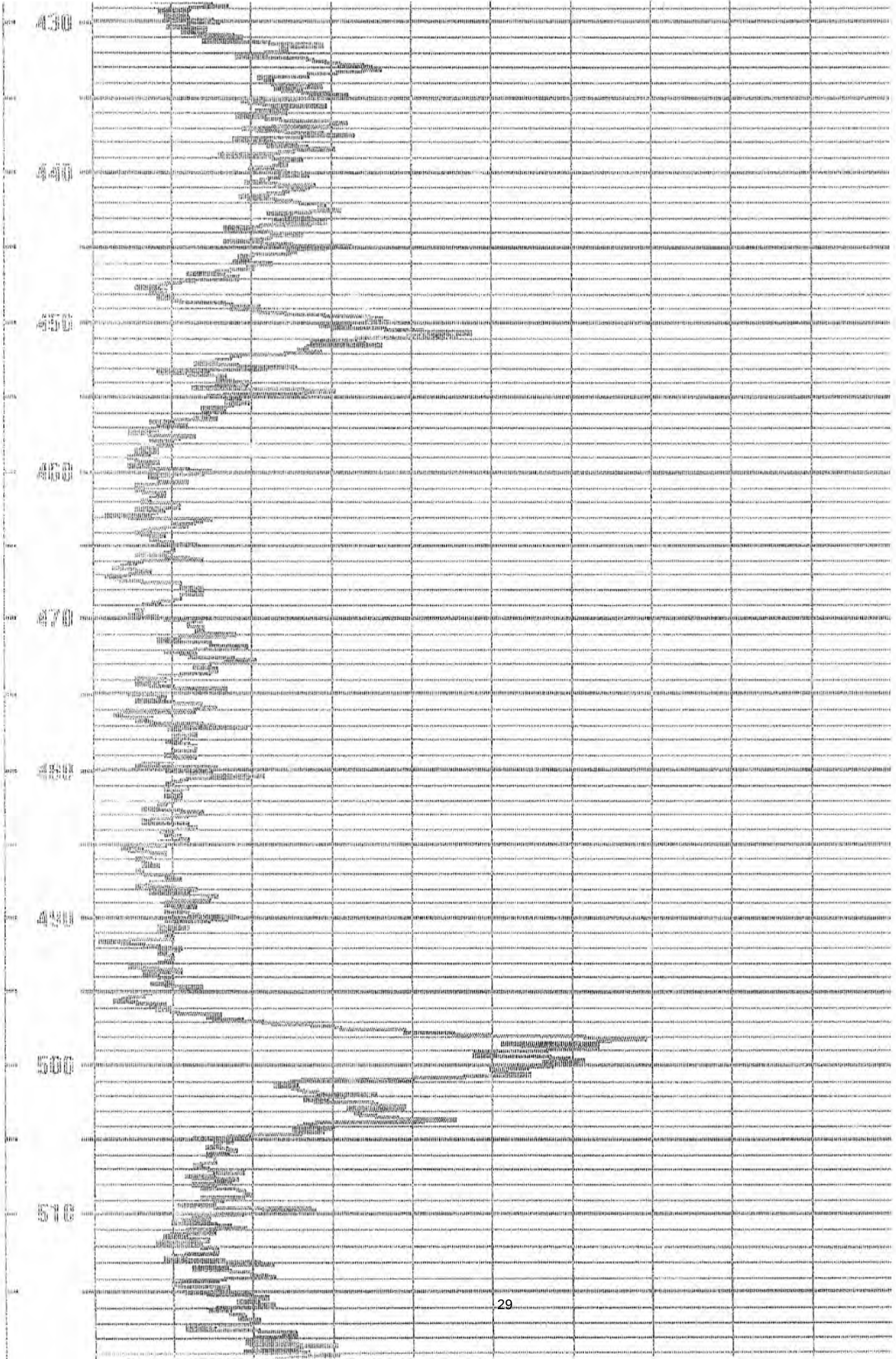


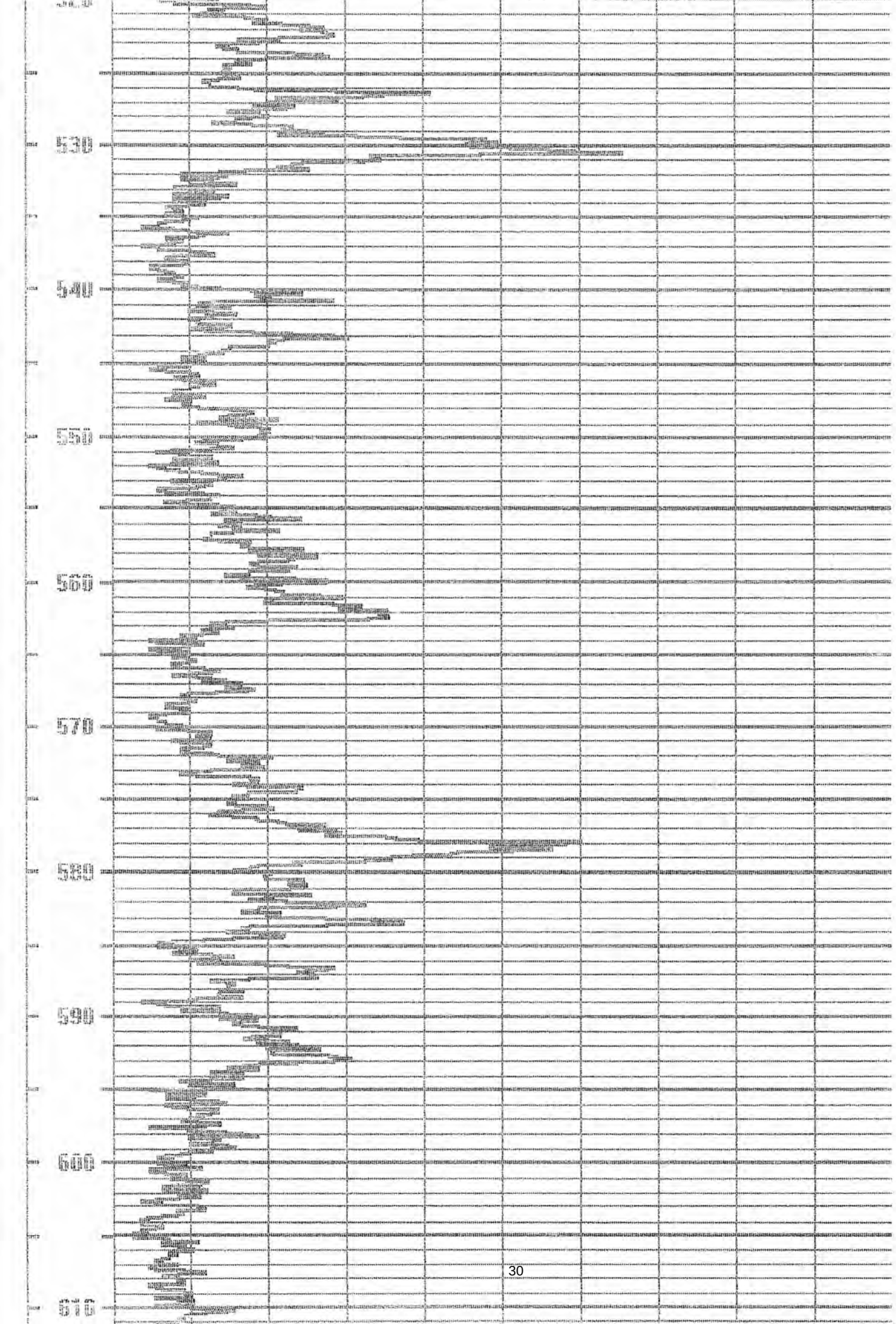

70
80
90
100
110
120
130
140
150

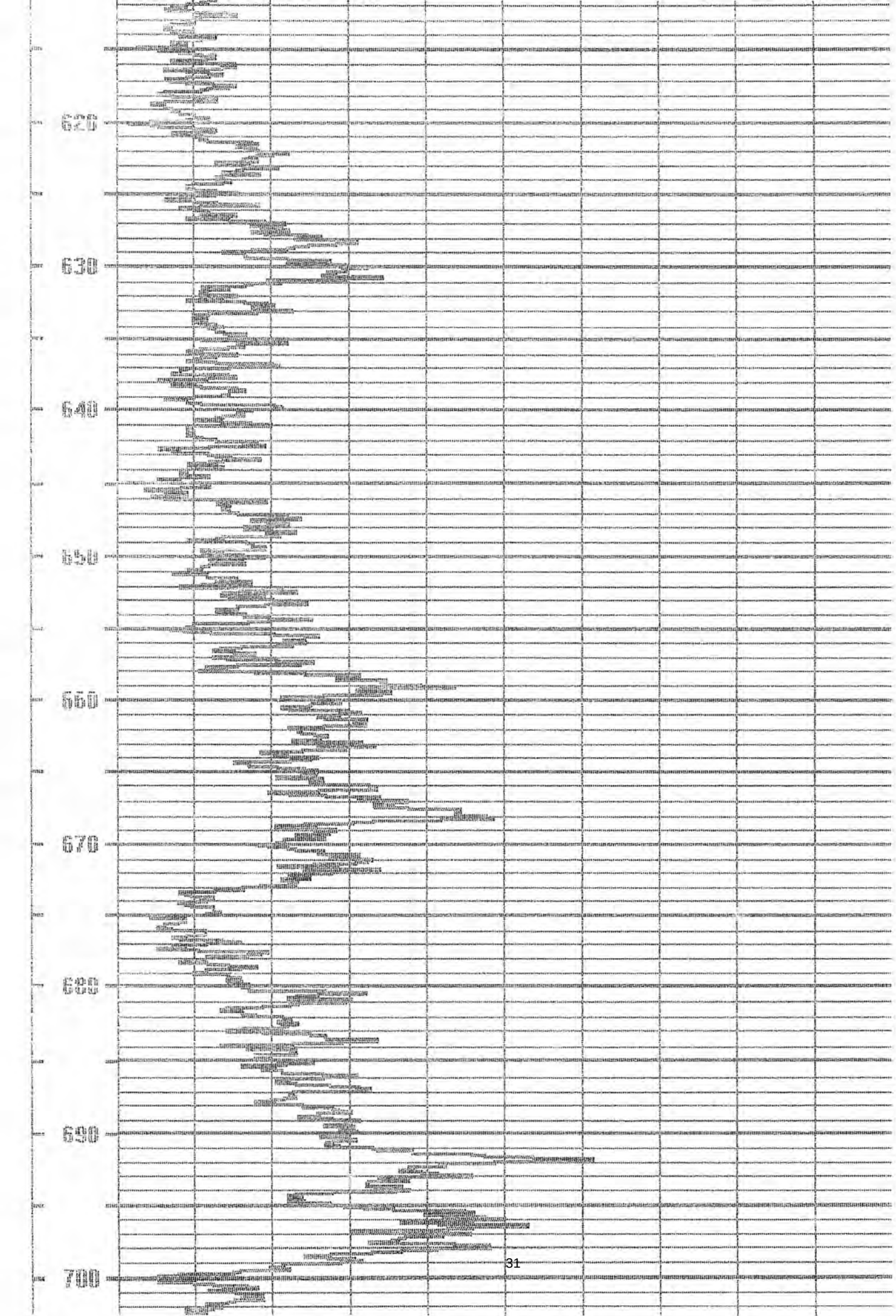

160
170
180
190
200
210
220
230
240

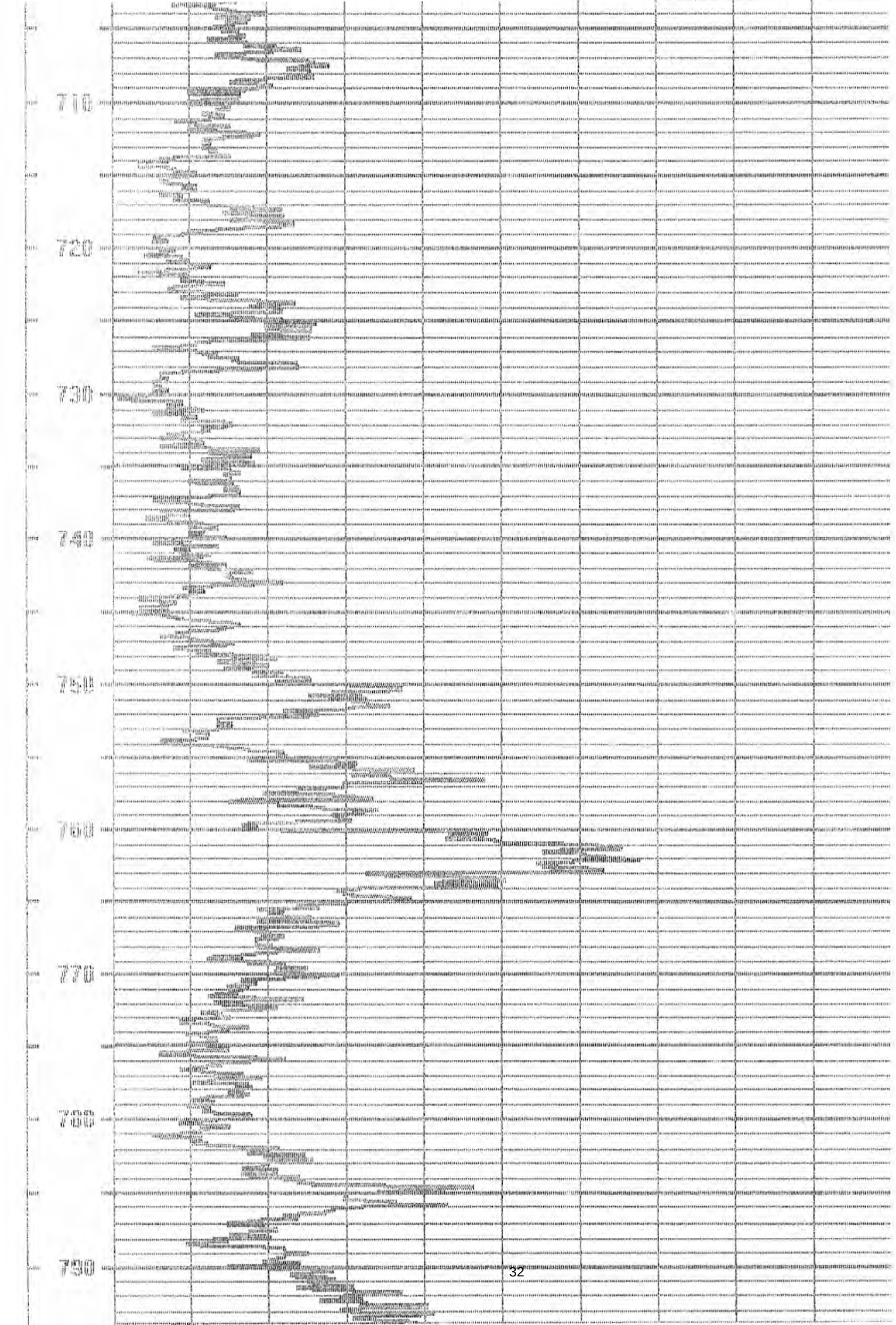

250
260
270
280
290
300
310
320
330

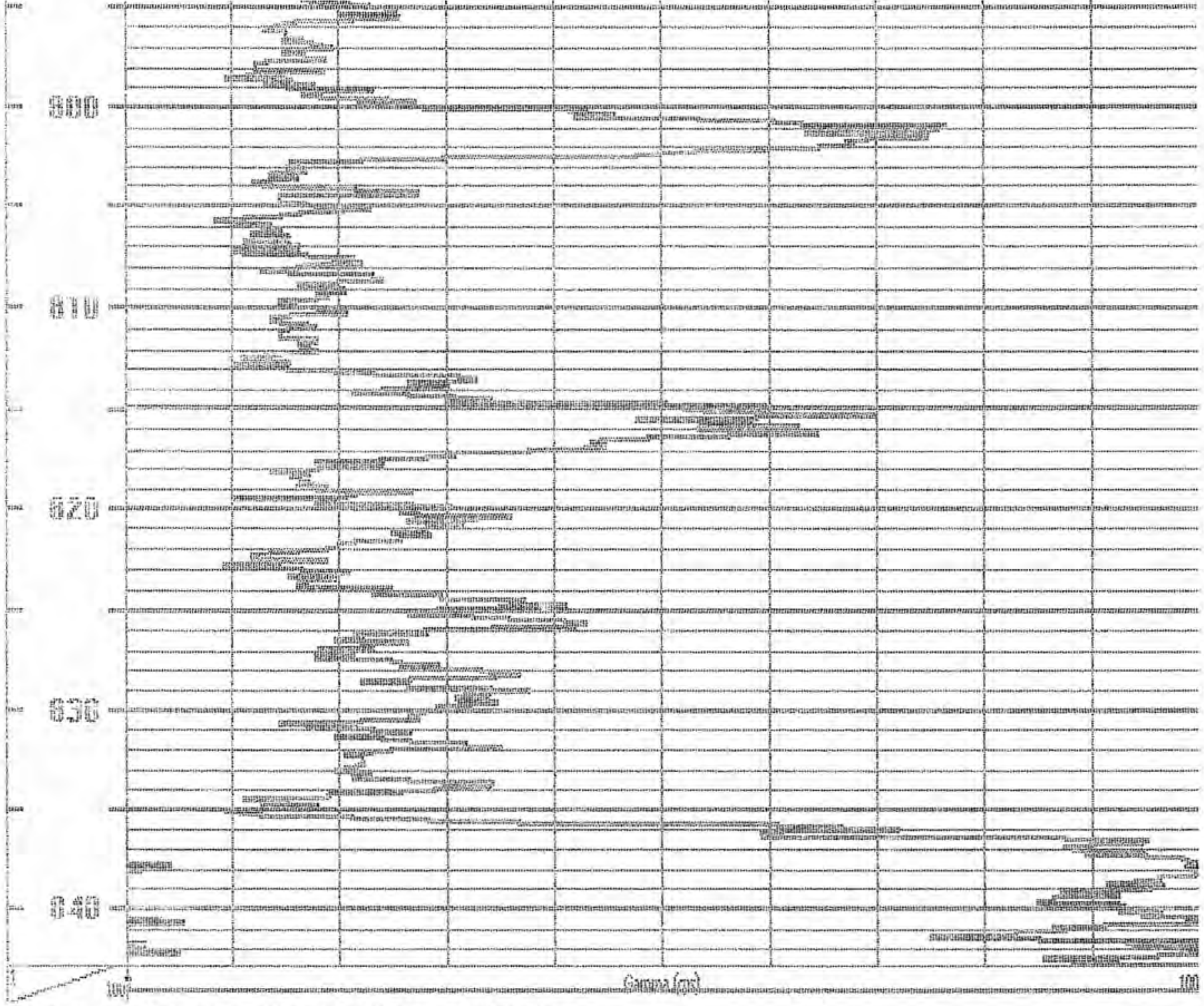

340
350
360
370
380
390
400
410
420


430
440
450
460
470
480
490
500
510


530
540
550
560
570
580
590
600
610


625
630
640
650
660
670
680
690
700

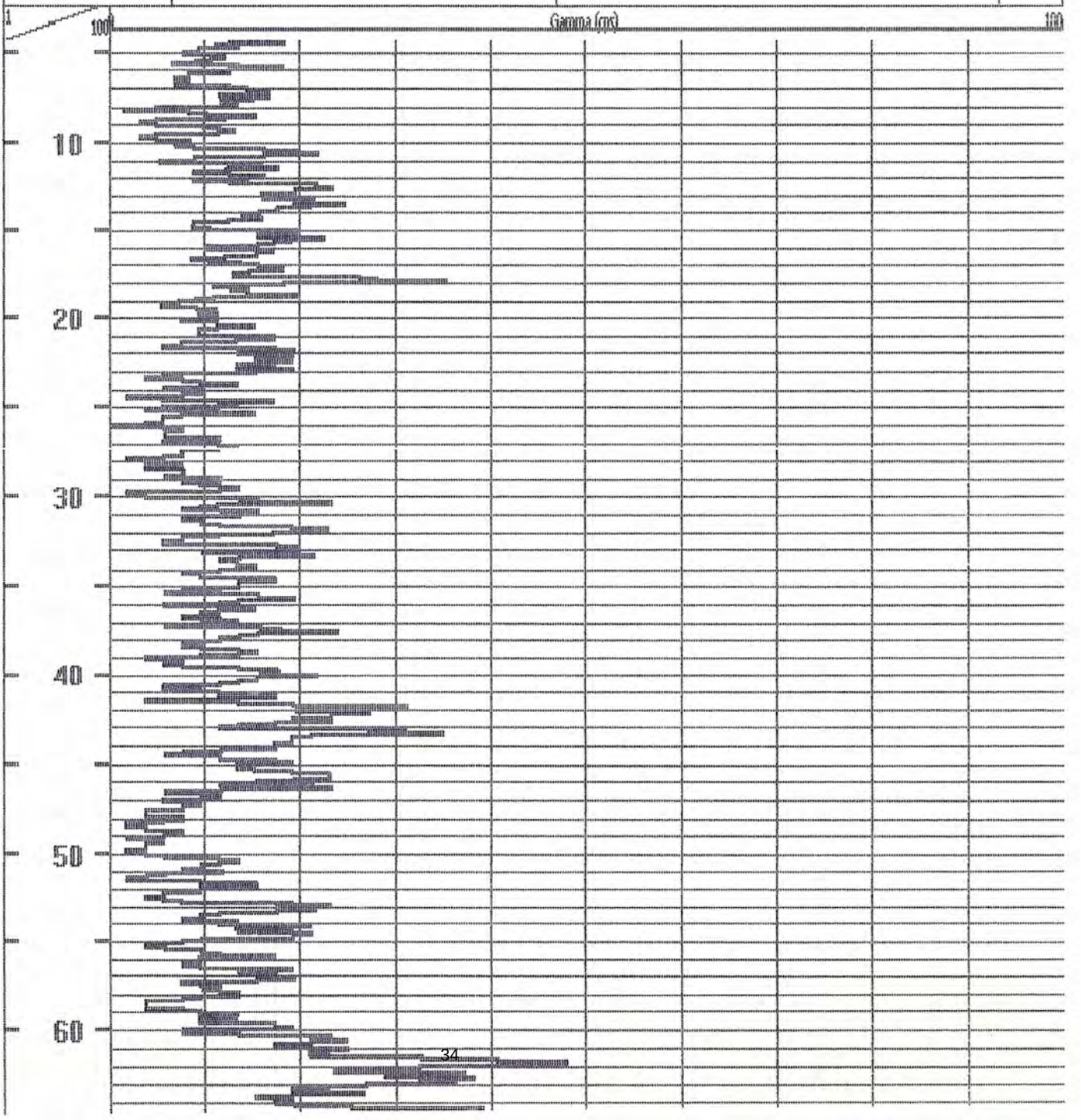


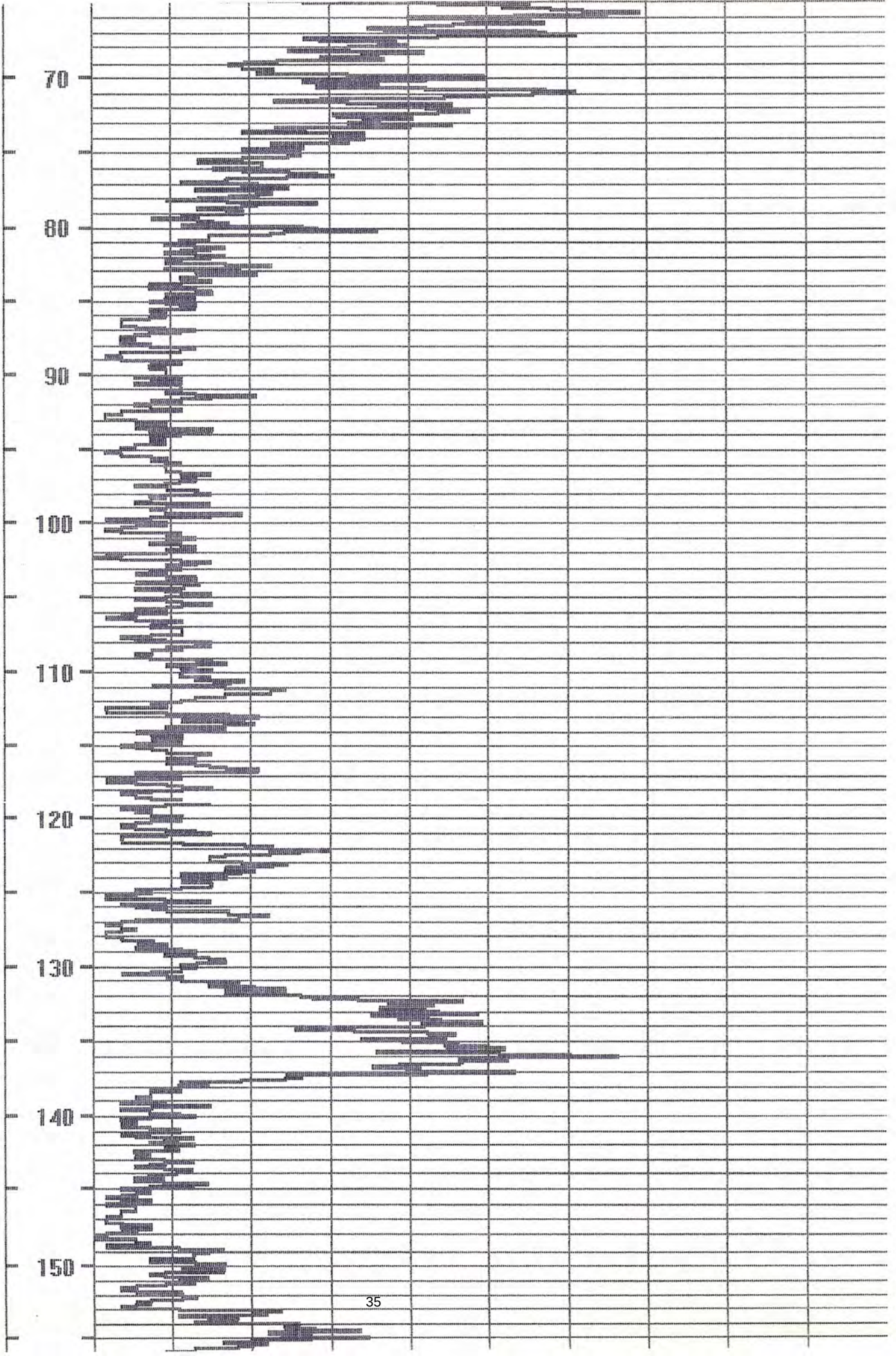


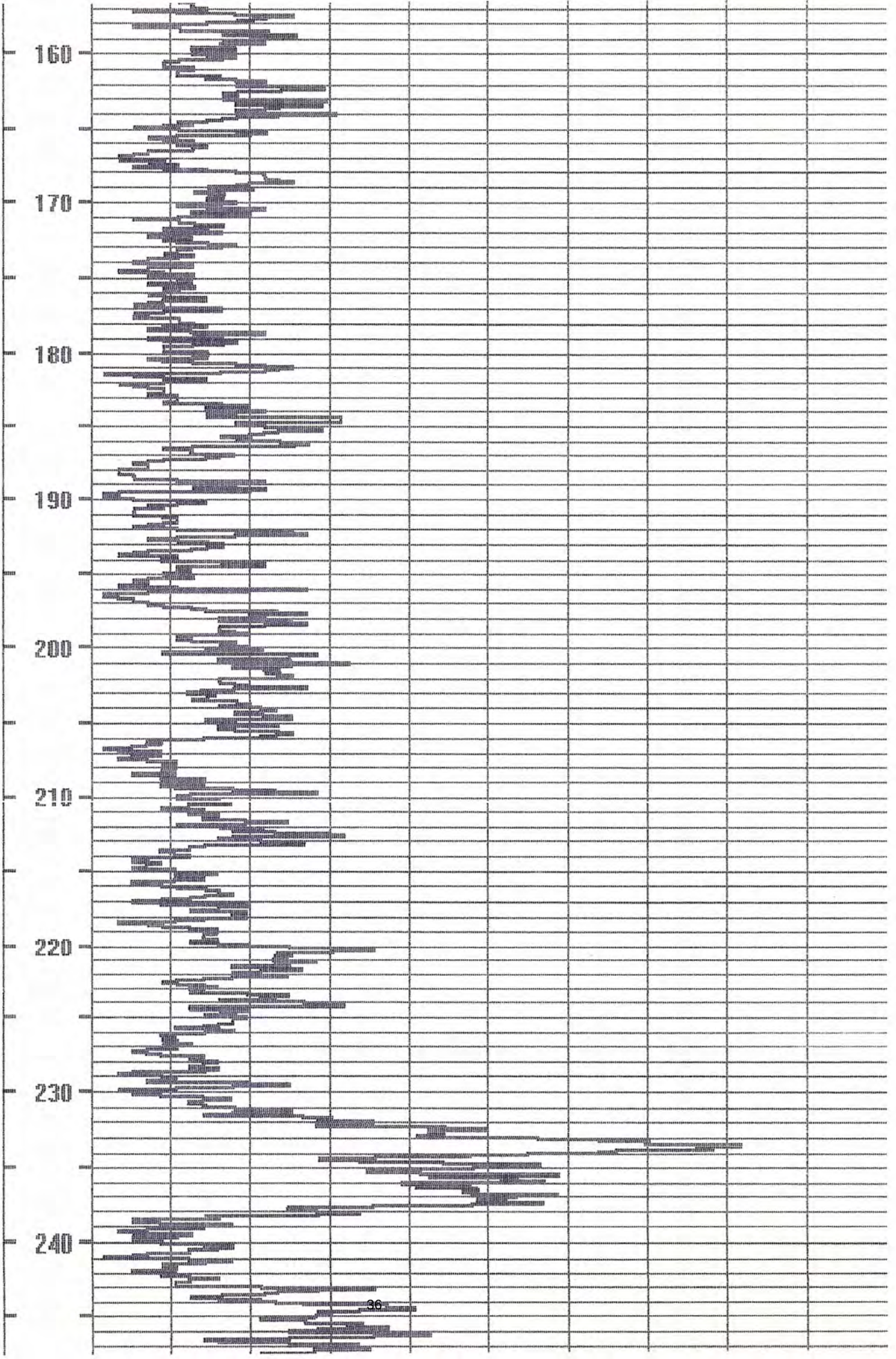
Date: Tuesday, November 23, 2010 Time: 11:45 File: C:\My Documents\717\VBP-127.rd

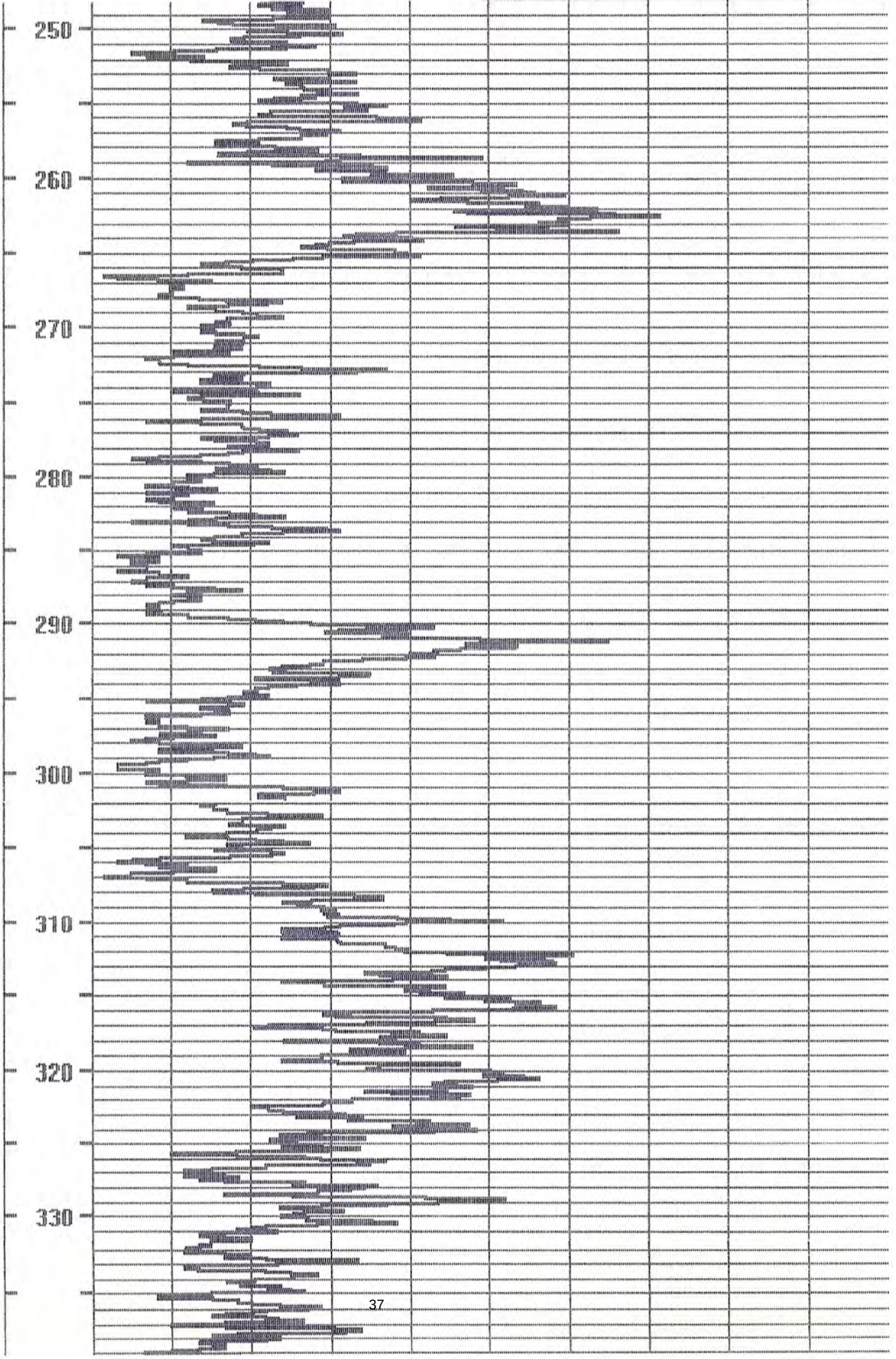
Date: Tuesday, November 23, 2010 Time: 12:43 File: C:\My Documents\717\VPB-127up.rd (UP)

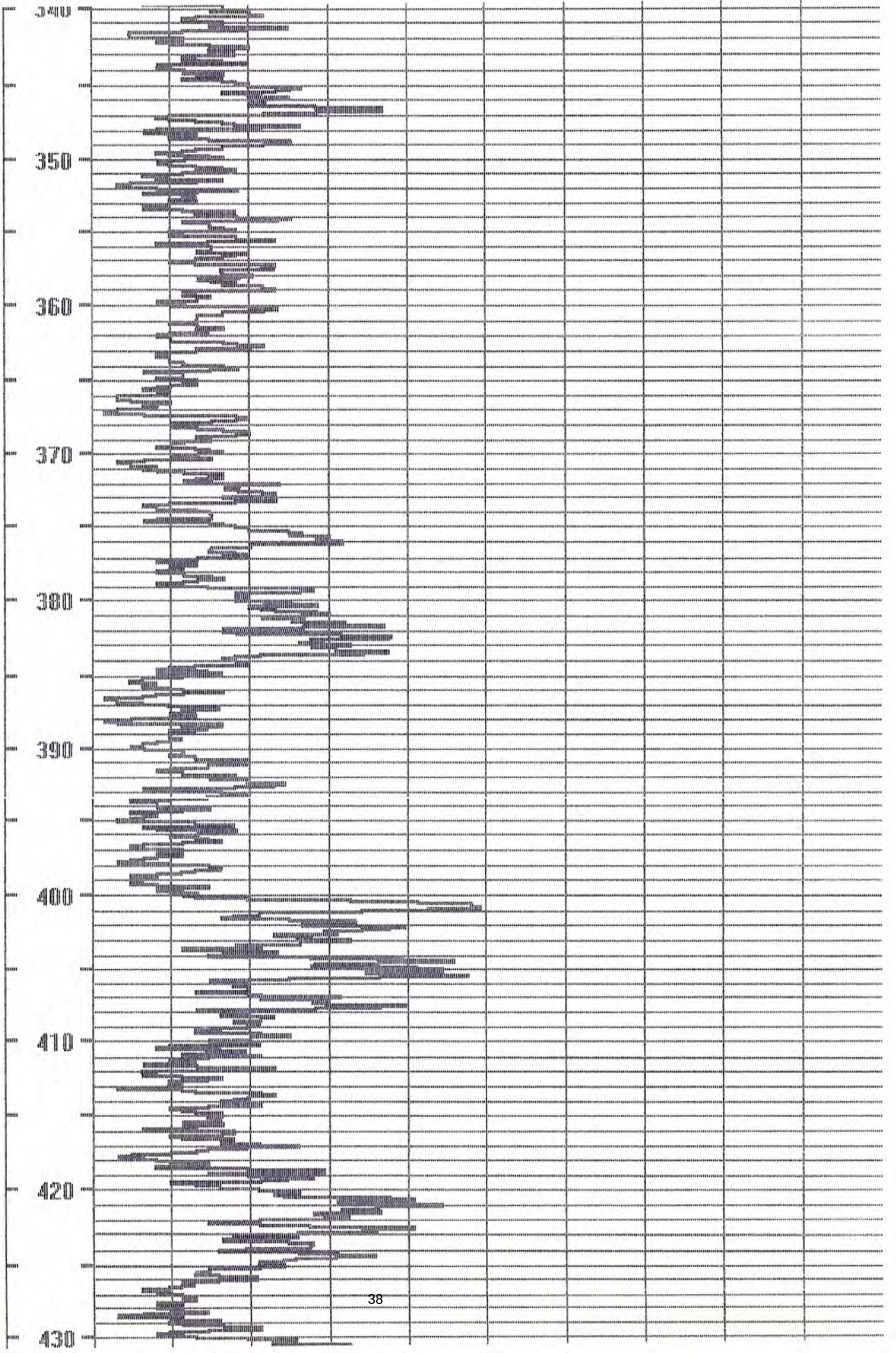
	COMPANY: DELTA WELL & PUMP CO INC			Casing
	Location: NWIRP BETHPAGE			
Well	VPB-127		Depth Driller 846 Depth Logger 845	
Date	11/23/10	BH Fluid	Logged by: CMO	
File Name	717		Witness: STAN	

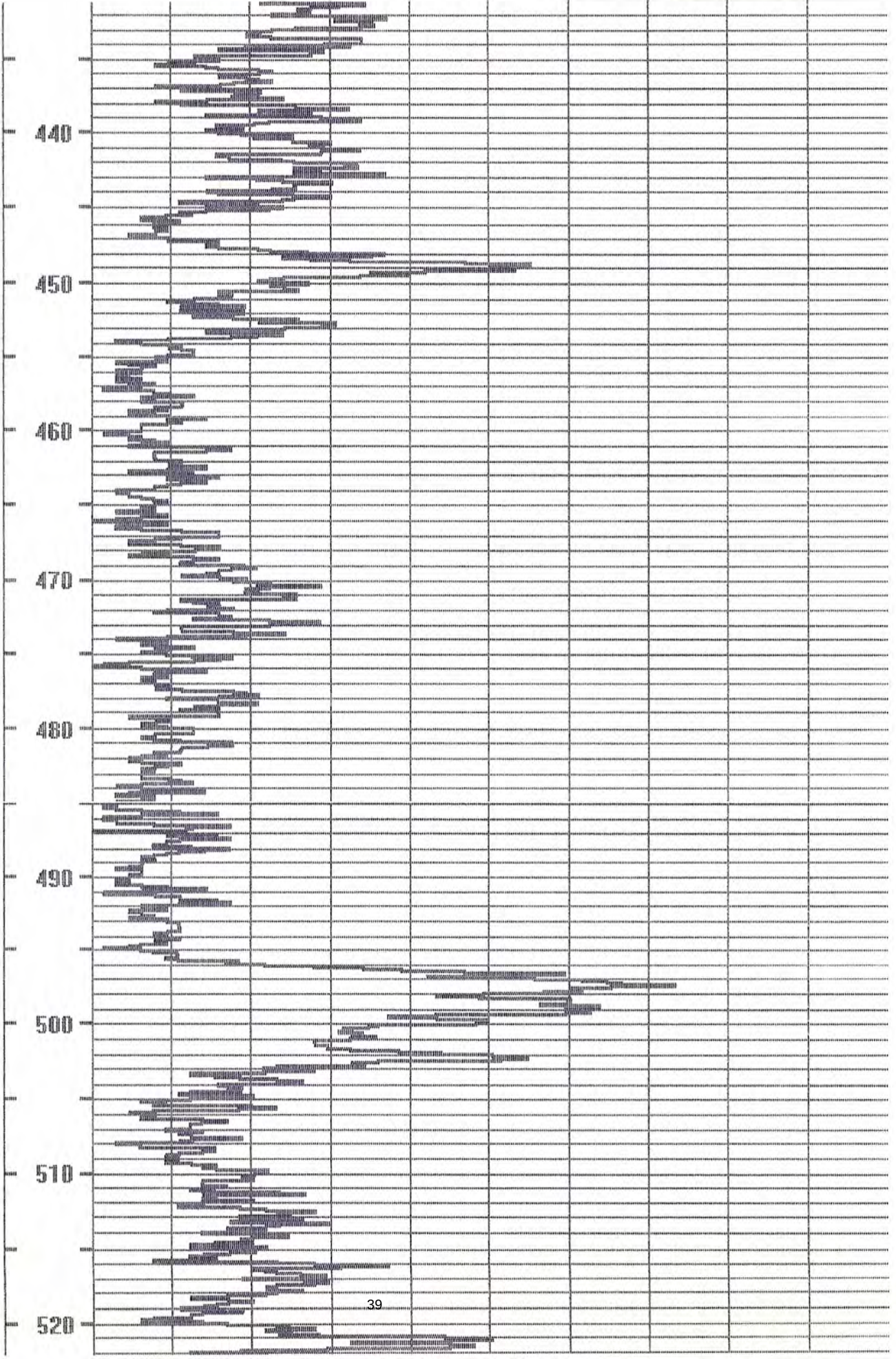


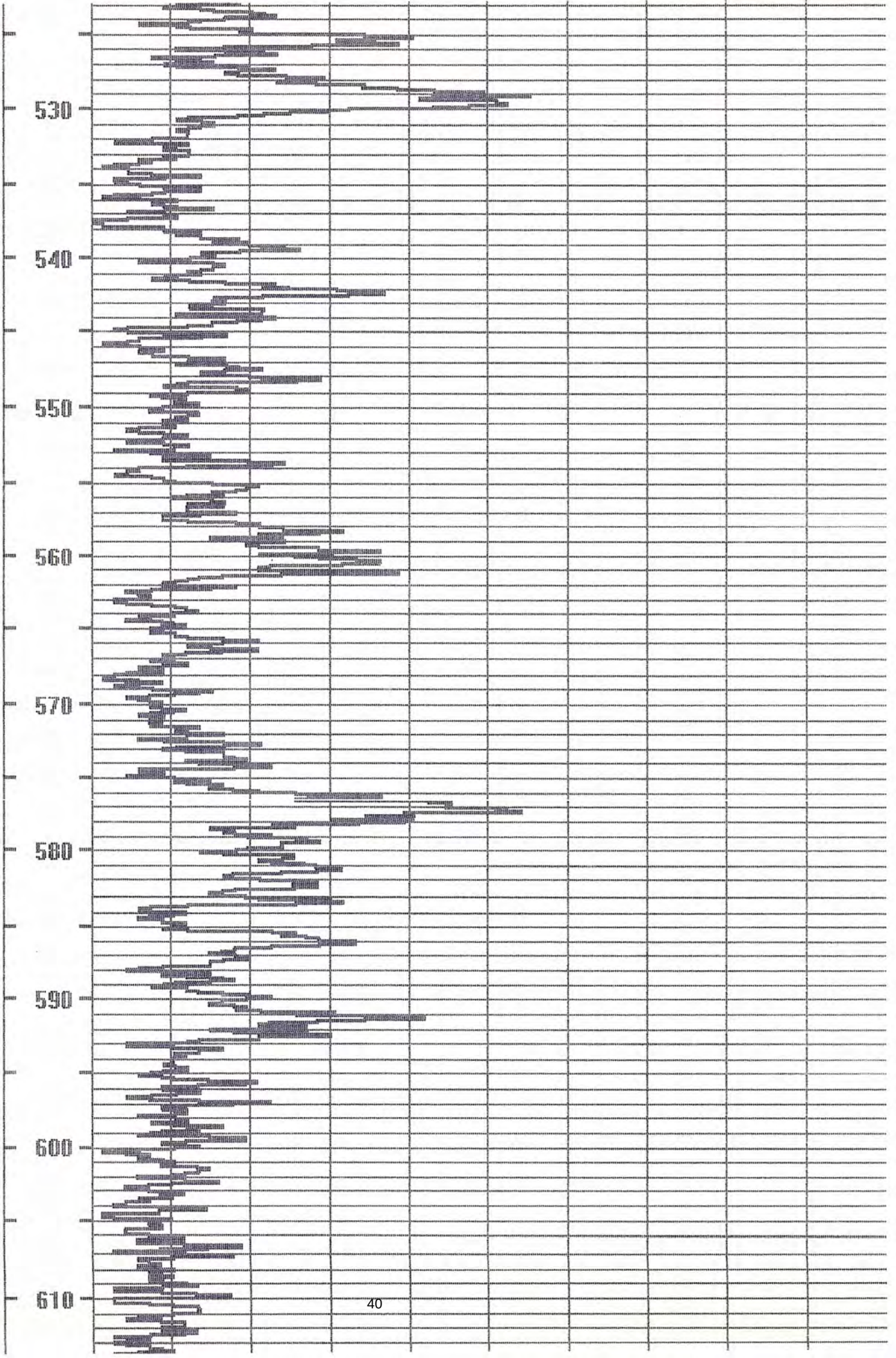

70
80
90
100
110
120
130
140
150

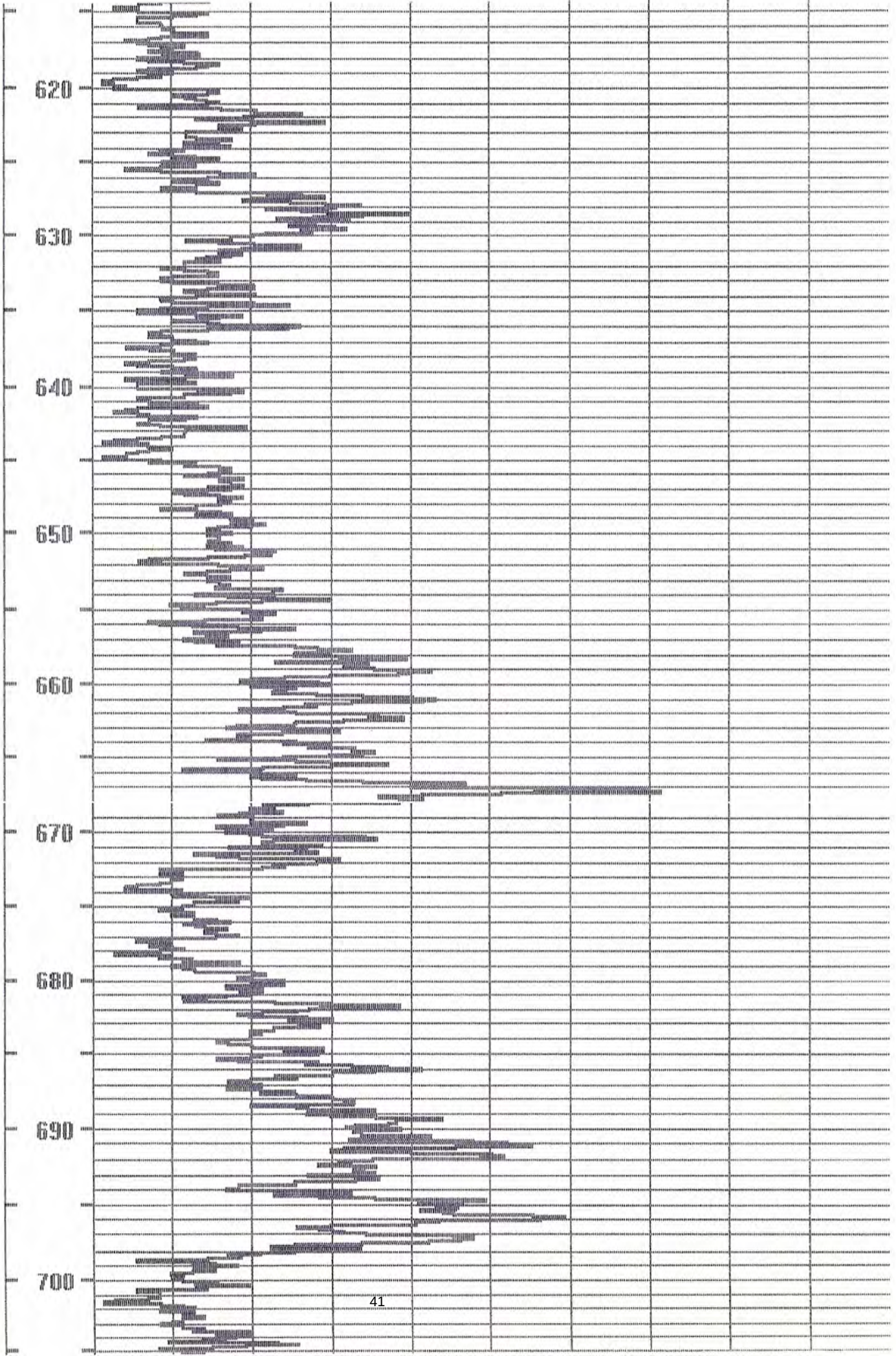

160
170
180
190
200
210
220
230
240

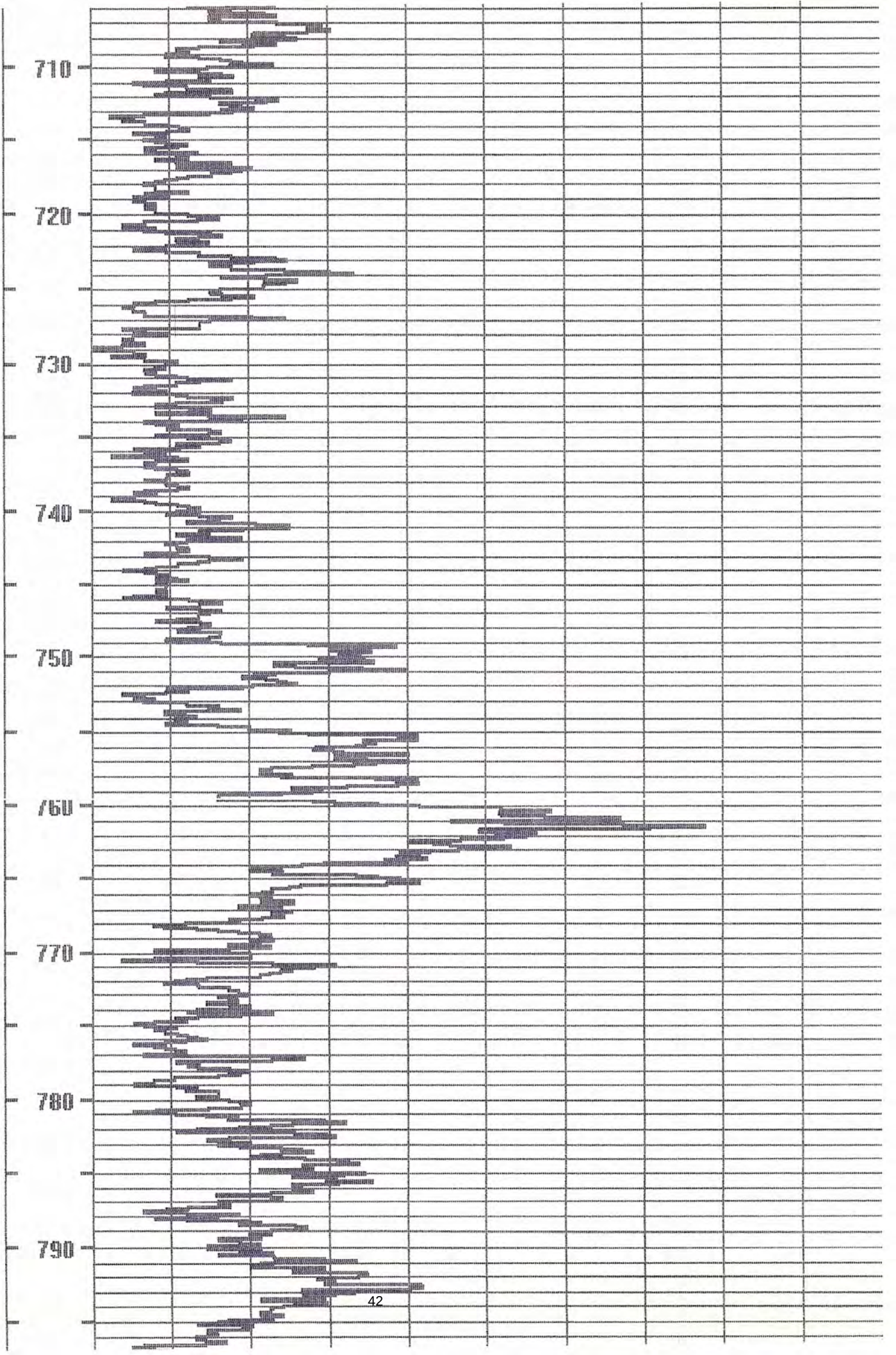

250
260
270
280
290
300
310
320
330

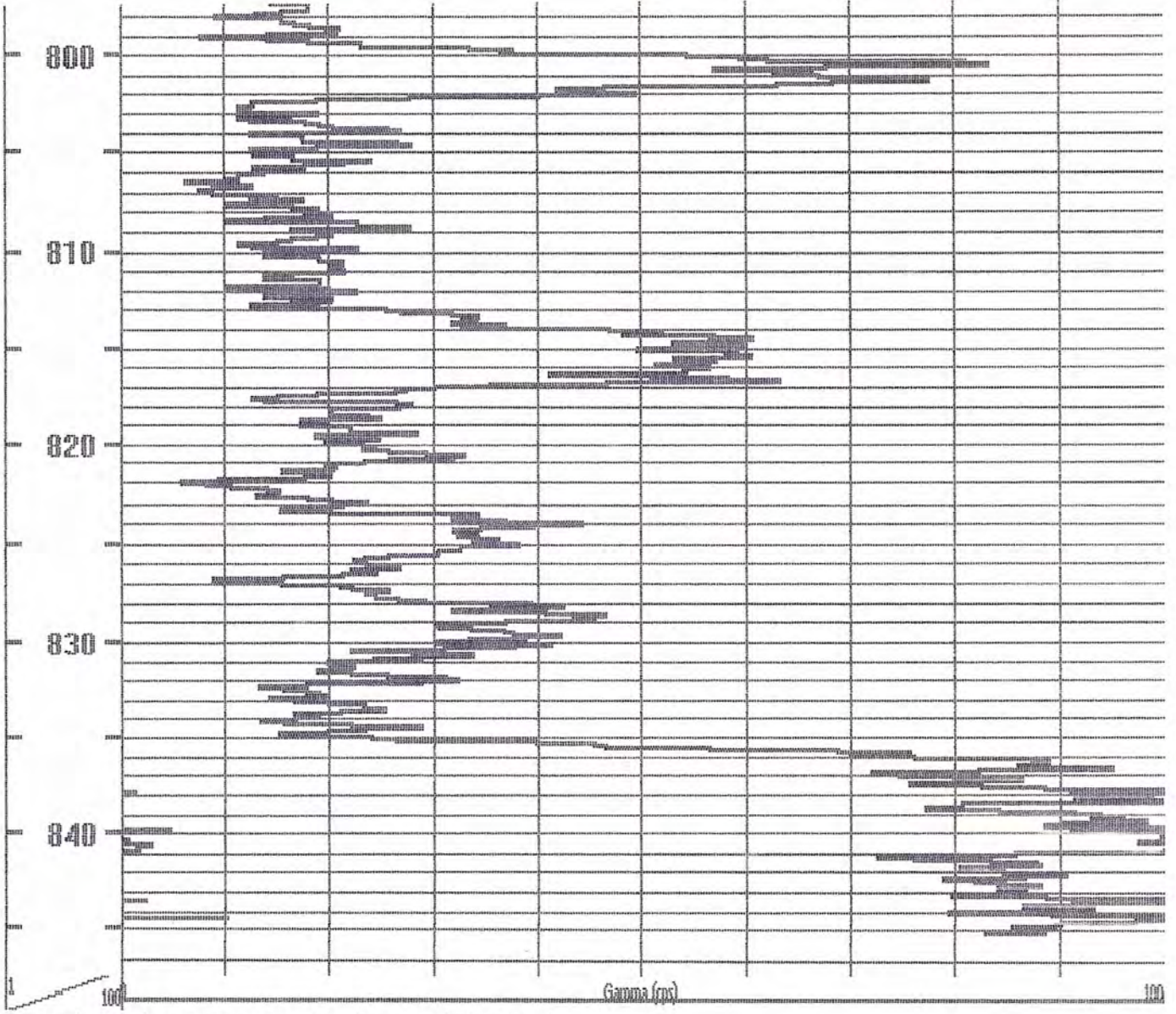

340
350
360
370
380
390
400
410
420
430


440
450
460
470
480
490
500
510
520


530
540
550
560
570
580
590
600
610


620
630
640
650
660
670
680
690
700


710
720
730
740
750
760
770
780
790


800
810
820
830
840
1
100
Gamma (cps)
100
Date: Tuesday, November 23, 2010 Time: 12:43 File: C:\My Documents\717\VPB-127up.xl

Section 3

VPB 127 Groundwater Sample Log Sheets

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-057
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028426
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11-4-10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1520	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	ORG BRN	5.63	.132	15.34	701	6.63	23	-

PURGE DATA:

Date: NA								
Method: NA								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: VPB								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-097
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028426
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11-5-10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 0945	ORANG BRN	5.94	.234	13.89	2128	4.06	-447	—
Method: Hydropunch								

PURGE DATA:

Date: NA								
Method: NA								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: VPB-127								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-153
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/8/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1030								
Method: Hydropunch	BRN CLAY	6.94	.577	11.93	2118	4.42	-266	—

PURGE DATA:

Date: NA								
Method: NA								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type: —								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-187
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: NA
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/8/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1350	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	—	~	—	~	—	~	—	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	NO

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

NO SAMPLE
TR CLAY ON EXPOSED SCREEN.

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-207
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/8/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1540	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.53	.436	11.79	179	5.86	27	—

PURGE DATA:

Date: NA								
Method: —								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conte

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 227
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 038427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/9/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 0925	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	5.57	.271	11.16	>1000	3.85	-469	—

PURGE DATA:

Date: NA								
Method: —								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	S. Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 247
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/9/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1115								
Method: Hydropunch	DKGRAY	5.46	.238	13.62	>1000	2.30	-483	-

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJConti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-267
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/9/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1315	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	5.55	.063	15.45	>1000	6.17	-36	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conti

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 287
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028427
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/10/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1100	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.65	.203	13.97	217	4.91	-116	-

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJConti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-307
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/10/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1305	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.42	.116	16.56	76.7	4.15	-63	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 327
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/10/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1500	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	DK GRY	—	—	—	>1000	—	—	—

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 347
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028425
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/11/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 0940	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.90	.131	9.34	368	5.86	-125	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 367
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/11/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1130								
Method: Hydropunch	GRAY	6.20	.121	15.22	922	3.73	-255	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	(2)- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 387
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/11/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1345								
Method: Hydropunch	LT GRAY	5.72	.142	9.85	215	7.90	-64	—

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

407

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-~~367~~ SJC
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/11/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1530								
Method: Hydropunch	GRAY	5.56	.068	16.81	245	3.92	-88	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJConti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-427
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028428
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/12/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1000	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	6.02	.062	12.54	1479	6.33	-186	—

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 447
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/15/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1130	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	4.27	.262	15.59	204	5.65	-1	—

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

ALSO TOOK 2 VOA'S FOR CHEMTECH

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 467
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/15/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1310								
Method: Hydropunch	GRAY	5.76	—	—	>1000	—	—	

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ✓

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 487
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/15/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time:	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.66	.079	16.45	193	4.28	-224	—

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

ALSO TOOK SAMPLE FOR CHEMTECH

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJConti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 507
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/16/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 0945	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	5>6	—	—	>1000	—	—	

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	(2)-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ✓

POSSIBLY GW MIXED W/ DRILL MUD.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJConte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-527
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/16/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1200								
Method: Hydropunch	LT GRAY	5.72	.050	15.25	276	6.05	-34	-

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

SENT TO CHEM TECH ALSO.
SJC

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 547
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/16/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1410	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT. GRAY (WHITISH)	6	—	—	—	—	—	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☑

Used pH paper instead of water quality meter
Check box if used pH paper. ☑

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 567
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/16/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1600	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	6.34	.071	14.43	>1000	2.13	-556	—

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 5837
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 038429
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/17/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1015	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	6.86	.202	14.95	>1000	4.13	-585	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 607
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/17/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1220	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	LT GRAY	5.96	.075	16.68	348	4.71	-108	~

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 627
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/17/10 Time: 1410 Method: Hydropunch	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	ORP mV	Other NA
	GRAY	5.76	—	—	>1000	—	—	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☑

Used pH paper instead of water quality meter
Check box if used pH paper. ☑

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJConte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-647
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/17/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1600								
Method: Hydropunch	LT GRAY	6.01	.054	15.62	505	4.87	-196	—

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	S. Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-667
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/18/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1030	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	6.87	286	13.86	>1000	3.29	-566	—

PURGE DATA:

Date: NA								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conti

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 687
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/18/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1230								
Method: Hydropunch	GRAY BRN	5-6	—	—	—	—	—	—

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	~~3~~ 1 - 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJConti

GROUNDWATER SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW- 707
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 11/18/10	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1440	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Method: Hydropunch	GRAY	6	—	—	—	—	—	—

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

2 VIALS ONLY

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ✓

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-727
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028430
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/19/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1045								
Method: Hydropunch	LT BRN	5-6	—	—	353	—	—	—

PURGE DATA:

Date: NA	
Method:	
Monitor Reading (ppm):	
Well Casing Diameter & Material	
Type:	
Total Well Depth (TD):	
Static Water Level (WL):	
One Casing Volume(gal/L):	
Start Purge (hrs):	
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ✓

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-747
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028432
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/22/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1110								
Method: Hydropunch	TAN WHITE	6.35	.135	17.37	>1000	6.35	82	/

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJConte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-787
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028432
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/22/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1330								
Method: Hydropunch	TAN	5-6	—	—	—	—	—	—

PURGE DATA: BRN

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2 40ml Glass Vials	✓
		1	
		ONLY 1 VIAL	

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐ ✓

Used pH paper instead of water quality meter
Check box if used pH paper. ☐ ✓

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622 PRE-DESIGN FIELD INVES

Sample ID No.: BP-VPB127-GW-807
Sample Location: VPB-127
Sampled By: SJC

[ ] Domestic Well Data
[ ] Monitoring Well Data
[X] Other Well Type: Vertical Profile Boring
[ ] QA Sample Type:

C.O.C. No.: 028432
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 11/22/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1515								
Method: Hydropunch	GRAY	6.57	.352	15.59	>1000	3.14	-271	-

PURGE DATA:

Date:								
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	2- 40ml Glass Vials	V

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. ☐

Used pH paper instead of water quality meter
Check box if used pH paper. ☐

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	SJ Conte

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB 127
QA Sample Type:

Sample ID No.: BP-VPB-TB-110410
Sampled By: SJC
C.O.C. Number: 028426

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:	WATER SOURCE:
Date: 11/4/10	[X] Laboratory Prepared
Time: 0830	[] Purchased
Method: NA	[] Other
	[] Tap
	[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):	RINSATE INFORMATION (If Applicable):
Product Name:	Media Type:
Supplier:	Equipment Used:
Manufacturer:	Equipment Type:
Order Number:	[] Dedicated
Lot Number:	[] Reusable
Expiration Date:	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	(2)-40 ml GLASS VIALS	(YES) / NO

OBSERVATIONS / NOTES:

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB-127
Sample ID No.: BP-VPB-TB-110810
Sampled By: SJC
C.O.C. Number: 028427

QA Sample Type:

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:

Date: 11/08/10
Time: 1025
Method: NA

WATER SOURCE:

[X] Laboratory Prepared
[] Purchased
[] Other
[] Tap
[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):

Product Name:
Supplier:
Manufacturer:
Order Number:
Lot Number:
Expiration Date:

RINSATE INFORMATION (If Applicable):

Media Type:
Equipment Used:
Equipment Type:
[] Dedicated
[] Reusable

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	(2-40 ml GLASS VIALS	(YES / NO

OBSERVATIONS / NOTES:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB-127
Sample ID No.: BP-VPB-TB-111010
Sampled By: SJC
C.O.C. Number: 028428

QA Sample Type:

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:

Date: 11/10/10
Time: 1230
Method: NA

WATER SOURCE:

[X] Laboratory Prepared
[] Purchased
[] Other
[] Tap
[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):

Product Name:
Supplier:
Manufacturer:
Order Number:
Lot Number:
Expiration Date:

RINSATE INFORMATION (If Applicable):

Media Type:
Equipment Used:
Equipment Type:
[] Dedicated
[] Reusable

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	(2)-40 ml GLASS VIALS	(YES) NO

OBSERVATIONS / NOTES:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB-127
Sample ID No.: BP-VPB-TB-111510
Sampled By: SJC
C.O.C. Number: 028429

QA Sample Type:

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:

Date: 11/15/10
Time: 0930
Method: —

WATER SOURCE:

[X] Laboratory Prepared
[] Purchased
[] Other
[] Tap
[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):

Product Name:
Supplier:
Manufacturer:
Order Number:
Lot Number:
Expiration Date:

RINSATE INFORMATION (If Applicable):

Media Type:
Equipment Used:
Equipment Type:
[] Dedicated
[] Reusable

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	2-40 ml GLASS VIALS	YES / NO

OBSERVATIONS / NOTES:

Signature(s): SJConte

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB-127
QA Sample Type:

Sample ID No.: BP-VPB-TB-111710
Sampled By: SJC
C.O.C. Number: 028430

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:

Date: 11/17/10
Time: 1230
Method: NA

WATER SOURCE:

[X] Laboratory Prepared
[] Purchased
[] Other
[] Tap
[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):

Product Name:
Supplier:
Manufacturer:
Order Number:
Lot Number:
Expiration Date:

RINSATE INFORMATION (If Applicable):

Media Type:
Equipment Used:
Equipment Type:
[] Dedicated
[] Reusable

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	(2-40 ml GLASS VIALS)	(YES) / NO

OBSERVATIONS / NOTES:

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

QA SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE
Project Number: 112G00622
Sample Location: VPB-127
Sample ID No.: BP-VPB-TB-112210
Sampled By: SJC
C.O.C. Number: 028432
QA Sample Type:

[X] Trip Blank
[] Source Water Blank
[] Rinsate Blank
[] Other Blank

SAMPLING DATA:

Date: 11/22/10
Time: 1030
Method: NA

WATER SOURCE:

[X] Laboratory Prepared
[] Purchased
[] Other
[] Tap
[] Fire Hydrant

PURCHASED WATER INFORMATION (If Applicable as Source or Rinsate Water):

Product Name:
Supplier:
Manufacturer:
Order Number:
Lot Number:
Expiration Date:

RINSATE INFORMATION (If Applicable):

Media Type:
Equipment Used:
Equipment Type:
[] Dedicated
[] Reusable

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	Cool 4°C /HCL	(2)-40 ml GLASS VIALS	(YES) / NO

OBSERVATIONS / NOTES:

Signature(s):

SJ Conti

Section 4

VPB 127 Analytical Data Sheets

-Ecotest
-Chemtech

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.02 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/04/10 RECEIVED:11/05/10
TIME COL'D:1520
MATRIX:GW SAMPLE: BP-VPB127-GW-057
Top Depth = 56ft, Bottom Depth = 57ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		110510	1	EPA8260
Chloromethane	ug/L	< 1		110510	1	EPA8260
Vinyl Chloride	ug/L	< 1		110510	1	EPA8260
Bromomethane	ug/L	< 1		110510	1	EPA8260
Chloroethane	ug/L	< 1		110510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		110510	1	EPA8260
Methylene Chloride	ug/L	< 1		110510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		110510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
Chloroform	ug/L	< 1		110510	1	EPA8260
111 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		110510	1	EPA8260
Benzene	ug/L	< 1		110510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		110510	1	EPA8260
Trichloroethene	ug/L	< 1		110510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		110510	1	EPA8260
Bromodichloromethane	ug/L	< 1		110510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
Toluene	ug/L	< 1		110510	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
112 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Tetrachloroethene	ug/L	< 1		110510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.02 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/04/10 RECEIVED:11/05/10
TIME COL'D:1520
MATRIX:GW SAMPLE: BP-VPB127-GW-057
Top Depth = 56ft, Bottom Depth = 57ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		110510	1	EPA8260
Chlorobenzene	ug/L	< 1		110510	1	EPA8260
Ethyl Benzene	ug/L	< 1		110510	1	EPA8260
Xylene	ug/L	< 3		110510	3	EPA8260
Styrene	ug/L	0.11	J	110510	1	EPA8260
Bromoform	ug/L	< 1		110510	1	EPA8260
Isopropylbenzene	ug/L	< 1		110510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		110510	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
Dibromochloropropane	ug/L	< 1		110510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		110510	1	EPA8260
Freon 113	ug/L	< 1		110510	1	EPA8260
Acetone	ug/L	13	B	110510	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.5	J	110510	10	EPA8260
Methylisobutylketone	ug/L	< 10		110510	10	EPA8260
Carbon disulfide	ug/L	< 1		110510	1	EPA8260
Methyl Acetate	ug/L	< 1		110510	1	EPA8260
Cyclohexane	ug/L	< 1		110510	1	EPA8260
2-Hexanone	ug/L	< 10		110510	10	EPA8260
Methylcyclohexane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS: J: indicates value estimated at level below LRL and above MDL.
B: 7 ug/L of acetone detected in blank.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.03 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/05/10 RECEIVED:11/05/10
TIME COL'D:0945
MATRIX:GW SAMPLE: BP-VPB127-GW-097
Top Depth = 96ft, Bottom Depth = 97ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		110510	1	EPA8260
Chloromethane	ug/L	< 1		110510	1	EPA8260
Vinyl Chloride	ug/L	< 1		110510	1	EPA8260
Bromomethane	ug/L	< 1		110510	1	EPA8260
Chloroethane	ug/L	< 1		110510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		110510	1	EPA8260
Methylene Chloride	ug/L	< 1		110510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		110510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
Chloroform	ug/L	0.2	B,J	110510	1	EPA8260
111 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		110510	1	EPA8260
Benzene	ug/L	< 1		110510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		110510	1	EPA8260
Trichloroethene	ug/L	0.6	J	110510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		110510	1	EPA8260
Bromodichloromethane	ug/L	< 1		110510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
Toluene	ug/L	< 1		110510	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
112 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Tetrachloroethene	ug/L	< 1		110510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS: B: 0.12 ug/L of chloroform was detected in blank.
J: Indicates value estimated below LRL and above MDL.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.03 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/05/10 RECEIVED:11/05/10
TIME COL'D:0945
MATRIX:GW SAMPLE: BP-VPB127-GW-097
Top Depth = 96ft, Bottom Depth = 97ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		110510	1	EPA8260
Chlorobenzene	ug/L	< 1		110510	1	EPA8260
Ethyl Benzene	ug/L	< 1		110510	1	EPA8260
Xylene	ug/L	< 3		110510	3	EPA8260
Styrene	ug/L	< 1		110510	1	EPA8260
Bromoform	ug/L	< 1		110510	1	EPA8260
Isopropylbenzene	ug/L	< 1		110510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		110510	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
Dibromochloropropane	ug/L	< 1		110510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		110510	1	EPA8260
Freon 113	ug/L	< 1		110510	1	EPA8260
Acetone	ug/L	9	B	110510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		110510	10	EPA8260
Methylisobutylketone	ug/L	< 10		110510	10	EPA8260
Carbon disulfide	ug/L	< 1		110510	1	EPA8260
Methyl Acetate	ug/L	< 1		110510	1	EPA8260
Cyclohexane	ug/L	< 1		110510	1	EPA8260
2-Hexanone	ug/L	< 10		110510	10	EPA8260
Methylcyclohexane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS: B: 7ug/L of acetone was detected in the blank.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.02 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1030
MATRIX:GW SAMPLE: BP-VPB127-GW-153
Top Depth = 152ft, Bottom Depth = 153ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	4.5		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	1.5		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	0.4	J	111110	1	EPA8260
111 Trichloroethane	ug/L	5.2		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	0.14	J	111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	10		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29670 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.02 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1030
MATRIX:GW SAMPLE: BP-VPB127-GW-153
Top Depth = 152ft, Bottom Depth = 153ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	0.4	J	111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	18		111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	2.9	J	111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	< 1		111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29671 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.03 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1540
MATRIX:GW SAMPLE: BP-VPB127-GW-207
Top Depth = 206ft, Bottom Depth = 207ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	2.9		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	3.3		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	0.5	J	111110	1	EPA8260
111 Trichloroethane	ug/L	3.9		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	4.6		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29672 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.03 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1540
MATRIX:GW SAMPLE: BP-VPB127-GW-207
Top Depth = 206ft, Bottom Depth = 207ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	0.2	J	111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	2.1	J	111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	< 1		111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.04 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:0925
MATRIX:GW SAMPLE: BP-VPB127-GW-227
Top Depth = 226ft, Bottom Depth = 227ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	0.2	J	111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	1.2		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	< 1		111110	1	EPA8260
111 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	0.15	J	111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.04 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:0925
MATRIX:GW SAMPLE: BP-VPB127-GW-227
Top Depth = 226ft, Bottom Depth = 227ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	6.1		111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	1	J	111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	0.4	J	111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29675 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.05 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:1115
MATRIX:GW SAMPLE: BP-VPB127-GW-247
Top Depth = 246ft, Bottom Depth = 247ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	< 1		111110	1	EPA8260
111 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.05 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:1115
MATRIX:GW SAMPLE: BP-VPB127-GW-247
Top Depth = 246ft, Bottom Depth = 247ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	3.3	J	111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	0.5	J	111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29677 NYSDOH ID # 10972O

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.06 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:1315
MATRIX:GW SAMPLE: BP-VPB127-GW-267
Top Depth = 266ft, Bottom Depth = 267ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	< 1		111110	1	EPA8260
111 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.06 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/09/10 RECEIVED:11/10/10
TIME COL'D:1315
MATRIX:GW SAMPLE: BP-VPB127-GW-267
Top Depth = 266ft, Bottom Depth = 267ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	4.1		111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	0.8	J	111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	0.6	J	111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.07 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/10/10
TIME COL'D:1100
MATRIX:GW SAMPLE: BP-VPB127-GW-287
Top Depth = 286ft, Bottom Depth = 287ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	< 1		111110	1	EPA8260
111 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29680 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.07 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/10/10
TIME COL'D:1100
MATRIX:GW SAMPLE: BP-VPB127-GW-287
Top Depth = 286ft, Bottom Depth = 287ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	6.1		111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	0.9	J	111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	0.3	J	111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29681 NYSDOH ID # 10920

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.02 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1305
MATRIX:GW SAMPLE: BP-VPB127-GW-307
Top Depth = 306ft, Bottom Depth = 307ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.02 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1305
MATRIX:GW SAMPLE: BP-VPB127-GW-307
Top Depth = 306ft, Bottom Depth = 307ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	< 10		111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.03 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1500
MATRIX:GW SAMPLE: BP-VPB127-GW-327
Top Depth = 326ft, Bottom Depth = 327ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	0.13	J	111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.03 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1500
MATRIX:GW SAMPLE: BP-VPB127-GW-327
Top Depth = 326ft, Bottom Depth = 327ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	9.4		111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.2	J	111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29979 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.04 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:0940
MATRIX:GW SAMPLE: BP-VPB127-GW-347
Top Depth = 346ft, Bottom Depth = 347ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.04 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:0940
MATRIX:GW SAMPLE: BP-VPB127-GW-347
Top Depth = 346ft, Bottom Depth = 347ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	3.1	J	111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.05 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1130
MATRIX:GW SAMPLE: BP-VPB127-GW-367
Top Depth = 366ft, Bottom Depth = 367ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.05 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1130
MATRIX:GW SAMPLE: BP-VPB127-GW-367
Top Depth = 366ft, Bottom Depth = 367ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	2	J	111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.06 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1345
MATRIX:GW SAMPLE: BP-VPB127-GW-387
Top Depth = 386ft, Bottom Depth = 387ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. ∘ N. BABYLON, N.Y. 11703 ∘ (631) 422-5777∘ FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.06 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1345
MATRIX:GW SAMPLE: BP-VPB127-GW-387
Top Depth = 386ft, Bottom Depth = 387ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	1.9	J	111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29985 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.07 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1530
MATRIX:GW SAMPLE: BP-VPB127-GW-407
Top Depth = 406ft, Bottom Depth = 407ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	< 1		111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29986 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.07 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/11/10 RECEIVED:11/12/10
TIME COL'D:1530
MATRIX:GW SAMPLE: BP-VPB127-GW-407
Top Depth = 406ft, Bottom Depth = 407ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	< 10		111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.08 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/12/10 RECEIVED:11/12/10
TIME COL'D:1000
MATRIX:GW SAMPLE: BP-VPB127-GW-427
Top Depth = 426ft, Bottom Depth = 427ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111310	1	EPA8260
Chloromethane	ug/L	< 1		111310	1	EPA8260
Vinyl Chloride	ug/L	< 1		111310	1	EPA8260
Bromomethane	ug/L	< 1		111310	1	EPA8260
Chloroethane	ug/L	< 1		111310	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111310	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111310	1	EPA8260
Methylene Chloride	ug/L	< 1		111310	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111310	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111310	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111310	1	EPA8260
Chloroform	ug/L	< 1		111310	1	EPA8260
111 Trichloroethane	ug/L	< 1		111310	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111310	1	EPA8260
Benzene	ug/L	< 1		111310	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111310	1	EPA8260
Trichloroethene	ug/L	< 1		111310	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111310	1	EPA8260
Bromodichloromethane	ug/L	< 1		111310	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111310	1	EPA8260
Toluene	ug/L	< 1		111310	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111310	1	EPA8260
112 Trichloroethane	ug/L	< 1		111310	1	EPA8260
Tetrachloroethene	ug/L	< 1		111310	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111310	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29988 NYSDOH ID # 10320 Page 1 of 2

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.08 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/12/10 RECEIVED:11/12/10
TIME COL'D:1000
MATRIX:GW SAMPLE: BP-VPB127-GW-427
Top Depth = 426ft, Bottom Depth = 427ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111310	1	EPA8260
Chlorobenzene	ug/L	< 1		111310	1	EPA8260
Ethyl Benzene	ug/L	< 1		111310	1	EPA8260
Xylene	ug/L	< 3		111310	3	EPA8260
Styrene	ug/L	< 1		111310	1	EPA8260
Bromoform	ug/L	< 1		111310	1	EPA8260
Isopropylbenzene	ug/L	< 1		111310	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111310	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111310	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111310	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111310	1	EPA8260
Dibromochloropropane	ug/L	< 1		111310	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111310	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111310	1	EPA8260
Freon 113	ug/L	< 1		111310	1	EPA8260
Acetone	ug/L	2.5	J	111310	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111310	10	EPA8260
Methylisobutylketone	ug/L	< 10		111310	10	EPA8260
Carbon disulfide	ug/L	< 1		111310	1	EPA8260
Methyl Acetate	ug/L	< 1		111310	1	EPA8260
Cyclohexane	ug/L	< 1		111310	1	EPA8260
2-Hexanone	ug/L	< 1		111310	10	EPA8260
Methylcyclohexane	ug/L	< 1		111310	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29989 NYSDOH ID # 10320 115 Page 2 of 2

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.02 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1130
MATRIX:GW SAMPLE: BP-VPB127-GW-447
Top Depth = 446ft, Bottom Depth = 447ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.02 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1130
MATRIX:GW SAMPLE: BP-VPB127-GW-447
Top Depth = 446ft, Bottom Depth = 447ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	3.2	J	111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	0.8	J	111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.03 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1310
MATRIX:GW SAMPLE: BP-VPB127-GW-467
Top Depth = 466ft, Bottom Depth = 467ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	0.16	J	111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	0.12	J	111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.03 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1310
MATRIX:GW SAMPLE: BP-VPB127-GW-467
Top Depth = 466ft, Bottom Depth = 467ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	0.11	J	111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	12		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.6	J	111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.04 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1500
MATRIX:GW SAMPLE: BP-VPB127-GW-487
Top Depth = 486ft, Bottom Depth = 487ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	0.1	J	111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30350 NYSDOH ID # 10920

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.04 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:1500
MATRIX:GW SAMPLE: BP-VPB127-GW-487
Top Depth = 486ft, Bottom Depth = 487ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	< 10		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.05 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:0945
MATRIX:GW SAMPLE: BP-VPB127-GW-507
Top Depth = 506ft, Bottom Depth = 507ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.05 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:0945
MATRIX:GW SAMPLE: BP-VPB127-GW-507
Top Depth = 506ft, Bottom Depth = 507ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	11		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.1	J	111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.06 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1200
MATRIX:GW SAMPLE: BP-VPB127-GW-527
Top Depth = 526ft, Bottom Depth = 527ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30354 NYSDOH ID # 10420

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.06 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1200
MATRIX:GW SAMPLE: BP-VPB127-GW-527
Top Depth = 526ft, Bottom Depth = 527ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	< 10		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.07 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1410
MATRIX:GW SAMPLE: BP-VPB127-GW-547
Top Depth = 546ft, Bottom Depth = 547ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	0.11	J	111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30356 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.07 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1410
MATRIX:GW SAMPLE: BP-VPB127-GW-547
Top Depth = 546ft, Bottom Depth = 547ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	13		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.9	J	111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.08 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1600
MATRIX:GW SAMPLE: BP-VPB127-GW-567
Top Depth = 566ft, Bottom Depth = 567ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	0.1	J	111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.08 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/16/10 RECEIVED:11/17/10
TIME COL'D:1600
MATRIX:GW SAMPLE: BP-VPB127-GW-567
Top Depth = 566ft, Bottom Depth = 567ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	5.6		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30359 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.09 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/17/10
TIME COL'D:1015
MATRIX:GW SAMPLE: BP-VPB127-GW-587
Top Depth = 586ft, Bottom Depth = 587ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	< 1		111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30360 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.09 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/17/10
TIME COL'D:1015
MATRIX:GW SAMPLE: BP-VPB127-GW-587
Top Depth = 586ft, Bottom Depth = 587ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	9.2		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.1	J	111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30361 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.02 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1220
MATRIX:GW SAMPLE: BP-VPB127-GW-607
Top Depth = 606ft, Bottom Depth = 607ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.02 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1220
MATRIX:GW SAMPLE: BP-VPB127-GW-607
Top Depth = 606ft, Bottom Depth = 607ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	< 10		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30782 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.03 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1410
MATRIX:GW SAMPLE: BP-VPB127-GW-627
Top Depth = 626ft, Bottom Depth = 627ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	0.16	J	112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.03 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1410
MATRIX:GW SAMPLE: BP-VPB127-GW-627
Top Depth = 626ft, Bottom Depth = 627ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	0.1	J	112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	17		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	3.6		112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	1.1	J	112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30784 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.04 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1600
MATRIX:GW SAMPLE: BP-VPB127-GW-647
Top Depth = 646ft, Bottom Depth = 647ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.04 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1600
MATRIX:GW SAMPLE: BP-VPB127-GW-647
Top Depth = 646ft, Bottom Depth = 647ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	< 10		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30786 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.05 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1030
MATRIX:GW SAMPLE: BP-VPB127-GW-667
Top Depth = 666ft, Bottom Depth = 667ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	0.12	J	112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.05 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1030
MATRIX:GW SAMPLE: BP-VPB127-GW-667
Top Depth = 666ft, Bottom Depth = 667ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	12		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	1.4	J	112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.06 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1230
MATRIX:GW SAMPLE: BP-VPB127-GW-687
Top Depth = 686ft, Bottom Depth = 687ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	0.14	J	112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.06 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1230
MATRIX:GW SAMPLE: BP-VPB127-GW-687
Top Depth = 686ft, Bottom Depth = 687ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	14		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	2.1	J	112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30790 NYSDOH ID # 10320 Page 2 of 2

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.07 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1440
MATRIX:GW SAMPLE: BP-VPB127-GW-707
Top Depth = 706ft, Bottom Depth = 707ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	0.13	J	112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.07 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/18/10 RECEIVED:11/19/10
TIME COL'D:1440
MATRIX:GW SAMPLE: BP-VPB127-GW-707
Top Depth = 706ft, Bottom Depth = 707ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	16		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	2.5	J	112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.08 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/19/10 RECEIVED:11/19/10
TIME COL'D:1045
MATRIX:GW SAMPLE: BP-VPB127-GW-727
Top Depth = 726ft, Bottom Depth = 727ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	< 1		112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	< 1		112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR_____

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.08 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/19/10 RECEIVED:11/19/10
TIME COL'D:1045
MATRIX:GW SAMPLE: BP-VPB127-GW-727
Top Depth = 726ft, Bottom Depth = 727ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	4.4		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	0.9	J	112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30794 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.02 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1110
MATRIX:GW SAMPLE: BP-VPB127-GW-747
Top Depth = 746ft, Bottom Depth = 747ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112410	1	EPA8260
Chloromethane	ug/L	< 1		112410	1	EPA8260
Vinyl Chloride	ug/L	< 1		112410	1	EPA8260
Bromomethane	ug/L	< 1		112410	1	EPA8260
Chloroethane	ug/L	< 1		112410	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112410	1	EPA8260
Methylene Chloride	ug/L	< 1		112410	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112410	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
Chloroform	ug/L	< 1		112410	1	EPA8260
111 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112410	1	EPA8260
Benzene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112410	1	EPA8260
Trichloroethene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112410	1	EPA8260
Bromodichloromethane	ug/L	< 1		112410	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
Toluene	ug/L	< 1		112410	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
112 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Tetrachloroethene	ug/L	< 1		112410	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.02 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1110
MATRIX:GW SAMPLE: BP-VPB127-GW-747
Top Depth = 746ft, Bottom Depth = 747ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112410	1	EPA8260
Chlorobenzene	ug/L	< 1		112410	1	EPA8260
Ethyl Benzene	ug/L	< 1		112410	1	EPA8260
Xylene	ug/L	< 3		112410	3	EPA8260
Styrene	ug/L	< 1		112410	1	EPA8260
Bromoform	ug/L	< 1		112410	1	EPA8260
Isopropylbenzene	ug/L	< 1		112410	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112410	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
Dibromochloropropane	ug/L	< 1		112410	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112410	1	EPA8260
Freon 113	ug/L	< 1		112410	1	EPA8260
Acetone	ug/L	5.4		112410	10	EPA8260
Methyl Ethyl Ketone	ug/L	0.9	J	112410	10	EPA8260
Methylisobutylketone	ug/L	< 10		112410	10	EPA8260
Carbon disulfide	ug/L	< 1		112410	1	EPA8260
Methyl Acetate	ug/L	< 1		112410	1	EPA8260
Cyclohexane	ug/L	< 1		112410	1	EPA8260
2-Hexanone	ug/L	< 10		112410	10	EPA8260
Methylcyclohexane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.03 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1330
MATRIX:GW SAMPLE: BP-VPB127-GW-787
Top Depth = 786ft, Bottom Depth = 787ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112410	1	EPA8260
Chloromethane	ug/L	0.29	J	112410	1	EPA8260
Vinyl Chloride	ug/L	< 1		112410	1	EPA8260
Bromomethane	ug/L	< 1		112410	1	EPA8260
Chloroethane	ug/L	< 1		112410	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112410	1	EPA8260
Methylene Chloride	ug/L	< 1		112410	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112410	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
Chloroform	ug/L	< 1		112410	1	EPA8260
111 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112410	1	EPA8260
Benzene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112410	1	EPA8260
Trichloroethene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112410	1	EPA8260
Bromodichloromethane	ug/L	< 1		112410	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
Toluene	ug/L	< 1		112410	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
112 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Tetrachloroethene	ug/L	< 1		112410	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.03 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1330
MATRIX:GW SAMPLE: BP-VPB127-GW-787
Top Depth = 786ft, Bottom Depth = 787ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112410	1	EPA8260
Chlorobenzene	ug/L	< 1		112410	1	EPA8260
Ethyl Benzene	ug/L	< 1		112410	1	EPA8260
Xylene	ug/L	< 3		112410	3	EPA8260
Styrene	ug/L	< 1		112410	1	EPA8260
Bromoform	ug/L	< 1		112410	1	EPA8260
Isopropylbenzene	ug/L	< 1		112410	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112410	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
Dibromochloropropane	ug/L	< 1		112410	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112410	1	EPA8260
Freon 113	ug/L	< 1		112410	1	EPA8260
Acetone	ug/L	30		112410	10	EPA8260
Methyl Ethyl Ketone	ug/L	3.3	J	112410	10	EPA8260
Methylisobutylketone	ug/L	0.86	J	112410	10	EPA8260
Carbon disulfide	ug/L	0.7		112410	1	EPA8260
Methyl Acetate	ug/L	< 1		112410	1	EPA8260
Cyclohexane	ug/L	< 1		112410	1	EPA8260
2-Hexanone	ug/L	< 10		112410	10	EPA8260
Methylcyclohexane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31037 NYSDOH ID # 10320 Page 2 of 2

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.04 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1515
MATRIX:GW SAMPLE: BP-VPB127-GW-807
Top Depth = 806ft, Bottom Depth = 807ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112410	1	EPA8260
Chloromethane	ug/L	< 1		112410	1	EPA8260
Vinyl Chloride	ug/L	< 1		112410	1	EPA8260
Bromomethane	ug/L	< 1		112410	1	EPA8260
Chloroethane	ug/L	< 1		112410	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112410	1	EPA8260
Methylene Chloride	ug/L	< 1		112410	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112410	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
Chloroform	ug/L	< 1		112410	1	EPA8260
111 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112410	1	EPA8260
Benzene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112410	1	EPA8260
Trichloroethene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112410	1	EPA8260
Bromodichloromethane	ug/L	< 1		112410	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
Toluene	ug/L	< 1		112410	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
112 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Tetrachloroethene	ug/L	< 1		112410	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.04 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1515
MATRIX:GW SAMPLE: BP-VPB127-GW-807
Top Depth = 806ft, Bottom Depth = 807ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112410	1	EPA8260
Chlorobenzene	ug/L	< 1		112410	1	EPA8260
Ethyl Benzene	ug/L	< 1		112410	1	EPA8260
Xylene	ug/L	< 3		112410	3	EPA8260
Styrene	ug/L	< 1		112410	1	EPA8260
Bromoform	ug/L	< 1		112410	1	EPA8260
Isopropylbenzene	ug/L	< 1		112410	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112410	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
Dibromochloropropane	ug/L	< 1		112410	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112410	1	EPA8260
Freon 113	ug/L	< 1		112410	1	EPA8260
Acetone	ug/L	7.7		112410	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		112410	10	EPA8260
Methylisobutylketone	ug/L	< 10		112410	10	EPA8260
Carbon disulfide	ug/L	< 1		112410	1	EPA8260
Methyl Acetate	ug/L	< 1		112410	1	EPA8260
Cyclohexane	ug/L	< 1		112410	1	EPA8260
2-Hexanone	ug/L	< 10		112410	10	EPA8260
Methylcyclohexane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.01 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/04/10 RECEIVED:11/05/10
TIME COL'D:0830
MATRIX:QC SAMPLE: BP-VPB-TB-110410
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		110510	1	EPA8260
Chloromethane	ug/L	< 1		110510	1	EPA8260
Vinyl Chloride	ug/L	< 1		110510	1	EPA8260
Bromomethane	ug/L	< 1		110510	1	EPA8260
Chloroethane	ug/L	< 1		110510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		110510	1	EPA8260
Methylene Chloride	ug/L	< 1		110510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		110510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		110510	1	EPA8260
Chloroform	ug/L	< 1		110510	1	EPA8260
111 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		110510	1	EPA8260
Benzene	ug/L	< 1		110510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		110510	1	EPA8260
Trichloroethene	ug/L	< 1		110510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		110510	1	EPA8260
Bromodichloromethane	ug/L	< 1		110510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
Toluene	ug/L	< 1		110510	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		110510	1	EPA8260
112 Trichloroethane	ug/L	< 1		110510	1	EPA8260
Tetrachloroethene	ug/L	< 1		110510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105150.01 11/08/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/04/10 RECEIVED:11/05/10
TIME COL'D:0830
MATRIX:QC SAMPLE: BP-VPB-TB-110410
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		110510	1	EPA8260
Chlorobenzene	ug/L	< 1		110510	1	EPA8260
Ethyl Benzene	ug/L	< 1		110510	1	EPA8260
Xylene	ug/L	< 3		110510	3	EPA8260
Styrene	ug/L	< 1		110510	1	EPA8260
Bromoform	ug/L	< 1		110510	1	EPA8260
Isopropylbenzene	ug/L	< 1		110510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		110510	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
Dibromochloropropane	ug/L	< 1		110510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		110510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		110510	1	EPA8260
Freon 113	ug/L	< 1		110510	1	EPA8260
Acetone	ug/L	7	B	110510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		110510	10	EPA8260
Methylisobutylketone	ug/L	< 10		110510	10	EPA8260
Carbon disulfide	ug/L	< 1		110510	1	EPA8260
Methyl Acetate	ug/L	< 1		110510	1	EPA8260
Cyclohexane	ug/L	< 1		110510	1	EPA8260
2-Hexanone	ug/L	< 10		110510	10	EPA8260
Methylcyclohexane	ug/L	< 1		110510	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS: B: 7ug/L of acetone was detected in the blank.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.01 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1025
MATRIX:QC SAMPLE: BP-VPB-TB-110810
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111110	1	EPA8260
Chloromethane	ug/L	< 1		111110	1	EPA8260
Vinyl Chloride	ug/L	< 1		111110	1	EPA8260
Bromomethane	ug/L	< 1		111110	1	EPA8260
Chloroethane	ug/L	< 1		111110	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111110	1	EPA8260
Methylene Chloride	ug/L	< 1		111110	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111110	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111110	1	EPA8260
Chloroform	ug/L	0.2	J	111110	1	EPA8260
111 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111110	1	EPA8260
Benzene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111110	1	EPA8260
Trichloroethene	ug/L	< 1		111110	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111110	1	EPA8260
Bromodichloromethane	ug/L	< 1		111110	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
Toluene	ug/L	< 1		111110	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111110	1	EPA8260
112 Trichloroethane	ug/L	< 1		111110	1	EPA8260
Tetrachloroethene	ug/L	< 1		111110	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105219.01 11/12/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: JS/EcoTest DATE COL'D:11/08/10 RECEIVED:11/10/10
TIME COL'D:1025
MATRIX:QC SAMPLE: BP-VPB-TB-110810
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111110	1	EPA8260
Chlorobenzene	ug/L	< 1		111110	1	EPA8260
Ethyl Benzene	ug/L	< 1		111110	1	EPA8260
Xylene	ug/L	< 3		111110	3	EPA8260
Styrene	ug/L	< 1		111110	1	EPA8260
Bromoform	ug/L	< 1		111110	1	EPA8260
Isopropylbenzene	ug/L	< 1		111110	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111110	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
Dibromochloropropane	ug/L	< 1		111110	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111110	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111110	1	EPA8260
Freon 113	ug/L	< 1		111110	1	EPA8260
Acetone	ug/L	< 10		111110	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111110	10	EPA8260
Methylisobutylketone	ug/L	< 10		111110	10	EPA8260
Carbon disulfide	ug/L	< 1		111110	1	EPA8260
Methyl Acetate	ug/L	< 1		111110	1	EPA8260
Cyclohexane	ug/L	< 1		111110	1	EPA8260
2-Hexanone	ug/L	< 10		111110	10	EPA8260
Methylcyclohexane	ug/L	< 1		111110	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29669 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.01 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1230
MATRIX:QC SAMPLE: BP-VPB-TB-111010
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111210	1	EPA8260
Chloromethane	ug/L	< 1		111210	1	EPA8260
Vinyl Chloride	ug/L	< 1		111210	1	EPA8260
Bromomethane	ug/L	< 1		111210	1	EPA8260
Chloroethane	ug/L	< 1		111210	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111210	1	EPA8260
Methylene Chloride	ug/L	< 1		111210	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111210	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111210	1	EPA8260
Chloroform	ug/L	0.17	J	111210	1	EPA8260
111 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111210	1	EPA8260
Benzene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111210	1	EPA8260
Trichloroethene	ug/L	< 1		111210	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111210	1	EPA8260
Bromodichloromethane	ug/L	< 1		111210	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
Toluene	ug/L	< 1		111210	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111210	1	EPA8260
112 Trichloroethane	ug/L	< 1		111210	1	EPA8260
Tetrachloroethene	ug/L	< 1		111210	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 29974 NYSDOH ID # 10320 Page 1 of 2

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105269.01 11/16/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/10/10 RECEIVED:11/12/10
TIME COL'D:1230
MATRIX:QC SAMPLE: BP-VPB-TB-111010
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111210	1	EPA8260
Chlorobenzene	ug/L	< 1		111210	1	EPA8260
Ethyl Benzene	ug/L	< 1		111210	1	EPA8260
Xylene	ug/L	< 3		111210	3	EPA8260
Styrene	ug/L	< 1		111210	1	EPA8260
Bromoform	ug/L	< 1		111210	1	EPA8260
Isopropylbenzene	ug/L	< 1		111210	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111210	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
Dibromochloropropane	ug/L	< 1		111210	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111210	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111210	1	EPA8260
Freon 113	ug/L	< 1		111210	1	EPA8260
Acetone	ug/L	< 10		111210	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111210	10	EPA8260
Methylisobutylketone	ug/L	< 10		111210	10	EPA8260
Carbon disulfide	ug/L	< 1		111210	1	EPA8260
Methyl Acetate	ug/L	< 1		111210	1	EPA8260
Cyclohexane	ug/L	< 1		111210	1	EPA8260
2-Hexanone	ug/L	< 1		111210	10	EPA8260
Methylcyclohexane	ug/L	< 1		111210	1	EPA8260

cc:Ernie Wu

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.01 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:0930
MATRIX:QC SAMPLE: BP-VPB-TB-111510
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		111710	1	EPA8260
Chloromethane	ug/L	< 1		111710	1	EPA8260
Vinyl Chloride	ug/L	< 1		111710	1	EPA8260
Bromomethane	ug/L	< 1		111710	1	EPA8260
Chloroethane	ug/L	< 1		111710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		111710	1	EPA8260
Methylene Chloride	ug/L	< 1		111710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		111710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		111710	1	EPA8260
Chloroform	ug/L	0.15	B,J	111710	1	EPA8260
111 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		111710	1	EPA8260
Benzene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		111710	1	EPA8260
Trichloroethene	ug/L	< 1		111710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		111710	1	EPA8260
Bromodichloromethane	ug/L	< 1		111710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
Toluene	ug/L	< 1		111710	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		111710	1	EPA8260
112 Trichloroethane	ug/L	< 1		111710	1	EPA8260
Tetrachloroethene	ug/L	< 1		111710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS: B- Chloroform detected in method at an estimated 0.35ug/L.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105339.01 11/18/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/15/10 RECEIVED:11/17/10
TIME COL'D:0930
MATRIX:QC SAMPLE: BP-VPB-TB-111510
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		111710	1	EPA8260
Chlorobenzene	ug/L	< 1		111710	1	EPA8260
Ethyl Benzene	ug/L	< 1		111710	1	EPA8260
Xylene	ug/L	< 3		111710	3	EPA8260
Styrene	ug/L	< 1		111710	1	EPA8260
Bromoform	ug/L	< 1		111710	1	EPA8260
Isopropylbenzene	ug/L	< 1		111710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		111710	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
Dibromochloropropane	ug/L	< 1		111710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		111710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		111710	1	EPA8260
Freon 113	ug/L	< 1		111710	1	EPA8260
Acetone	ug/L	< 10		111710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		111710	10	EPA8260
Methylisobutylketone	ug/L	< 10		111710	10	EPA8260
Carbon disulfide	ug/L	< 1		111710	1	EPA8260
Methyl Acetate	ug/L	< 1		111710	1	EPA8260
Cyclohexane	ug/L	< 1		111710	1	EPA8260
2-Hexanone	ug/L	< 10		111710	10	EPA8260
Methylcyclohexane	ug/L	< 1		111710	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 30345 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.01 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1230
MATRIX:QC SAMPLE: BP-VPB-TB-111710
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112010	1	EPA8260
Chloromethane	ug/L	< 1		112010	1	EPA8260
Vinyl Chloride	ug/L	< 1		112010	1	EPA8260
Bromomethane	ug/L	< 1		112010	1	EPA8260
Chloroethane	ug/L	< 1		112010	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112010	1	EPA8260
Methylene Chloride	ug/L	0.19	J	112010	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112010	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112010	1	EPA8260
Chloroform	ug/L	0.18	J	112010	1	EPA8260
111 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112010	1	EPA8260
Benzene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112010	1	EPA8260
Trichloroethene	ug/L	< 1		112010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112010	1	EPA8260
Bromodichloromethane	ug/L	< 1		112010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
Toluene	ug/L	< 1		112010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112010	1	EPA8260
112 Trichloroethane	ug/L	< 1		112010	1	EPA8260
Tetrachloroethene	ug/L	< 1		112010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105395.01 11/23/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/17/10 RECEIVED:11/19/10
TIME COL'D:1230
MATRIX:QC SAMPLE: BP-VPB-TB-111710
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112010	1	EPA8260
Chlorobenzene	ug/L	< 1		112010	1	EPA8260
Ethyl Benzene	ug/L	< 1		112010	1	EPA8260
Xylene	ug/L	< 3		112010	3	EPA8260
Styrene	ug/L	< 1		112010	1	EPA8260
Bromoform	ug/L	< 1		112010	1	EPA8260
Isopropylbenzene	ug/L	< 1		112010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112010	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
Dibromochloropropane	ug/L	< 1		112010	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112010	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112010	1	EPA8260
Freon 113	ug/L	< 1		112010	1	EPA8260
Acetone	ug/L	< 10		112010	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		112010	10	EPA8260
Methylisobutylketone	ug/L	< 10		112010	10	EPA8260
Carbon disulfide	ug/L	< 1		112010	1	EPA8260
Methyl Acetate	ug/L	< 1		112010	1	EPA8260
Cyclohexane	ug/L	< 1		112010	1	EPA8260
2-Hexanone	ug/L	< 10		112010	10	EPA8260
Methylcyclohexane	ug/L	< 1		112010	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.01 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1030
MATRIX:QC SAMPLE: BP-VPB-TB-112210
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		112410	1	EPA8260
Chloromethane	ug/L	< 1		112410	1	EPA8260
Vinyl Chloride	ug/L	< 1		112410	1	EPA8260
Bromomethane	ug/L	< 1		112410	1	EPA8260
Chloroethane	ug/L	< 1		112410	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		112410	1	EPA8260
Methylene Chloride	ug/L	0.19	J	112410	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		112410	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		112410	1	EPA8260
Chloroform	ug/L	< 1		112410	1	EPA8260
111 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		112410	1	EPA8260
Benzene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		112410	1	EPA8260
Trichloroethene	ug/L	< 1		112410	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		112410	1	EPA8260
Bromodichloromethane	ug/L	< 1		112410	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
Toluene	ug/L	< 1		112410	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		112410	1	EPA8260
112 Trichloroethane	ug/L	< 1		112410	1	EPA8260
Tetrachloroethene	ug/L	< 1		112410	1	EPA8260
Chlorodibromomethane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.105441.01 11/29/10

Tetra Tech NUS, Inc., Twin Oaks I
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502
ATTN: David Brayack PO#:66 LAB

SOURCE OF SAMPLE: NWIRP Bethpage, NY
SOURCE OF SAMPLE: CTO No.066
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1030
MATRIX:QC SAMPLE: BP-VPB-TB-112210
Top Depth = ft, Bottom Depth = ft, Grab

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,2 Dibromoethane	ug/L	< 1		112410	1	EPA8260
Chlorobenzene	ug/L	< 1		112410	1	EPA8260
Ethyl Benzene	ug/L	< 1		112410	1	EPA8260
Xylene	ug/L	< 3		112410	3	EPA8260
Styrene	ug/L	< 1		112410	1	EPA8260
Bromoform	ug/L	< 1		112410	1	EPA8260
Isopropylbenzene	ug/L	< 1		112410	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		112410	1	EPA8260
1,3 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
Dibromochloropropane	ug/L	< 1		112410	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		112410	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		112410	1	EPA8260
Freon 113	ug/L	< 1		112410	1	EPA8260
Acetone	ug/L	< 10		112410	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		112410	10	EPA8260
Methylisobutylketone	ug/L	< 10		112410	10	EPA8260
Carbon disulfide	ug/L	< 1		112410	1	EPA8260
Methyl Acetate	ug/L	< 1		112410	1	EPA8260
Cyclohexane	ug/L	< 1		112410	1	EPA8260
2-Hexanone	ug/L	< 10		112410	10	EPA8260
Methylcyclohexane	ug/L	< 1		112410	1	EPA8260

cc:Ernie Wu

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-447-C	SDG No.:	B4281
Lab Sample ID:	B4281-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031632.D	1		11/24/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-447-C	SDG No.:	B4281
Lab Sample ID:	B4281-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031632.D	1		11/24/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.2		66 - 150		90%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		76 - 130		100%	SPK: 50
2037-26-5	Toluene-d8	42.5		78 - 121		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		70 - 131		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	634595	4.17				
540-36-3	1,4-Difluorobenzene	840805	4.79				
3114-55-4	Chlorobenzene-d5	1026840	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	511176	9.71				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-487-C	SDG No.:	B4281
Lab Sample ID:	B4281-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031765.D	1		11/29/10	VD112910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-487-C	SDG No.:	B4281
Lab Sample ID:	B4281-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031765.D	1		11/29/10	VD112910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.6		66 - 150		95%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		76 - 130		108%	SPK: 50
2037-26-5	Toluene-d8	44.9		78 - 121		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.4		70 - 131		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	607274	4.14				
540-36-3	1,4-Difluorobenzene	783717	4.76				
3114-55-4	Chlorobenzene-d5	909356	7.76				
3855-82-1	1,4-Dichlorobenzene-d4	497979	9.69				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/16/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-507-C	SDG No.:	B4281
Lab Sample ID:	B4281-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031627.D	1		11/23/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/16/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-507-C	SDG No.:	B4281
Lab Sample ID:	B4281-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031627.D	1		11/23/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		66 - 150		102%	SPK: 50
1868-53-7	Dibromofluoromethane	51		76 - 130		102%	SPK: 50
2037-26-5	Toluene-d8	42.4		78 - 121		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		70 - 131		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	689262	4.17				
540-36-3	1,4-Difluorobenzene	968561	4.8				
3114-55-4	Chlorobenzene-d5	1164290	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	656843	9.71				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/16/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-527-C	SDG No.:	B4281
Lab Sample ID:	B4281-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031634.D	1		11/24/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/16/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB127-GW-527-C	SDG No.:	B4281
Lab Sample ID:	B4281-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031634.D	1		11/24/10	VD112310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.1		66 - 150		92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		76 - 130		97%	SPK: 50
2037-26-5	Toluene-d8	40.9		78 - 121		82%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 - 131		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	640298	4.17				
540-36-3	1,4-Difluorobenzene	904793	4.79				
3114-55-4	Chlorobenzene-d5	1037560	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	532433	9.71				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB-TB-111510-C	SDG No.:	B4281
Lab Sample ID:	B4281-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031764.D	1		11/29/10	VD112910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/10
Project:	Bethpage CTO-066	Date Received:	11/17/10
Client Sample ID:	BP-VPB-TB-111510-C	SDG No.:	B4281
Lab Sample ID:	B4281-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD031764.D	1		11/29/10	VD112910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		66 - 150		95%	SPK: 50
1868-53-7	Dibromofluoromethane	54		76 - 130		108%	SPK: 50
2037-26-5	Toluene-d8	52.8		78 - 121		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.6		70 - 131		123%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	595836	4.14				
540-36-3	1,4-Difluorobenzene	771324	4.77				
3114-55-4	Chlorobenzene-d5	913753	7.76				
3855-82-1	1,4-Dichlorobenzene-d4	494134	9.69				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Section 5

VPB 127 Chain of Custody Records

105150

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER No 928426 | PAGE 1 OF 1 | 21

PROJECT NO: 112G00622	FACILITY: BETHPAGE OU-2 CTO-066	PROJECT MANAGER D BRAYACK	PHONE NUMBER 757-461-3824	LABORATORY NAME AND CONTACT: ECO TEST /
SAMPLERS (SIGNATURE) SJ Conti		FIELD OPERATIONS LEADER S CONTI	PHONE NUMBER 412 551 2629	ADDRESS
		CARRIER/WAYBILL NUMBER PICK UP BY ECO TEST (JOSH)		CITY, STATE

STANDARD TAT ☐
RUSH TAT ☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	PRESERVATIVE USED	TYPE OF ANALYSIS VOCs (40ml)							COMMENTS
									G	4°C HCL								
11/4	0830	BP-VPB-TB-110410	TB	–	–	QC	G	2	2									← TRIP BLANK
11/4	1520	BP-VPB127-GW-057	VBB 127	56	57	GW	G	2	2									
11/5	0945	BP-VPB127-GW-097	"	96	97	GW	G	2	2									

1. RELINQUISHED BY SJ Conti	DATE 11/5/10	TIME 1130	1. RECEIVED BY ECO TEST		DATE 11/5/10	TIME 11:30
2. RELINQUISHED BY	DATE 11/5/10	TIME 1204	2. RECEIVED BY		DATE 11/5/10	TIME 12:04
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY		DATE	TIME
COMMENTS						

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

105219

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER N° 028427 | PAGE 1 OF 1 | 14

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00622	BETHPAGE OU2	D BRAYACK	757 461 3824	ECO TEST
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
SJ Conti		S CONTI	412 551 2629	
		CARRIER/WAYBILL NUMBER		CITY, STATE
		PICK UP (ECO TEST) JOSH		

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE (YEAR 2010)	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	PRESERVATIVE USED	TYPE OF ANALYSIS VOCs (40ml)	4°C	HCL	G	COMMENTS
11/8	1025	BP-VPB-TB-110810	TB	—	—	QC	G	2	2						
11/8	1030	BP-VPB127-GW-153	VPB 127	152	153	GW	G	2	2						
11/8	1540	BP-VPB127-GW-207	"	206	207	GW	G	2	2						
11/9	0925	BP-VPB127-GW-227	"	226	227	GW	G	2	2						
11/9	1115	BP-VPB127-GW-247	"	246	247	GW	G	2	2						
11/9	1315	BP-VPB127-GW-267	"	266	267	GW	G	2	2						
11/10	1100	BP-VPB127-GW-287	"	286	287	GW	G	2	2						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY SJ Conti	11/10/10	1200	1. RECEIVED BY ECO TEST	11/10/10	12:50
2. RELINQUISHED BY	11/10/10	13:55	2. RECEIVED BY	11/10/10	13:55
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS cooler Temp = 0.4°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER N° 028428 105269 | PAGE 1 OF 1

PROJECT NO: 112G00622	FACILITY: BETHPAGE OU 2	PROJECT MANAGER D. BRAYACK	PHONE NUMBER 757-461-3824
SAMPLERS (SIGNATURE) S Conti		FIELD OPERATIONS LEADER S CONTI	PHONE NUMBER 412 551 2629
		CARRIER/WAYBILL NUMBER PICK UP BY ECO TEST	

LABORATORY NAME AND CONTACT: ECO TEST
ADDRESS
CITY, STATE

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	PRESERVATIVE USED	TYPE OF ANALYSIS VOCs (40ml)								COMMENTS
									G	4°C HCL									
11/10	1230	BP-VPB-TB-111010	TB	—	—	QC	G	2	2										
11/10	1305	BP-VPB127-GW-307	VPB 127	306	307	GW	G	2	2										
11/10	1500	BP-VPB127-GW-327	"	326	327	GW	G	2	2										
11/11	0940	BP-VPB127-GW-347	"	346	347	GW	G	2	2										
11/11	1130	BP-VPB127-GW-367	"	366	367	GW	G	2	2										
11/11	1345	BP-VPB127-GW-387	"	386	387	GW	G	2	2										
11/11	1530	BP-VPB127-GW-407	"	406	407	GW	G	2	2										
11/12	1000	BP-VPB127-GW-427	"	426	427	GW	G	2	2										

1. RELINQUISHED BY S Conti	DATE 11/12/10	TIME 1230	1. RECEIVED BY ECO TEST	DATE 11/12/10	TIME 2300
2. RELINQUISHED BY	DATE 11/12/10	TIME 14:28	2. RECEIVED BY	DATE 11/12/10	TIME 14:28
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS Temp = 0-8° C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

105339

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER No. 028429 | PAGE 1 OF 1 | 13

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00622	BETHPAGE OU 2	D BRAYACK	757 461 3824	ECO TEST
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
SJ Conti		S CONTI	412 551 2629	
		CARRIER/WAYBILL NUMBER		CITY, STATE
		PICK UP (ECO TEST) JOSH		

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE (YEAR 2010)	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G): G	PRESERVATIVE USED: 4°C HCL	TYPE OF ANALYSIS: VOCs (40ml)							COMMENTS
11/15	0930	BP-VPB-TB-111510	TB	—	—	QC	G	2	2									
11/15	1130	BP-VPB127-GW-447	VPB 127	446	447	GW	G	2	2									SENT DUP TO CHEMTECH
11/15	1310	BP-VPB127-GW-467	"	466	467	GW	G	2	2									
11/15	1500	BP-VPB127-GW-487	"	486	487	GW	G	2	2									DUP TO CHEMTECH
11/16	0945	BP-VPB127-GW-507	"	506	507	GW	G	2	2									" " "
11/16	1200	BP-VPB127-GW-527	"	526	527	GW	G	2	2									" " "
11/16	1410	BP-VPB127-GW-547	"	546	547	GW	G	2	2									
11/16	1600	BP-VPB127-GW-567	"	566	567	GW	G	2	2									
11/17	1015	BP-VPB127-GW-587	"	586	587	GW	G	2	2									

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: SJ Conti	11/17/10	1230	1. RECEIVED BY: ECO TEST	11/17/10	1:12
2. RELINQUISHED BY:	DATE	TIME 14:07	2. RECEIVED BY:	DATE	TIME 14:07
3. RELINQUISHED BY:	DATE	TIME	3. RECEIVED BY:	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY) 4/02R

FORM NO. TtNUS-001

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER No 028430 105395 PAGE 1 OF 1 16

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00622	BETHPAGE OU 2	D BRAYACK	757 461 3824	ECO TEST
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
S Conti		S CONTI	412 551 2629	
		CARRIER/WAYBILL NUMBER		CITY, STATE
		PICK UP ECO TEST (JOSH)		

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	PRESERVATIVE USED	TYPE OF ANALYSIS VOCs (40ml)							COMMENTS
									G	4C HCl								
11/17	1230	BP-VPB-TB-111710	TB	—	—	QC	G	2	2									
11/17	1220	BP-VPB127-GW-607	VPB 127	606	607	GW	G	2	2									
11/17	1410	BP-VPB127-GW-627	"	626	627	GW	G	2	2									
11/17	1600	BP-VPB127-GW-647	"	646	647	GW	G	2	2									
11/18	1030	BP-VPB127-GW-667	"	666	667	GW	G	2	2									
11/18	1230	BP-VPB127-GW-687	"	686	687	GW	G	1	1									ONLY ENOUGH VOL FOR 1 VIAL.
11/18	1440	BP-VPB127-GW-707	"	706	707	GW	G	2	2									
11/19	1045	BP-VPB127-GW-727	"	726	727	GW	G	2	2									

1. RELINQUISHED BY S Conti	DATE 11/19/10	TIME 1200	1. RECEIVED BY ECO TEST	DATE 11/19/10	TIME 12:48
2. RELINQUISHED BY	DATE 11/19/10	TIME 13:48	2. RECEIVED BY	DATE 11/19/10	TIME 13:48
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY) 4/02R

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER NO 028432 105441

PAGE 1 OF 1

PROJECT NO: 112G00622	FACILITY: BETHPAGE OU 2	PROJECT MANAGER D. BRAYACK	PHONE NUMBER 757 461 3824
SAMPLERS (SIGNATURE) S Conti		FIELD OPERATIONS LEADER S CONTI	PHONE NUMBER 412 551 2629
		CARRIER/WAYBILL NUMBER PICK UP (JOSH)	

LABORATORY NAME AND CONTACT: ECO TEST

ADDRESS

CITY, STATE

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G): G	PRESERVATIVE USED: 4°C HCL	TYPE OF ANALYSIS: VOCs (40ml)							COMMENTS
11/22	1030	BP-VPB-TB-112210	TB	—	—	QC	G	2	2									
11/22	1110	BP-VPB127-GW-747	VPB 127	746	749	GW	G	2	2									
11/22	1330	BP-VPB127-GW-787	"	786	787	GW	G	1	1									
11/22	1515	BP-VPB127-GW-807	"	806	807	GW	G	2	2									

1. RELINQUISHED BY S Conti	DATE 11/23/10	TIME 1230	1. RECEIVED BY ECO TEST	DATE 11/23/10	TIME 1:16
2. RELINQUISHED BY	DATE 11/23/10	TIME 14:14	2. RECEIVED BY	DATE 11/23/10	TIME 14:14
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R

B4281

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER N° 128431 | PAGE 1 OF 1

908 728 3143

PROJECT NO: 112G00622	FACILITY: BETHPAGE 002	PROJECT MANAGER D BRAYACK	PHONE NUMBER 757 461 3824	LABORATORY NAME AND CONTACT: CHEMTECH / K. HUMMLER
SAMPLERS (SIGNATURE) SJConti	CTO 066	FIELD OPERATIONS LEADER S CONTI #	PHONE NUMBER 412 551 2629	ADDRESS 284 SHEFFIELD ST.
		CARRIER/WAYBILL NUMBER FED EX 8735 5966 0781		CITY, STATE MOUNTAINSIDE, NJ 07092

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G): G	PRESERVATIVE USED: 4°C HCL	TYPE OF ANALYSIS: VOCs (40ml)	COMMENTS
11/15	0935	BP-VPB-TB-111510-C	TB	—	—	QC	G	2	2			
11/15	1130	BP-VPB127-GW-447-C	VPB 127	446	447	GW	G	2	2			
11/15	1500	BP-VPB127-GW-487-C	"	486	487	GW	G	2	2			
11/16	0945	BP-VPB127-GW-507-C	"	506	507	GW	G	2	2			VERY TURBID.
11/16	1200	BP-VPB127-GW-527-C	"	526	527	GW	G	2	2			

1. RELINQUISHED BY SJConti	DATE 11/16/10	TIME 1500	1. RECEIVED BY FED EX	DATE	TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY Fed Ex	DATE 11/17/10	TIME 9:25	3. RECEIVED BY Ken Lure	DATE 11/17/10	TIME 9:25

COMMENTS: Temp: 4°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Section 6

VPB 127 Data Validation Package

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **D. BRAYACK** **DATE:** **JANUARY 25, 2011**

FROM: **MICHELLE L. ALLEN** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP), BETHPAGE
CTO 066
SAMPLE DELIVERY GROUP (SDG) B4281

SAMPLES: 5/Aqueous/VOC

BP-VPB-TB-111510-C	BP-VPB127-GW-447-C	BP-VPB127-GW-487-C
BP-VPB127-GW-507-C	BP-VPB127-GW-527-C	

Overview

The sample set for NWIRP Bethpage, SDG B4281 consisted of four (4) aqueous environmental samples and one (1) aqueous trip blank. All five (5) aqueous samples were analyzed for volatile organic compounds (VOC). No field duplicate sample pair was associated with this sample data group (SDG).

The samples were collected by Tetra Tech on November 15 and 16, 2010 and analyzed by Chemtech. All analyses were conducted in accordance with EPA Method SW-846 8260B analytical and reporting protocols. The data contained in this SDG was validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • GC/MS System Tuning and Performance
• Initial/continuing calibrations
* • Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Recoveries
* • Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries
* • Matrix Spike/Matrix Spike Duplicate Results
* • Compound Identification
* • Compound Quantitation
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

Volatile (VOC)

The initial and continuing calibrations for acetone performed on instrument MSVOAD had Relative Response Factors (RRFs) less than the 0.05 quality control criterion. All samples in this SDG were affected. The non-detected results reported for acetone were qualified as rejected, (UR).

The Percent Differences (%Ds) for bromomethane and dibromochloromethane exceeded the 20% quality control limit for the continuing calibration performed on instrument MSVOAD on 12/23/10 @ 18:20. Samples BP-VPB127-GW-447-C, BP-VPB127-GW-507-C, and BP-VPB127-GW-527-C were affected. Only non-detected results were reported for these compounds in the affected sample and these non-detects were qualified as estimated, (UJ).

Additional Comments

Non-detected results are reported to the Limit of Detection (LOD).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Initial and continuing calibrations for acetone had RRFs below the quality control criterion resulting in rejection of the non-detected results. Some compounds were estimated due to continuing calibration %Ds greater than their respective quality control limit. The VOC LCS/LSD had %Rs and RPDs outside the quality control limits.

Other Factors Affecting Data Quality: Non-detected results are reported to the LOD.

The data for these analyses were reviewed with reference to the SOP #HW-24 Revision #2, October 2006, USEPA Region II Hazardous Waste Support Branch Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B (August 2008), EPA Method 624, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

TetraTech NUS
Michelle L. Allen
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Data Validation Forms
4. Appendix D - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00622	NSAMPLE	BP-VPB127-GW-447-C			BP-VPB127-GW-487-C			BP-VPB127-GW-507-C			BP-VPB127-GW-527-C		
SDG: B4281	LAB_ID	B4281-02			B4281-03			B4281-04			B4281-05		
FRACTION: OV	SAMP_DATE	11/15/2010			11/15/2010			11/16/2010			11/16/2010		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	100.0			100.0			100.0			100.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-TETRACHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
2-BUTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
2-HEXANONE		2.5	U		2.5	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
ACETONE		2.5	UR	C	2.5	UR	C	2.5	UR	C	2.5	UR	C
BENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOFORM		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOMETHANE		0.5	UJ	C	0.5	U		0.5	UJ	C	0.5	UJ	C
CARBON DISULFIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	UJ	C	0.5	U		0.5	UJ	C	0.5	UJ	C
CHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROFORM		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
ETHYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-VPB-TB-111510-C
SDG: B4281	LAB_ID	B4281-01
FRACTION: OV	SAMP_DATE	11/15/2010
MEDIA: WATER	QC_TYPE	NM
	UNITS	UG/L
	PCT_SOLIDS	100.0
	DUP_OF	

PARAMETER	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.5	U	
1,1-DICHLOROETHENE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.5	U	
1,2-DIBROMOETHANE	0.5	U	
1,2-DICHLOROBENZENE	0.5	U	
1,2-DICHLOROETHANE	0.5	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.5	U	
1,4-DICHLOROBENZENE	0.5	U	
2-BUTANONE	2.5	U	
2-HEXANONE	2.5	U	
4-METHYL-2-PENTANONE	2.5	U	
ACETONE	2.5	UR	C
BENZENE	0.5	U	
BROMODICHLOROMETHANE	0.5	U	
BROMOFORM	0.5	U	
BROMOMETHANE	0.5	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.5	U	
CHLORODIBROMOMETHANE	0.5	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.5	U	
CHLOROMETHANE	0.5	U	
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.5	U	
CYCLOHEXANE	0.5	U	
DICHLORODIFLUOROMETHANE	0.5	U	
ETHYLBENZENE	0.5	U	
ISOPROPYLBENZENE	0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-VPB127-GW-447-C			BP-VPB127-GW-487-C			BP-VPB127-GW-507-C			BP-VPB127-GW-527-C		
SDG: B4281	LAB_ID	B4281-02			B4281-03			B4281-04			B4281-05		
FRACTION: OV	SAMP_DATE	11/15/2010			11/15/2010			11/16/2010			11/16/2010		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	100.0			100.0			100.0			100.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
M+P-XYLENES		1	U		1	U		1	U		1	U	
METHYL ACETATE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
O-XYLENE		0.5	U		0.5	U		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TOLUENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-VPB-TB-111510-C
SDG: B4281	LAB_ID	B4281-01
FRACTION: OV	SAMP_DATE	11/15/2010
MEDIA: WATER	QC_TYPE	NM
	UNITS	UG/L
	PCT_SOLIDS	100.0
	DUP_OF	

PARAMETER	RESULT	VQL	QLCD
M+P-XYLENES	1	U	
METHYL ACETATE	0.5	U	
METHYL CYCLOHEXANE	0.5	U	
METHYL TERT-BUTYL ETHER	0.5	U	
METHYLENE CHLORIDE	0.5	U	
O-XYLENE	0.5	U	
STYRENE	0.5	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.5	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.5	U	
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.5	U	
VINYL CHLORIDE	0.5	U	

Section 7

VPB 127 Detected Compounds Table

DETECTED COMPOUNDS FOR VERTICAL PROFILE BORING 127
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

No.	Sample ID	Depth (feet bgs)[1]	Total VOCs (µg/L)[2]	TCE	PCE	1,1 DCA	1,1 DCE	1,1,1 TCA	Chloro form	Benz.	Tol.	Ace.	Styrene	MEK	tert BME	Carbon Disulfide	Ethyl Benzene	2-Hexanone	Chloro-methane	Methyl isobutyl ketone
1	BP-VPB127-GW-057	57	ND									13 B	0.11 J	1.5 J						
2	BP-VPB127-GW-097	97	0.8	0.6 J					0.2 JB			9 B								
3	BP-VPB127-GW-153	153	21.6	10		1.5	4.5	5.2	0.4 J	0.14 J		18		2.9 J	0.4 J					
4	BP-VPB127-GW-207	207	15.2	4.6		3.3	2.9	3.9	0.5			2.1 J			0.2 J					
5	BP-VPB127-GW-227	227	1.4			1.2	0.2 J				0.15 J	6.1		1 J		0.4 J				
6	BP-VPB127-GW-247	247	ND									3.3 J				0.5 J				
7	BP-VPB127-GW-267	267	ND									4.1		0.8 J		0.6 J				
8	BP-VPB127-GW-287	287	ND									6.1		0.9 J		0.3 J				
9	BP-VPB127-GW-307	307	ND																	
10	BP-VPB127-GW-327	327	ND							0.13 J		9.4		1.2 J						
11	BP-VPB127-GW-347	347	ND									3.1 J								
12	BP-VPB127-GW-367	367	ND									2 J								
13	BP-VPB127-GW-387	387	ND									1.9 J								
14	BP-VPB127-GW-407	407	ND																	
15	BP-VPB127-GW-427	427	ND									2.5 J								
16	BP-VPB127-GW-447	447	ND									3.2 J		0.8 J						
17	BP-VPB127-GW-467	467	ND							0.16 J	0.12 J	12		1.6 J			0.11 J			
18	BP-VPB127-GW-487	487	ND							0.1 J										
19	BP-VPB127-GW-507	507	ND									11		1.1 J						
20	BP-VPB127-GW-527	527	ND																	
21	BP-VPB127-GW-547	547	ND							0.11 J		13		1.9 J						
22	BP-VPB127-GW-567	567	ND							0.1 J		5.6								
23	BP-VPB127-GW-587	587	ND									9.2		1.1 J						
24	BP-VPB127-GW-607	607	ND																	
25	BP-VPB127-GW-627	627	ND							0.16 J		17		3.6			0.1 J	1.1 J		
26	BP-VPB127-GW-647	647	ND																	
27	BP-VPB127-GW-667	667	ND							0.12 J		12		1.4 J						
28	BP-VPB127-GW-687	687	ND							0.14 J		14		2.1 J						
29	BP-VPB127-GW-707	707	ND							0.13 J		16		2.5 J						
30	BP-VPB127-GW-727	727	ND									4.4		0.9 J						
31	BP-VPB127-GW-747	747	ND									5.4		0.9 J						
32	BP-VPB127-GW-787	787	ND									30		3.3 J		0.7			0.29 J	0.86 J
33	BP-VPB127-GW-807	807	ND									7.7								

Notes:

bgs: Below ground surface
µg/L: micrograms per liter
ND: Not detected
NA: Not applicable
All results are in µg/L
TCE: Trichloroethene
PCE: Tetrachloroethene
1,1 DCA: 1,1-Dichloroethane
1,1 DCE: 1,1-Dichloroethene
1,1,1 TCA: 1,1,1 Trichloroethane
Benz.: Benzene
Tol.: Toluene
Ace.: Acetone
MEK: Methyl Ethyl Ketone
tert BME: tert. ButylMethylEther

[1] Samples were taken on 20-foot centers starting at 200 ft bgs to the total depth of the borehole. Where a sample could not be obtained from the designated interval, an attempt was made at the next 10-foot interval or at the direction of the site geologist.

[2] TCE, PCE, 1,1-DCA, 1,1-DCE, 1,1,1-TCA, and

Data presented is unvalidated data from laboratory Form Is.

Section 8

BPOW 1-3

-Well Repair Log
-Well Development Record
-GW Sample Logs
-Analytical Data Sheets
-Chain of Custody Records
-Validation Package

WELL NO.: BPOW 1-3

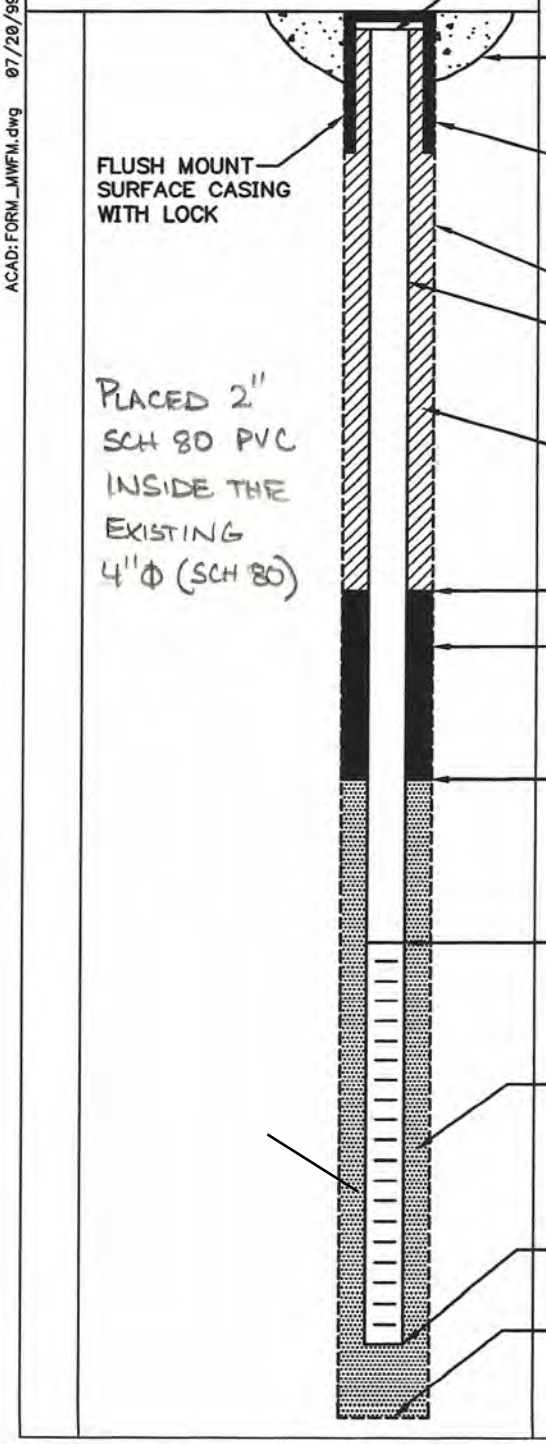
Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

REPAIR OF EXIST. 1-3

PROJECT OU-2 GW	LOCATION BETHPAGE	DRILLER EVERY
PROJECT NO. 112G00622	BORING BPOW 1-3	DRILLING METHOD NA
DATE BEGUN 10-12-10	DATE COMPLETED	
FIELD GEOLOGIST CONTI		DEVELOPMENT METHOD AIR/PUMP
GROUND ELEVATION	DATUM	

ACAD:FORM_MWFM.dwg 07/20/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: FLUSH MT EXISTING

TYPE OF PROTECTIVE CASING: STEEL

I.D. OF PROTECTIVE CASING: NA

DIAMETER OF HOLE: 8"Φ INITIAL

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"Φ SCH 80

TYPE OF BACKFILL/SEAL: CEMENT/BENTONITE GROUT

ELEVATION/DEPTH TOP OF SEAL: /336

TYPE OF SEAL: 1/4" TIME RELEASE BENTONITE PELLETS FILPRO WG 0 (10') /342'

ELEVATION/DEPTH TOP OF SAND: /352

1

ELEVATION/DEPTH TOP OF SCREEN: /372

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL X 40

TYPE OF SAND PACK: FILPRO WG #1 QUARTZ SAND (20')

DIAMETER OF HOLE IN BEDROCK: _____

ELEVATION / DEPTH BOTTOM OF SCREEN: /412

ELEVATION / DEPTH BOTTOM OF SAND: /412

ELEVATION/DEPTH BOTTOM OF HOLE: /412

BACKFILL MATERIAL BELOW SAND: NA

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: BPOW 1-3 | Depth to Bottom (ft.): ~412' BGS | Responsible Personnel: Conti
Site: BETHPAGE OU2 GW | Static Water Level Before (ft.): 30.05 | Drilling Co.: Delta
Date Installed: | Static Water Level After (ft.): | Project Name: Bethpage OU-2 Offsite GW
Date Developed: 10/18/10 | Screen Length (ft.): 40 | Project Number 112G00622
Dev. Method: PUMP | Specific Capacity:
Pump Type: 2" GRUNDFOS | Casing ID (in.):

(2"ϕ INSIDE OF EXIST. 4" SCH 80.)
~67 GPM (REPAIRED WELL.)

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1050	—		—	—	—	—	—	
1100	—	70	31.60	14.81	4.21	.236	42.8	SL. CLOUDY
1110	—	140	31.60	13.97	4.22	.123	2.9	CLEAR. pH PAPER: 5
1120	—	210	31.60	13.50	4.15	.118	0.6	"
1130	—	280	31.60	13.25	4.13	.118	1.2	"
1140	—	350	31.60	13.09	4.11	.116	0.4	"
1150	—	420	31.60	13.10	4.11	.115	1.1	"
1210	—	560	31.60	13.17	4.11	.116	1.0	"
1220	—	630	31.60	13.05	4.14	.121	0.8	" 5→6
1240	—	770	31.60	13.23	4.13	.118	1.1	"
1250	—	840	31.60	13.05	4.11	.119	1.5	"
1300	—	910	31.60	—	—	—	—	"
1310	—	980	31.60	13.21	4.13	.120	1.4	"

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: BETHPAGE OU-2 OFFSITE GW
Project No.: 112G00622
PRE-DESIGN FIELD INVES

Sample ID No.: BP-OW-1-3
Sample Location: BPOW 1-3
Sampled By: SJC

[ ] Domestic Well Data
[x] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

C.O.C. No.: 028425
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 10/18/10	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	mV	NA
Time: 1315								
Method: PUMP	CLEAR	4.13	.120	13.21	1.4	NA	NA	—

PURGE DATA:

Date: 10/18/10								
Method: PUMP								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material			SEE WELL DEV SHEET					
Type: 2" Φ PVC SCH 80			FOR PURGE DATA.					
Total Well Depth (TD): ~412								
Static Water Level (WL): 30.05								
One Casing Volume(gal/L):								
Start Purge (hrs): 1050								
End Purge (hrs): 1310								
Total Purge Time (min): 140								
Total Vol. Purged (gal/L): 980								

SAMPLE COLLECTION INFORMATION: Strike thru analysis not required

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL/4 DEG C	(2)-40ml Glass Vials	✓

OBSERVATIONS / NOTES:

2" MW = 0.163 gal/ft

Sample taken at discreet intervals using a hydropunch sampler unless otherwise noted.

Not enough volume for water quality parameters
Check box if not enough volume. NA

Used pH paper instead of water quality meter
Check box if used pH paper. NA

PURGING WAS PART OF DEV. SLOWED PUMP DOWN @ 1300 AND SAMPLED FROM A VALVED SAMPLE PORT

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP Bethpage
Project No.: 112600623

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: BPOW1-3-20101208
Sample Location: BPOW1-3
Sampled By: VAS
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-8-10	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1425	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method: Submersible pump	clear	4.11	0.096	10.81	0.0	4.52	0.0	305

PURGE DATA: (Gallons)

Date: 12-8-10	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other	Time
Method: Submersible pump	1.0	4.14	0.083	11.11	1.6	5.61	0.0	303	1305
Monitor Reading (ppm): 0.0	45	4.11	0.095	10.89	0.0	4.77	0.0	316	1325
Well Casing Diameter & Material	90	4.11	0.096	10.85	0.0	4.55	0.0	309	1345
Type: 2 inch PVC	135	4.12	0.096	10.83	0.0	4.48	0.0	304	1405
Total Well Depth (TD): 412'	180	4.11	0.096	10.81	0.0	4.52	0.0	305	1425
Static Water Level (WL): 29.99'									
One Casing Volume (gal/L): 62.3									
Start Purge (hrs): 1305									
End Purge (hrs): 1425									
Total Purge Time (min): 80									
Total Vol. Purged (gal/L): 185									

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCl	3 x 40 ml vials	6

OBSERVATIONS / NOTES:

- pump set in well at ~ 395' BGS
- pump flow rate ~ 2.25 gpm
- Sample split with ARCADIS
- No stains, odors, or elevated PID readings observed

water level
1310 → 30.20'
1330 → 30.22'
1350 → 30.23'
1410 → 30.23'
1424 → 30.23'

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	BPOW-DUP01-20101208

Signature(s):

ANALYSIS DATA SHEET

SW 8260B

BP-OW-1-3

Client: TETRA TECH SDG 1010101 Project: CTO-WE08/BETHPAGE OU-2/112G00622 GW BPOW

Matrix: Water Preparation: SW 5030A/5030B File ID: 1010101-0259.d Sampled: 10/18/10 13:15

Initial/Final: 5mL / 5mL Lab ID: 1010101-02 Received: 10/20/10 09:07

Dilution: 1 pH: 1 Prepared: 10/22/10 02:28

% Moisture: NA Analyzed: 10/22/10 04:17

Batch: 0102143 Sequence: 0J21023 Calibration: 0102201 Instrument: 5972hp59

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
75-71-8	Dichlorodifluoromethane		0.32	0.50	5.0	U
74-87-3	Chloromethane		0.39	0.50	5.0	U
75-01-4	Vinyl chloride		0.48	0.50	5.0	U
74-83-9	Bromomethane		0.76	2.0	5.0	U
75-00-3	Chloroethane		0.55	2.0	5.0	U
75-69-4	Trichlorofluoromethane		0.49	0.50	5.0	U
75-35-4	1,1-Dichloroethene		0.53	2.0	5.0	U
67-64-1	Acetone	6.1	1.6	5.0	13	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.82	2.0	5.0	U
75-15-0	Carbon disulfide		0.16	0.50	5.0	U
79-20-9	Methyl acetate		0.86	2.0	5.0	U
75-09-2	Methylene chloride		0.49	0.50	5.0	U
156-60-5	trans-1,2-Dichloroethene		0.44	0.50	5.0	U
1634-04-4	Methyl tert-butyl ether		0.22	0.50	5.0	U
75-34-3	1,1-Dichloroethane		0.27	0.50	5.0	U
156-59-2	cis-1,2-Dichloroethene		0.65	2.0	5.0	U
78-93-3	2-Butanone		1.5	5.0	13	U
67-66-3	Chloroform		0.27	0.50	5.0	U
71-55-6	1,1,1-Trichloroethane		0.32	0.50	5.0	U
110-82-7	Cyclohexane		0.45	0.50	5.0	U
563-58-6	1,1-Dichloropropene		0.42	0.50	5.0	U
56-23-5	Carbon tetrachloride		0.31	0.50	5.0	U
107-06-2	1,2-Dichloroethane		0.23	0.50	5.0	U
71-43-2	Benzene		0.28	0.50	5.0	U
79-01-6	Trichloroethene		0.28	0.50	5.0	U
108-87-2	Methylcyclohexane		0.35	0.50	5.0	U
78-87-5	1,2-Dichloropropane		0.86	2.0	5.0	U
75-27-4	Bromodichloromethane		0.36	0.50	5.0	U
10061-01-5	cis-1,3-Dichloropropene		0.52	2.0	5.0	U
108-10-1	4-Methyl-2-pentanone		1.1	1.3	13	U
108-88-3	Toluene	0.86	0.31	0.50	5.0	JB
10061-02-6	trans-1,3-Dichloropropene		0.45	0.50	5.0	U
79-00-5	1,1,2-Trichloroethane		0.51	2.0	5.0	U
127-18-4	Tetrachloroethene		0.42	0.50	5.0	U
591-78-6	2-Hexanone		1.2	1.3	13	U
124-48-1	Dibromochloromethane		0.32	0.50	5.0	U
106-93-4	1,2-Dibromoethane		0.44	0.50	5.0	U
108-90-7	Chlorobenzene		0.27	0.50	5.0	U
100-41-4	Ethylbenzene		0.42	0.50	5.0	U

ANALYSIS DATA SHEET

SW 8260B

BP-OW-1-3

Client: TETRA TECH SDG 1010101 Project: CTO-WE08/BETHPAGE OU-2/112G00622 GW BPOW

Matrix: Water Preparation: SW 5030A/5030B File ID: 1010101-0259.d Sampled: 10/18/10 13:15

Initial/Final: 5mL / 5mL Lab ID: 1010101-02 Received: 10/20/10 09:07

Dilution: 1 pH: 1 Prepared: 10/22/10 02:28

% Moisture: NA Analyzed: 10/22/10 04:17

Batch: 0102143 Sequence: 0J21023 Calibration: 0102201 Instrument: 5972hp59

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
179601-23-1	m,p-Xylene		0.84	1.0	10	U
95-47-6	o-Xylene		0.25	0.50	5.0	U
100-42-5	Styrene		0.36	0.50	5.0	U
75-25-2	Bromoform		0.95	2.0	5.0	U
98-82-8	Isopropylbenzene		0.27	0.50	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		0.64	2.0	5.0	U
541-73-1	1,3-Dichlorobenzene		0.36	0.50	5.0	U
106-46-7	1,4-Dichlorobenzene		0.30	0.50	5.0	U
95-50-1	1,2-Dichlorobenzene		0.35	0.50	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.91	2.0	5.0	U
120-82-1	1,2,4-Trichlorobenzene		0.48	0.50	5.0	U
91-20-3	Naphthalene		1.1	2.0	5.0	U
540-59-0	1,2-Dichloroethene (total)		0.44	0.50	5.0	U
1330-20-7	Xylenes (total)		0.25	0.50	5.0	U

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.00	51.88	104	85 - 115	
1,2-Dichloroethane-d4	50.00	52.39	105	70 - 120	
Toluene-d8	50.00	52.08	104	85 - 120	
Bromofluorobenzene	50.00	51.86	104	75 - 120	

CAS NO.	TICS	CONC. (ug/L)	Response	R.T.	% Match	Q
NA	Tentatively Identified Compounds	0.0				U

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tetra Tech NUS, Inc.	Date Collected :	12/08/10
Project Id :	Bethpage CTO-066	Date Received :	12/10/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B4488-06
SDG ID :	B4488	Customer Sample No. :	BP0W1-3-20101208
% Moisture :	100	Analytical Method :	EPA SW846 8260
DataFile :	VG032068.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	0.20	1.0	1	
74-87-3	Chloromethane	ND	U	ug/L	0.20	1.0	1	
75-01-4	Vinyl Chloride	ND	U	ug/L	0.34	1.0	1	
74-83-9	Bromomethane	ND	U	ug/L	0.20	1.0	1	
75-00-3	Chloroethane	ND	U	ug/L	0.20	1.0	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/L	0.35	1.0	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/L	0.45	1.0	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	0.47	1.0	1	
67-64-1	Acetone	ND	U	ug/L	0.50	5.0	1	
75-15-0	Carbon Disulfide	ND	U	ug/L	0.20	1.0	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/L	0.35	1.0	1	
79-20-9	Methyl Acetate	ND	U	ug/L	0.20	1.0	1	
75-09-2	Methylene Chloride	ND	U	ug/L	0.41	1.0	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/L	0.41	1.0	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/L	0.36	1.0	1	
110-82-7	Cyclohexane	ND	U	ug/L	0.20	1.0	1	
78-93-3	2-Butanone	ND	U	ug/L	1.3	5.0	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	0.20	1.0	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/L	0.35	1.0	1	
67-66-3	Chloroform	ND	U	ug/L	0.34	1.0	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	0.40	1.0	1	
108-87-2	Methylcyclohexane	ND	U	ug/L	0.20	1.0	1	
71-43-2	Benzene	ND	U	ug/L	0.32	1.0	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	0.48	1.0	1	
79-01-6	Trichloroethene	ND	U	ug/L	0.28	1.0	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tetra Tech NUS, Inc.	Date Collected :	12/08/10
Project Id :	Bethpage CTO-066	Date Received :	12/10/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B4488-06
SDG ID :	B4488	Customer Sample No. :	BP0W1-3-20101208
% Moisture :	100	Analytical Method :	EPA SW846 8260
DataFile :	VG032068.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/L	0.36	1.0	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/L	2.1	5.0	1	
108-88-3	Toluene	ND	U	ug/L	0.37	1.0	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/L	0.29	1.0	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/L	0.31	1.0	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	0.38	1.0	1	
591-78-6	2-Hexanone	ND	U	ug/L	1.9	5.0	1	
124-48-1	Dibromochloromethane	ND	U	ug/L	0.20	1.0	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/L	0.41	1.0	1	
127-18-4	Tetrachloroethene	ND	U	ug/L	0.27	1.0	1	
108-90-7	Chlorobenzene	ND	U	ug/L	0.49	1.0	1	
100-41-4	Ethyl Benzene	ND	U	ug/L	0.20	1.0	1	
179601-23-1	m/p-Xylenes	ND	U	ug/L	0.95	2.0	1	
95-47-6	o-Xylene	ND	U	ug/L	0.43	1.0	1	
100-42-5	Styrene	ND	U	ug/L	0.36	1.0	1	
75-25-2	Bromoform	ND	U	ug/L	0.47	1.0	1	
98-82-8	Isopropylbenzene	ND	U	ug/L	0.45	1.0	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.31	1.0	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	0.43	1.0	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	0.32	1.0	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	0.45	1.0	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/L	0.46	1.0	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	0.20	1.0	1	

1010052

49

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER No 928425 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00622	BETHPAGE OU2 GW	BRAYACK	757 461 3824	COMPUCHEM / DOVER
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
SJConti		CONTI	412 551 2629	
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FED EX 8735 5966 0818		CARY, NC

↙ CHECK W/ D. BRAYACK

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	TYPE OF ANALYSIS: VOCs 40mL	PRESERVATIVE USED: 4°C HCL							COMMENTS
									G									
10/18	1030	BP-OWTB-101810	TB	—	—	QC	G	2	2						1010101-01			TRIP BLANK
10/18	1315	BP-OW-1-3	BPOW 1-3	—	—	GW	G	2	2						↓		02	FROM BPOW 1-3

1. RELINQUISHED BY	SJConti	DATE 10/19/10	TIME 1100	1. RECEIVED BY FED EX		DATE	TIME
2. RELINQUISHED BY		DATE	TIME	2. RECEIVED BY William Boyd		DATE 10/20/10	TIME 0907
3. RELINQUISHED BY		DATE	TIME	3. RECEIVED BY		DATE	TIME

COMMENTS Rec'd on Ice and with custody seals. DB 10/20/10 rec'd @ 2.8°C SN0010

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 27287 | PAGE 1 OF 1 B4488

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00622	NWIRP Bethpage	Dave Brayack	(757) 461-3824	Chemtech
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Vince Shickora		Vince Shickora	(610) 491-9688	284 Sheffield Street
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FED EX # 8706 9629 3699		Mountainside, NJ 07092

STANDARD TAT ☐
RUSH TAT ☐ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	6							COMMENTS
										PRESERVATIVE USED	HCl							
										TYPE OF ANALYSIS	VOCs							
1	12/8	0700	BP-TB01-20101208				QC	G	3	3								Trip Blank
2,3,4	12/8	1000	BPOW2-1-20101208				GW	G	9	9								Do MS/MSD
5	12/8	1230	BPOW2-2-20101208				GW	G	3	3								
6	12/8	1425	BPOW1-3-20101208				GW	G	3	3								
7	12/8	1800	BPOW-DUP01-20101208				GW	G	3	3								

1. RELINQUISHED BY	DATE 12-9-10	TIME 1600	1. RECEIVED BY	DATE	TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY Fed Ex	DATE 12/10/10	TIME 9:30	3. RECEIVED BY	DATE 12/10/10	TIME 9:30

COMMENTS Temp. 4°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**NOVEMBER 30, 2010**
FROM:	**L. GANSER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
NWIRP BETHPAGE CTO 066
SAMPLE DELIVERY GROUP (SDG) 1010101

SAMPLES: 3/Aqueous/VOC

BP-OW-1-3 BP-OWTB-101810

Overview

The sample set for NWIRP Bethpage, CTO 066, SDG 1010101 consists of one (1) environmental aqueous sample and one (1) trip blank. The samples were analyzed for volatile organic compounds (VOCs). No field duplicates were included within this SDG.

The samples were collected on October 18, 2010 and analyzed by CompuChem, a division of Liberty Analytical Corporation. VOC analyses were conducted in accordance with EPA Method SW-846 8260B. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • GC/MS Tune
• Initial/continuing calibrations
• Laboratory Method Blank Results
* • Surrogate Recoveries
• Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries
* • Internal Standard Recoveries
* • Compound Quantitation
* • Compound Identification
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

Volatile Organic Compounds

Initial and continuing calibration relative response factor (RRF) was <0.05 for acetone. Positive results for acetone were qualified as estimated, "J".

Initial calibration percent relative standard deviation was >15% quality control limit (<90%) for bromomethane. Nondetected results for bromomethane were qualified as estimated, "UJ".

Contaminants were detected in laboratory method blank VBLKBO at the following maximum concentrations.

Contaminant	Maximum Concentration (ug/L)	Action Level (ug/L)
1,2,4-Trichlorobenzene	1.6	8.0
Naphthalene	4.1	20.5
Toluene	0.92	4.6

An action level of 5X the maximum contaminant concentration was established to evaluate the samples for laboratory method blank contamination. Sample aliquot and dilution factors were taken into consideration during application of the blank action level. Positive results less than the action level were qualified as nondetected, "U", due to blank contamination. The trip blank was not qualified for laboratory blank contamination.

Additional Comments

Nondetected results are reported at the limit of detection (LOD).

Positive results below the limit of quantitation (LOQ) and above the detection limit were qualified as estimated, "J", due to uncertainty near the detection limit.

No matrix spike/matrix spike duplicate samples were requested.

The trip blank was reanalyzed by the laboratory to verify results. The results of the original analysis are presented in the EDD.

EXECUTIVE SUMMARY

Laboratory Performance Issues: 1,2,4-Trichlorobenzene, naphthalene, and toluene were detected in a laboratory method blank. Initial and continuing calibration RRF was <0.05 for acetone. Initial calibration percent relative standard deviation was greater than the quality control limit for bromomethane.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA National Functional Guidelines for Organic Data Validation (10/99), USEPA Region II Standard Operating Procedures for Validating Volatile Organic Compounds by SW-846 Method 8260B HW-24 Revision 2 (August 2008) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Leanne Ganser
Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Data Validation Forms
4. Appendix D - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00622	NSAMPLE	BP-OW-1-3			BP-OWTB-101810		
SDG: 1010101	LAB_ID	1010101-02			1010101-01		
FRACTION: OV	SAMP_DATE	10/18/2010			10/18/2010		
MEDIA: WATER	QC_TYPE	NM			TB		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	U		0.5	U	
1,1,2,2-TETRACHLOROETHANE		2	U		2	U	
1,1,2-TRICHLOROETHANE		2	U		2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2	U		2	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U	
1,1-DICHLOROETHENE		2	U		2	U	
1,1-DICHLOROPROPENE		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		1.4	J	P
1,2-DIBROMO-3-CHLOROPROPANE		2	U		2	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		2	U		2	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U	
2-BUTANONE		5	U		5	U	
2-HEXANONE		1.3	U		1.3	U	
4-METHYL-2-PENTANONE		1.3	U		1.3	U	
ACETONE		6.1	J	CP	34	J	C
BENZENE		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U	
BROMOFORM		2	U		2	U	
BROMOMETHANE		2	UJ	C	2	UJ	C
CARBON DISULFIDE		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	U		0.5	U	
CHLOROBENZENE		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	U		0.5	U	
CHLOROETHANE		2	U		9.3		
CHLOROFORM		0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		2	U		2	U	
CIS-1,3-DICHLOROPROPENE		2	U		2	U	
CYCLOHEXANE		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U	
ETHYLBENZENE		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-OW-1-3			BP-OWTB-101810		
SDG: 1010101	LAB_ID	1010101-02			1010101-01		
FRACTION: OV	SAMP_DATE	10/18/2010			10/18/2010		
MEDIA: WATER	QC_TYPE	NM			TB		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
M+P-XYLENES		1	U		1	U	
METHYL ACETATE		2	U		2	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U	
NAPHTHALENE		2	U		3.1	J	P
O-XYLENE		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U	
TOLUENE		0.86	U	A	1	J	P
TOTAL 1,2-DICHLOROETHENE		0.5	U		0.5	U	
TOTAL XYLENES		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **D. BRAYACK** **DATE:** **JANUARY 14, 2011**

FROM: **MICHELLE L. ALLEN** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC, SVOC, PEST, and PCB**
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP), BETHPAGE
CTO 066
SAMPLE DELIVERY GROUP (SDG) B4488

SAMPLES: 5/Aqueous/VOC

BP-TB01-20101208 BPOW-DUP01-20101208 BPOW1-3-20101208
BPOW2-1-20101208 BPOW2-2-20101208

1/IDW/VOC/SVOC/PEST/PCB

BP-FRACIDW-20101209

Overview

The sample sets for NWIRP Bethpage, SDG B4488 consisted of four (4) aqueous environmental samples, one (1) aqueous waste sample, and one (1) aqueous trip blank. All six (6) aqueous samples were analyzed for volatile organic compounds (VOC). The one (1) aqueous waste sample was analyzed for semi-volatile organic compounds (SVOC), pesticides (PEST), and polychlorinated biphenyls (PCB). One field duplicate sample pair was associated with this sample data group (SDG); BPOW-DUP01-20101208/BPOW1-3-20101208.

The samples were collected by Tetra Tech on December 8 and 9, 2010 and analyzed by Chemtech. All analyses were conducted in accordance with EPA Methods SW-846 8260B, 8270C, 8081, 8082 and EPA Method 624 analytical and reporting protocols. The data contained in this SDG was validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • GC/MS System Tuning and Performance
• Initial/continuing calibrations
* • Laboratory Method Blank Results
• Surrogate Spike Recoveries
• Internal Standard Recoveries
• Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries
• Matrix Spike/Matrix Spike Duplicate Results
* • Field Duplicate Precision Results
* • Compound Identification
* • Compound Quantitation
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

Volatile (VOC)

The Percent Differences (%Ds) for 2-hexanone and bromoform exceeded the 20% quality control limit for the continuing calibration performed on instrument MSVOAD on 12/15/10 @ 11:33. Sample BPOW-DUP01-20101208 was affected. Only non-detected results were reported for these compounds in the affected sample and these non-detects were qualified as estimated, (UJ).

The continuing calibration %Ds for acetone and methyl acetate were greater than 20% quality control criteria on instrument MSVOAG on 12/13/10 @ 10:41 affecting samples TB01-20101208, BPOW1-3-20101208, BPOW2-1-20101208, and BPOW2-2-20101208. The non-detected results reported for these compounds were qualified as estimated, (UJ).

The Relative Percent Difference (RPD) for acetone, methyl acetate, 2-butanone, 1,1,2,2-tetrachloroethene, and 1,2-dibromo-3-chloropropane exceeded the 20% quality control limit in the Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample BPOW2-1-20101208. No action was taken for the non-detected results reported for these compounds in the environmental sample since the Percent Recoveries (%Rs) were acceptable in the MS and MSD samples.

The Laboratory Control Sample (LCS), BSG1213W1, had %Rs for acetone and methyl acetate above the upper quality control limits. No action was taken in the affected samples since no positive results were reported for these compounds.

The LCS/Laboratory Control Sample Duplicate (LCSD) analyses, samples BSG1209W3/BSG1209W4, had RPDs for dichlorofluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, acetone, carbon disulfide, methyl acetate, and 2-butanone that exceeded 20%. In addition, the %R for acetone was greater that the upper quality control limit. No action was taken in the affected waste water sample since only non-detects were reported for the noncompliant compounds.

The positive result for 1,1-dichloroethane in sample BPOW2-2-20101208 reported below the Limit of Quantitation (LOQ) but above the Method Detection Limit (MDL) was qualified as estimated, (J). Non-detected results are reported to the Limit of Detection (LOD).

Semi-Volatile Organic Compounds (SVOC)

The internal standard, perylene-d12, was below the lower quality control limit in sample BP-FRACIDW-20101209. The sample was reanalyzed yielding similar results. The initial analysis of this sample was used in the data validation. The non-detected results reported the compounds associated with this internal standard were qualified as estimated, (UJ).

Pesticides (PEST)

No problems were noted.

Polychlorinated Biphenyls (PCB)

The surrogate spike compound, decachlorobiphenyl, had %Rs below the lower quality control limit in sample BP-FRACIDW-20101209 and its reanalysis. The initial analysis was used in the validation of the data. The non-detected results reported for the PCBs in this fraction were qualified as estimated, (UJ).

Additional Comments

The VOC analysis of the waste sample, BP-FRACIDW-20101209, was analyzed via EPA Method 624 and evaluated accordingly.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Some compounds were estimated due to continuing calibration %Ds greater than their respective quality control limit. The VOC LCS/LSD had %Rs and RPDs outside the quality control limits. Noncompliant surrogate %Rs resulted in the qualification the waste sample in the PCB fraction. One internal standard was below the lower quality control limit in the SVOC analysis of the waste sample. Affected compounds were estimated.

Other Factors Affecting Data Quality: The MS/MSD sample had noncompliant %Rs and RPDs. Non-detected results were not qualified. A positive result reported below the LOQ but above the MDL was qualified as estimated, (J). Non-detected results are reported to the LOD.

The data for these analyses were reviewed with reference to the following: SOP #HW-24 Revision #2, August 2008, USEPA Region II Hazardous Waste Support Branch Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SOP #HW-22 Revision #4, August 2008, USEPA Region II Hazardous Waste Support Branch Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SOP #HW-44 Revision #1, October 2006, USEPA Region II Hazardous Waste Support Branch Validating Pesticides by Gas Chromatography, SOP #HW-45 Revision #1, October 2006, USEPA Region II Hazardous Waste Support Branch Validating Polychlorinated Biphenyls by Gas Chromatography by SW-846 Methods 8260B, 8270C, 8081, and 8082, EPA Method 624, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

TetraTech NUS
Michelle L. Allen
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Data Validation Forms
4. Appendix D - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00622	NSAMPLE	BP0W1-3-20101208			BP0W2-1-20101208			BP0W2-2-20101208			BP0W-DUP01-20101208		
SDG: B4488	LAB_ID	B4488-06			B4488-02			B4488-05			B4488-07		
FRACTION: OV	SAMP_DATE	12/8/2010			12/8/2010			12/8/2010			12/8/2010		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF										BP0W1-3-20101208		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-TETRACHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U		0.74	J	P	0.5	U	
1,1-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
2-BUTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
2-HEXANONE		2.5	U		2.5	U		2.5	U		2.5	UJ	C
4-METHYL-2-PENTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
ACETONE		2.5	UJ	C	2.5	UJ	C	2.5	UJ	C	2.5	U	
BENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOFORM		0.5	U		0.5	U		0.5	U		0.5	UJ	C
BROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON DISULFIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROFORM		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
ETHYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
M+P-XYLENES		1	U		1	U		1	U		1	U	

PROJ_NO: 00622	NSAMPLE	BP-TB01-20101208
SDG: B4488	LAB_ID	B4488-01
FRACTION: OV	SAMP_DATE	12/8/2010
MEDIA: WATER	QC_TYPE	NM
	UNITS	UG/L
	PCT_SOLIDS	0.0
	DUP_OF	

PARAMETER	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.5	U	
1,1-DICHLOROETHENE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.5	U	
1,2-DIBROMOETHANE	0.5	U	
1,2-DICHLOROBENZENE	0.5	U	
1,2-DICHLOROETHANE	0.5	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.5	U	
1,4-DICHLOROBENZENE	0.5	U	
2-BUTANONE	2.5	U	
2-HEXANONE	2.5	U	
4-METHYL-2-PENTANONE	2.5	U	
ACETONE	2.5	UJ	C
BENZENE	0.5	U	
BROMODICHLOROMETHANE	0.5	U	
BROMOFORM	0.5	U	
BROMOMETHANE	0.5	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.5	U	
CHLORODIBROMOMETHANE	0.5	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.5	U	
CHLOROMETHANE	0.5	U	
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.5	U	
CYCLOHEXANE	0.5	U	
DICHLORODIFLUOROMETHANE	0.5	U	
ETHYLBENZENE	0.5	U	
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	

PROJ_NO: 00622	NSAMPLE	BP0W1-3-20101208			BP0W2-1-20101208			BP0W2-2-20101208			BP0W-DUP01-20101208		
SDG: B4488	LAB_ID	B4488-06			B4488-02			B4488-05			B4488-07		
FRACTION: OV	SAMP_DATE	12/8/2010			12/8/2010			12/8/2010			12/8/2010		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF										BP0W1-3-20101208		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
METHYL ACETATE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
O-XYLENE		0.5	U		0.5	U		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TOLUENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-TB01-20101208
SDG: B4488	LAB_ID	B4488-01
FRACTION: OV	SAMP_DATE	12/8/2010
MEDIA: WATER	QC_TYPE	NM
	UNITS	UG/L
	PCT_SOLIDS	0.0
	DUP_OF	

PARAMETER	RESULT	VQL	QLCD
METHYL ACETATE	0.5	UJ	C
METHYL CYCLOHEXANE	0.5	U	
METHYL TERT-BUTYL ETHER	0.5	U	
METHYLENE CHLORIDE	0.5	U	
O-XYLENE	0.5	U	
STYRENE	0.5	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.5	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.5	U	
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.5	U	
VINYL CHLORIDE	0.5	U	

Section 9

BPOW 1-4, 1-5, 1-6

-Boring Logs
-Well Construction Logs
-Well Development Records
-Analytical Data Sheets
-Chain of Custody Records
-Data Validation Package

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-4**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/11/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0				DENSE	YELLOW BRN	SAND- SOME GRAVEL	SP/SW	MOIST SEE VPB-127 AND GAMMA LOG FOR DETAILS				0
	20												
5/11				8" Ø CAS			SAME						
	40			40'			SAME		DROVE 8" CAS TO 40'				
5/16													0
	60						SILTY SAND-TR GRAVEL	SM	WET				
	80						SAME - TR CLAY GRAY						0
	100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 8" CAS TO 40' 8" MUD ROTARY TO TD

Drilling Area Background (ppm): 0

Converted to Well: Yes x No _____ Well I.D. #: **BPOW 1-4**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-4**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/17/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	100				DENSE	TAN GRAY	SILTY F SAND	SM	WET				0
	120						SAME						
5/16	140						SAME						
5/17													
													0
	160						SAME						
	180						SAME						
	200												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-4**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-4**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/17/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	200				DENSE	TAN BRN	SILTY F SAND	SM	WET				0
	220						SAME						
5/17													
	240						SAME						
5/18													0
	260						SAME						
	280						SAME						
													0
	300												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-4**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-4**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/18/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	300				DENSE	BRN GRAY	SILTY SAND	SM	WET				0
	320						SAME						
5/18													
	340						SAME						
5/19													
													0
	360						SAME						
	380						SAME						
	400												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-4**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-4**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/19/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	400				DENSE	GRAY	SILTY SAND	SM	WET				0
				410									
				TD									
	420						SCREEN 340-400		SEE MW SHEET				
							C. SAND 320-410						
							F. SAND 310-320						
	440												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-4**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY
BORING No.: BPOW 1-5
DATE: 4/19/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0												
					M DENSE	YELL BRN	SAND - SOME GRAVEL	SW	PLEASE SEE BORING AND GAMMA LOG VPB-127 FOR DETAILS				0
4/19	20												
				5			8" CAS TO 40' DRIVEN IN PLACE						
	40												
4/25							SAND - TR GRAVEL	SP	WET				
	60												0
					DENSE	GRAY	SAND	SM	WET				
	80												
							SAME						
	100												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 8" CAS TO 40' 8" MUD ROTARY TO TD

Drilling Area Background (ppm): 0

Converted to Well: Yes x No _____ Well I.D. #: BPOW 1-5

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-5**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/25
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	100				DENSE	GRAY	SILTY SAND	SM	WET				0
	120						SAME						
	140						SAME						
4/25	160						SAME						0
4/26													
	180						SAME						
	200												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-5**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY
BORING No.: BPOW 1-5
DATE: 4/26/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	200												
4/26					DENSE	GRAY BRN	SILTY SAND - TR	SM	WET				0
							DRIFT WOOD PCS.						
	220						SAME						
									230' WOOD IS MORE ABUNDANT				
									SLOWS DRILLING SOMEWHAT				
	240						SAME						0
	260						SAME						
4/26	280						SAME.						
4/27													
	300												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: BPOW 1-5

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-5**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/27/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	300				DENSE	GRAY BRN	SILTY SAND	SM	WET				0
	320						SAME						
	340						SAME						
													0
	360						SAME						
	380						SAME						
													0
4/27	400						SAME						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes x No Well I.D. #: **BPOW 1-5**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-5**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/28/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
4/27	400												
4/28					DENSE	TAN BRN	SILTY SAND	SM	WET				0
	420						SAME						
	440						SAME - TR CLAY						
													0
	460						SAME						
	480						SAME						
	500												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes x No _____ Well I.D. #: **BPOW 1-5**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-5**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/29/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	500				DENSE	BRN GRAY	SILTY SAND	SM	WET				0
4/28	520						SAME						
4/29													
	540						SAME						
													0
	560						SAME TR						
							CLAY						
4/29	580												
5/2							SAME						
	600												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes x No _____ Well I.D. #: **BPOW 1-5**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-5**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 5/2/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	600												
					DENSE	TAN GRAY	SILTY SAND		WET				0
	620						SAME						
5/2													
	640						SAME						
	660						SAME						0
	665												
				665 TD									
							SCREEN 600-650	+	5' SUMP				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes x No _____ Well I.D. #: **BPOW 1-5**

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: BPOW 1-6
DATE: 3/31/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								PLEASE SEE				0
									VBB-127 BOR				
									LOG AND				
									GAMMA LOG				
	20								FOR LITHOLOGY				
	40						SET 10" CAS TO						
							40'-USED CAS.						
							DRIVER						
	60												0
	80												
	100												0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 8" MUD ROTARY TO TD.

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-6**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4-4-11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	100				DENSE	GRAY	SAND - TR CLAY	SM/SP	WET				0
	120						SAME						
	140						SAME						
	160						SAME						0
	180						SAME						
	200												0

414
4/5

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-6**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/5/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	200				DENSE	GRAY	SAND -TR CLAY	SM/SP	WET				0
4/5													
	220						SAME						
	240						SAME						
	260						SAME						0
	280						SAM E						
↑													
↓ 4/6													
	300						SAME						0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY
BORING No.: BPOW 1-6
DATE: 4/6/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	300				DENSE	GRAY	SAND - TR CLAY	SM/SP	WET				0
	320						SAME						
	340						SAME						
	360						SAME						0
	380						SAME						
	400						SAME						0

4/6
4/7

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW**
PROJECT NUMBER: **112G00622-PHASE II**
DRILLING COMPANY: **DELTA WELL & PUMP**
DRILLING RIG: **MUD ROTARY**

BORING No.: **BPOW 1-6**
DATE: 4/7/11
GEOLOGIST: **Conti**
DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	400				DENSE	GRAY	SAND - TR CLAY	SM	WET				0
4/7/11 ↓								SP					
	420						SAME						
	440						SAME						
	460						SAME						0
	480						SAME						
	500						SAME						0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY

BORING No.: BPOW 1-6
DATE: 4/7/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	500				DENSE	GRAY	SAND - TR CLAY	SP/SM	WET				0
	520						SAME						
	540						SAME						0
	560						SAME						
	580						SAME						
	600						SAME						0

4/7/11
4/8/11

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: BETHPAGE OU-2 OFFSITE GW
PROJECT NUMBER: 112G00622-PHASE II
DRILLING COMPANY: DELTA WELL & PUMP
DRILLING RIG: MUD ROTARY
BORING No.: BPOW 1-6
DATE: 4/11/11
GEOLOGIST: Conti
DRILLER: B. Welischar

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	600				DENSE	GRAY	SAND - TR CLAY	SP/SM	WET				0
	620						SAME						
	640						SAME						
	660						SAME						0
	680						SAME						
	700						SAME						0

4/8/11
4/11/11

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: **BETHPAGE OU-2 OFFSITE GW** BORING No.: **BPOW 1-6**
PROJECT NUMBER: **112G00622-PHASE II** DATE: 4/12/11
DRILLING COMPANY: **DELTA WELL & PUMP** GEOLOGIST: **Conti**
DRILLING RIG: **MUD ROTARY** DRILLER: **B. Welischar**

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	700				DENSE	LT. GRAY	SAND-SOME	SP/	WET				0
							GRAVEL	GW	LOSE SOME				
									CIRCULATION				
	720												
							SAME						
	740						SAME						
4/11													
4/12													
	760						SAME						0
				770									
				TD			TD 770						
	780												
	800												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: BPOW 1-6

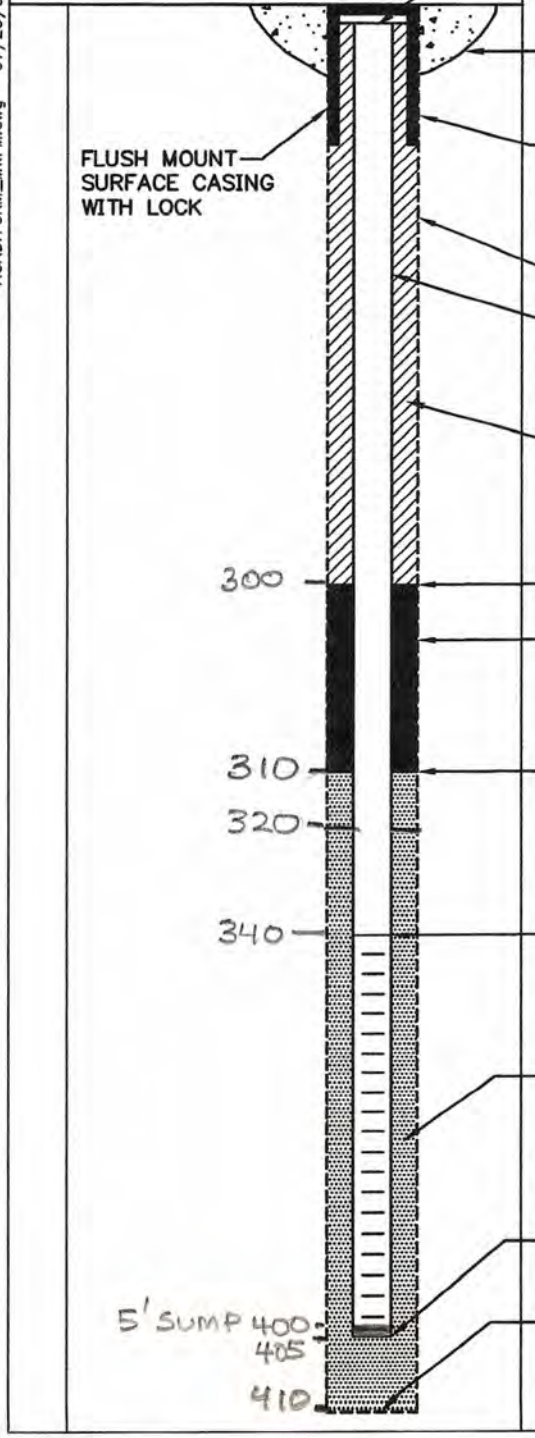
WELL NO.: BPOW 1-4

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT BETHPAGE OU2	LOCATION BETHPAGE NY	DRILLER B. WELISCHAR
PROJECT NO. 112G00622	BORING BPOW 1-4	DRILLING METHOD MUD ROT
DATE BEGUN 5/23/11	DATE COMPLETED 5/25/11	
FIELD GEOLOGIST CONTI		DEVELOPMENT METHOD AIR/PUMP
GROUND ELEVATION	DATUM	

ACAD: FORM_MWFM.dwg 07/20/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: _____

TYPE OF PROTECTIVE CASING: FLUSH MT.

I.D. OF PROTECTIVE CASING: 8"

DIAMETER OF HOLE: 8" ϕ

TYPE OF RISER PIPE: PVC SCH 80

RISER PIPE I.D.: 4"

TYPE OF BACKFILL/SEAL: HIGH SOLIDS BENTONITE CEMENT GROUT

ELEVATION/DEPTH TOP OF SEAL: /300

TYPE OF SEAL: BENTONITE PELLETS 1/8" ϕ

ELEVATION/DEPTH TOP OF FINE SAND: /310

DEPTH C. SAND /320

ELEVATION/DEPTH TOP OF SCREEN: /340

TYPE OF SCREEN: PVC SCH 80

SLOT SIZE x LENGTH: 10 SL x 60'

TYPE OF SAND PACK: FILPRO # 1 WG SILICA SAND

DIAMETER OF HOLE IN BEDROCK: _____

ELEVATION / DEPTH BOTTOM OF SCREEN: /400

ELEVATION / DEPTH BOTTOM OF SAND: /410

ELEVATION/DEPTH BOTTOM OF HOLE: /410

BACKFILL MATERIAL BELOW SAND: SAND

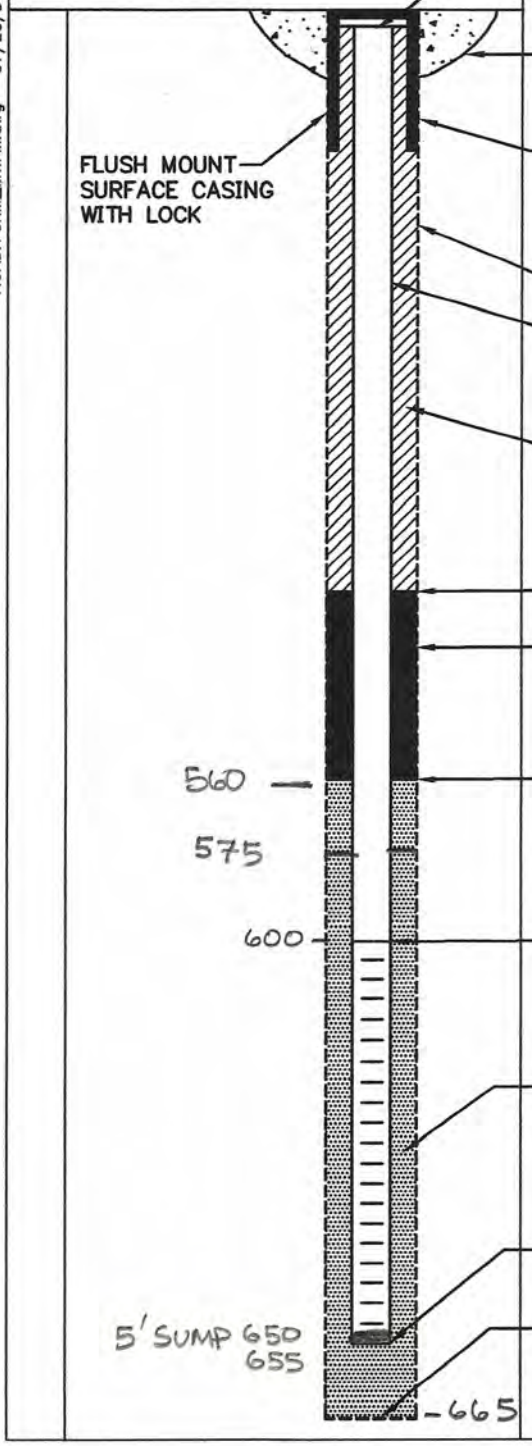
WELL NO.: BPOW 1-5

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT BETHPAGE OU 2	LOCATION BETHPAGE NY	DRILLER WELISCHAR
PROJECT NO. 112G00622	BORING BPOW 1-5	DRILLING METHOD MUD ROT
DATE BEGUN 5-3-11	DATE COMPLETED 5/6/11	
FIELD GEOLOGIST CONTI		DEVELOPMENT METHOD PUMP/AIR
GROUND ELEVATION	DATUM	

ACAD:FORM_MWFM.dwg 07/20/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: _____

TYPE OF PROTECTIVE CASING: FLUSH MT

I.D. OF PROTECTIVE CASING: 8" Φ

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC SCH 80

RISER PIPE I.D.: 4"

TYPE OF BACKFILL/SEAL: HIGH SOLIDS BENTONITE/CEMENT GROUT

ELEVATION/DEPTH TOP OF SEAL: /550

TYPE OF SEAL: BENTONITE PELLETS 1/8" Φ

ELEVATION/DEPTH TOP OF FINE SAND: /560

DEPTH C. SAND 575

ELEVATION/DEPTH TOP OF SCREEN: /600

TYPE OF SCREEN: PVC SCH 80

SLOT SIZE x LENGTH: 10 SL X 50'

TYPE OF SAND PACK: FILPRO #1 WG SILICA SAND

DIAMETER OF HOLE IN BEDROCK: NA

ELEVATION / DEPTH BOTTOM OF SCREEN: /650

ELEVATION / DEPTH BOTTOM OF SAND: /665

ELEVATION/DEPTH BOTTOM OF HOLE: /665

BACKFILL MATERIAL BELOW SAND: SAND

WELL NO.: BPOW 1-6

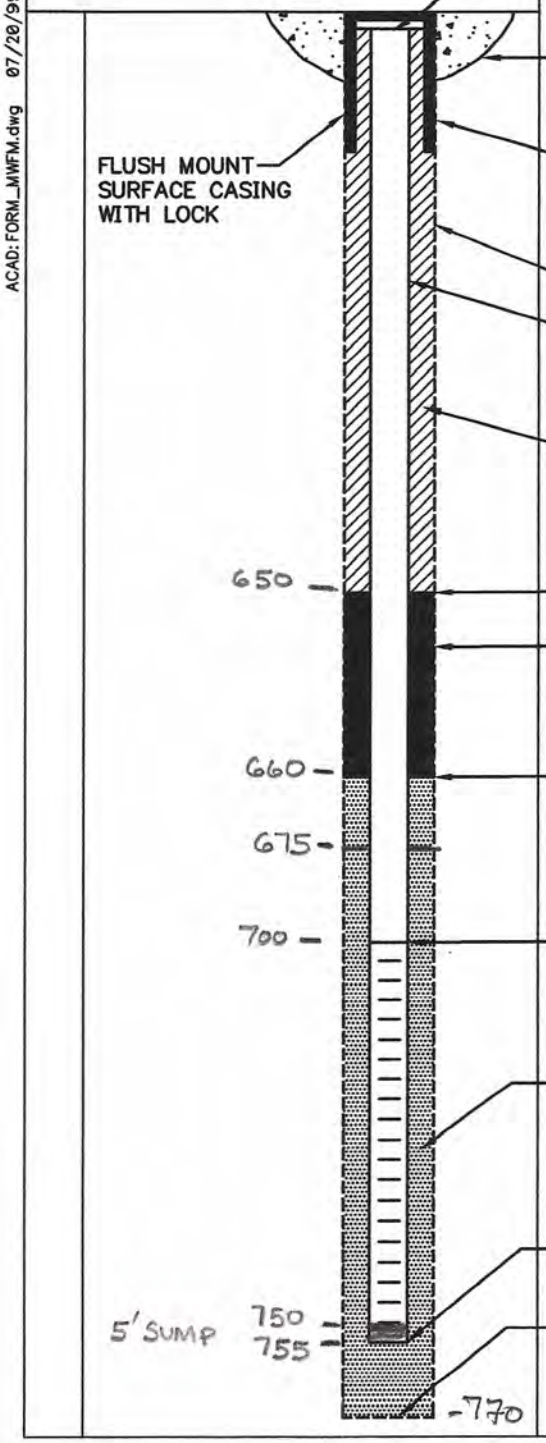
Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

VPB-127 LOC.

PROJECT BETHPAGE OU 2	LOCATION BETHPAGE NY	DRILLER WELISCHAR
PROJECT NO. 112G00622	BORING BPOW 1-6	DRILLING METHOD MUD ROT
DATE BEGUN 4-12-11	DATE COMPLETED 4-14-11	
FIELD GEOLOGIST CONTI		DEVELOPMENT METHOD PUMP/AIR
GROUND ELEVATION	DATUM	

ACAD: FORM_MWFM.dwg 07/20/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: _____

TYPE OF PROTECTIVE CASING: FLUSH MOUNT

I.D. OF PROTECTIVE CASING: 10"

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC SCH 80

RISER PIPE I.D.: 4"

TYPE OF BACKFILL/SEAL: HIGH SOLIDS BENTONITE/CEMENT GROUT

ELEVATION/DEPTH TOP OF SEAL: / 650

TYPE OF SEAL: BENTONITE PELLETS 1/8" Φ

FINE

ELEVATION/DEPTH TOP OF SAND: / 660

DEPTH C. SAND 675

ELEVATION/DEPTH TOP OF SCREEN: / 700

TYPE OF SCREEN: PVC SCH 80

SLOT SIZE x LENGTH: 10 SL x 50'

TYPE OF SAND PACK: FILPRO #1 WG SILICA SAND

DIAMETER OF HOLE IN BEDROCK: NA

ELEVATION / DEPTH BOTTOM OF SCREEN: / 750

ELEVATION / DEPTH BOTTOM OF SAND: / 770

ELEVATION/DEPTH BOTTOM OF HOLE: / 770

BACKFILL MATERIAL BELOW SAND: SAND

BPOW 1-4

AIR

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: BPOW 1-4
Site: BETHPAGE OU2
Date Installed: 5/23/2011
Date Developed: 6/8/11 to 6/9/11
Dev. Method: AIR / PUMP
Pump Type: NA

Depth to Bottom (ft.): 405'
Static Water Level Before (ft.): 19.25
Static Water Level After (ft.): 12.05
Screen Length (ft.): 60'
Specific Capacity:
Casing ID (in.): 4" ID

Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

Note: AirLine PE Tubing at 200 feet

Time 6/8/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
11:40	NA	0	19.25					
12:00	NA	910	—	17.11	5.69	0.372	>3999	Brown Gray. Very Turbid. No odor
12:30	NA	2270	—	18.26	6.08	0.272	>3999	Brown Gray. Very Turbid
13:00	NA	3640	—	20.47	5.52	0.108	139	Slight Turbid
13:30	NA	5000	—	19.29	4.70	0.104	40.3	Light Gray Tint
6/9/11	8:20	Start air-lift development						
8:50	NA	1410	—	18.87	4.61	0.145	38.2	Light Gray Tint, No Odor
9:20	NA	2820	—	17.46	4.39	0.101	77.1	Gray Tint
9:50	NA	4230	—	19.58	4.33	0.100	65.6	Gray Tint
10:20	NA	5640	—	18.17	4.26	0.103	52.4	Gray Tint
10:40	NA	6800	—	17.86	4.18	0.101	39.6	Light Gray Tint
11:10	NA	8000	—	18.58	4.14	0.108	8.73	Clear
		Total	Air Lift	Development:		13,000 Gallons.		

BPOW 1-4
PUMP

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: BPOW 1-4 | Depth to Bottom (ft.): 405' | Responsible Personnel: Xuejun Chen
Site: BETHPAGE OU2 | Static Water Level Before (ft.): 10.80 | Drilling Co.: **Delta**
Date Installed: 5/23/2011 | Static Water Level After (ft.): 11.62 | Project Name: **Bethpage OU-2 Offsite GW**
Date Developed: 6/16/11 | Screen Length (ft.): 60' | Project Number: **112G00622**
Dev. Method: PUMP | Specific Capacity: 2.02'DD @ 18.7 GPM
Pump Type: 3"Ø Submersible | Casing ID (in.): 4"ØID

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
9:20	NA	0	10.80	20.08				pump at 335 feet (TOC)
9:30	NA	170	12.80	15.61	4.96	0.194	7.60	clear, No odor
9:50	NA	520	12.82	13.98	4.53	0.103	2.65	clear
10:10	NA	940	12.82	13.67	4.23	0.101	2.37	clear
10:30	NA	1330	12.83	13.53	4.06	0.100	2.32	clear
10:40	NA	1530	12.83	13.71	4.05	0.101	15.4	pump at 370 feet (TOC)
10:50	NA	1700	12.76	13.66	4.01	0.102	5.27	clear
11:10	NA	2030	12.82	13.28	3.96	0.103	4.97	clear
11:30	NA	2510	12.93	13.75	3.96	0.104	5.04	clear
11:50	NA	2710	12.91	13.19	3.93	0.105	5.15	clear
12:10	NA	3090	12.88	13.30	3.89	0.106	4.48	clear
12:30	NA	3480	12.84	13.07	3.89	0.107	4.48	clear
12:50	NA	3860	12.82	13.78	3.89	0.106	4.12	clear
13:10	NA	4300	12.82	13.08	3.87	0.108	2.99	clear
		BP-BPOW1-4-061611 was collected for VOCs analysis. Sampling Time: 13:10						

BPOW 1-5

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

AIR

Well: BPOW 1-5
Site: BETHPAGE OU2
Date Installed: 5/3/2011
Date Developed: 6/16/11 to 6/18/11
Dev. Method: AIR/PUMP
Pump Type: NA

Depth to Bottom (ft.): 655'
Static Water Level Before (ft.): 25.40
Static Water Level After (ft.): 13.15
Screen Length (ft.): 50'
Specific Capacity:
Casing ID (in.): 4" ID

Responsible Personnel: Xuejun Chen
Drilling Co.: Delta
Project Name: Bethpage OU-2 Offsite GW
Project Number: 112G00622

Time 6/16/2011	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
10:35	NA	0	25.4					
11:00	NA	1250	—	15.02	5.59	0.182	>3999 Overrange	Brown Gray - Very Turbid. No Odor
11:30	NA	2750	—	17.34	6.34	0.064	3795	Light Brown Turbid. No Odor
12:00	NA	4500	—	15.37	6.32	0.038	1097	Light Brown Turbid.
6/17/11	8:40	Start air-lift development						
9:00	NA	760	—	16.81	5.43	0.092	3358	Light Brown Turbid, No Odor
9:30	NA	1900	—	16.88	5.63	0.038	909	Cloudy. No Odor
10:00	NA	3040	—	15.30	5.63	0.031	1518	Cloudy
10:30	NA	4100	—	17.92	5.54	0.031	722	Cloudy
11:00	NA	5300	—	16.69	5.54	0.026	93.4	Gray Tint
11:30	NA	6400	—	15.72	5.45	0.026	63.4	Gray Tint
12:00	NA	7500	—	16.11	5.40	0.027	668	Cloudy
6/18/11	8:20	Start air-lift development						
8:40	NA	340	—	19.05	4.93	0.083	607	Cloudy. No odor
9:00	NA	680	—	16.97	5.07	0.032	932	Light Brown Turbid
9:30	NA	1200	—	16.09	5.07	0.030	157	Gray Tint
10:00	NA	1650	—	15.17	5.12	0.028	140	Gray Tint
10:30	NA	2150	—	15.06	5.08	0.028	125	Slight Turbid

BPOW 1-5

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

AIR

Well: BPOW 1-5
Site: BETHPAGE OU2
Date Installed: 5/3/2011
Date Developed: 6/6/11 to 6/8/11
Dev. Method: AIR / PUMP
Pump Type: NA
Depth to Bottom (ft.): 655'
Static Water Level Before (ft.): 25.40
Static Water Level After (ft.): 13.15
Screen Length (ft.): 50'
Specific Capacity:
Casing ID (in.): 4" ID
Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

Time 6/8/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
10:50	NA	2450	—	15.56	5.09	0.028	126	Slight Turbid. No odor
11:20	NA	3000	—	15.19	5.15	0.027	121	Slight Turbid
		Total	Air Lift	Development		: 15,000 Gallons.		

BPOW 1-5
PUMP

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: BPOW1-5
Site: BETHPAGE OU 2
Date Installed: 5/3/2011
Date Developed: 6/14/11 to 6/15/11
Dev. Method: PUMP
Pump Type: 3" ø Submersible
Depth to Bottom (ft.): 655'
Static Water Level Before (ft.): 11.75'
Static Water Level After (ft.): 11.42'
Screen Length (ft.): 50'
Specific Capacity: 0.5'DD @ 17 GPM
Casing ID (in.): 4" ØID
Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
6/14/11								
11:10	NA	0	11.75					pump at 600 feet (TOC)
11:20	NA	165	12.53	13.15	5.27	0.030	55.6	Gray Tint, No Odor
11:40	NA	500	12.53	12.71	5.19	0.029	30.8	Light Gray Tint
12:00	NA	840	12.52	12.60	5.11	0.029	25.3	Slight Tint
12:20	NA	1180	12.48	12.54	5.04	0.029	22.8	Slight Tint
12:50	NA	1670	12.45	12.85	5.04	0.028	21.9	Slight Tint
13:10	NA	2020	12.40	13.22	5.13	0.028	19.6	Slight Tint
13:40	NA	2500	12.33	13.17	5.18	0.027	18.8	Slight Tint
14:10	NA	3030	12.24	13.29	5.23	0.027	18.2	Slight Tint
6/15/11								
8:50	NA	0	11.72					pump at 625 feet (TOC)
9:10	NA	400	12.43	13.22	4.95	0.098	27.9	Light Gray Tint. No Odor
9:30	NA	760	12.45	12.98	4.98	0.032	24.4	Slight Tint
9:50	NA	1090	12.45	12.77	4.97	0.028	21.0	Slight Tint
10:10	NA	1440	12.45	12.84	5.09	0.027	17.3	Slight Tint
10:30	NA	1780	12.45	12.95	5.14	0.028	17.8	Slight Tint
10:50	NA	2120	12.45	13.12	5.19	0.027	16.2	Slight Tint
11:10	NA	2460	12.42	13.32	5.26	0.027	14.3	Clear – Slight Tint
11:30	NA	2800	12.40	13.28	5.27	0.027	15.4	Clear – Slight Tint

BPOW 1-5

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

PUMP

Well: BPOW1-5
Site: BETHPAGE OU 2
Date Installed: 5/3/2011
Date Developed: 6/14/11 to 6/15/11
Dev. Method: PUMP
Pump Type: 3" Ø Submersible

Depth to Bottom (ft.): 655'
Static Water Level Before (ft.): 11.75
Static Water Level After (ft.): 11.42
Screen Length (ft.): 50'
Specific Capacity: 0.5' DD @ 17 GPM
Casing ID (in.): 4" ØID

Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

Time 6/15/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
11:50	NA	3140	12.35	13.20	5.28	0.027	13.5	clear – slight Tint
12:10	NA	3480	12.34	13.27	5.27	0.027	13.6	clear – slight Tint
12:30	NA	3820	12.32	13.34	5.31	0.027	14.7	clear – slight Tint
12:50	NA	4170	12.28	13.41	5.31	0.027	12.1	Clear
13:10	NA	4520	12.26	13.85	5.25	0.027	11.6	Clear
13:30	NA	4860	12.24	13.52	5.23	0.027	12.7	Clear
13:50	NA	5200	12.22	13.56	5.22	0.027	11.8	Clear
		Total	pump Development:			8230 Gallons.		
		BP-BPOW1-5-061511	was collected			for VOCs	analysis. Sampling Time: 13:50	

BPOW 1-6

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

AIR

Well: BPOW 1-6 | Depth to Bottom (ft.): 755' | Responsible Personnel: Xuejun Chen
Site: BETHPAGE OU 2 | Static Water Level Before (ft.): 19.41 | Drilling Co.: Delta
Date Installed: 4/14/2011 | Static Water Level After (ft.): 14.10 | Project Name: Bethpage OU-2 Offsite GW
Date Developed: 6/2/11 to 6/6/11 | Screen Length (ft.): 50' | Project Number: 112G00622
Dev. Method: AIR / PUMP | Specific Capacity:
Pump Type: NA | Casing ID (in.): 4" ID

Time 6/2/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
12:50	NA	0	19.41					
13:20	NA	1370	—	18.67	5.36	0.094	141	Cloudy, No odor
13:50	NA	2730	—	17.98	4.90	0.043	785	Light Brown, No odor
14:20	NA	4100	—	17.13	4.91	0.034	64.9	Light Gray Tint
14:40	NA	5000	—	16.45	4.70	0.031	61.0	Light Gray Tint
6/3/11	9:10	Start	Air-lift	development				
9:40	NA	1500	—	14.19	5.20	0.088	>3999	Brown Gray-Very Turbid
10:00	NA	2500	—	14.05	5.05	0.041	44.2	Tint
10:30	NA	4000	—	13.62	5.05	0.031	1899	Light Brown Turbid
11:00	NA	5500	—	14.98	5.50	0.031	113	Light cloudy
11:30	NA	7000	—	18.36	5.30	0.031	24.4	clear
12:00	NA	8000	—	15.39	5.81	0.027	22.6	Clear, Stop at 12:00
12:50	NA	8400	—	15.52	5.68	0.026	129	Cloudy, Restart at 12:30
13:00	NA	8600	—	16.64	5.66	0.027	106.8	Cloudy
6/6/11	8:30	Start	Air-lift	development		water level 13.10 ft Toc		
8:50	NA	700	—	16.23	4.84	0.090	2383	Light Brown Turbid
9:10	NA	1400	—	14.95	5.05	0.033	130	cloudy
9:30	NA	2100	—	16.03	5.15	0.031	69.2	Light Gray Tint

BPOW 1-6

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

AIR

Well: BPOW 1-6
Site: BETHPAGE OU-2
Date Installed: 4/14/2011
Date Developed: 6/2/11 to 6/6/11
Dev. Method: AIR / PUMP
Pump Type: NA

Depth to Bottom (ft.): 755'
Static Water Level Before (ft.): 19.41
Static Water Level After (ft.): 14.10
Screen Length (ft.): 50'
Specific Capacity:
Casing ID (in.): 4" ID

Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

NOTES:
AIR-LINE PE TUBING @ 250 ft TOC.

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
9:50	NA	2800	—	16.92	5.24	0.030	34.80	Tint (light Gray)
10:10	NA	3500	—	14.79	5.34	0.026	15.3	clear
		Total	Air lift development: 17000 gallons.					

BPOW 1-6
PUMP

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: BPOW 1-6
Site: BETHPAGE OU2
Date Installed: 4/12/2011
Date Developed: 6/13/11 to 6/14/11
Dev. Method: PUMP
Pump Type: 3"Ø Submersible
Depth to Bottom (ft.): 755
Static Water Level Before (ft.): 12.08
Static Water Level After (ft.): 12.25
Screen Length (ft.): 50'
Specific Capacity: 1.55' DD @ 16.7 GPM
Casing ID (in.): 4"ØID
Responsible Personnel: Xuejun Chen
Drilling Co.: **Delta**
Project Name: **Bethpage OU-2 Offsite GW**
Project Number: **112G00622**

Time 6/13/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
10:35	NA	0	12.08					PUMP at 700' TOC
10:40	NA	100	13.60	14.73	4.79	0.052	456	Cloudy (Tan) No odor
11:00	NA	400	13.64	13.85	4.70	0.030	91.8	Gray Tint
11:30	NA	870	13.65	14.15	4.75	0.029	54.0	Light Gray Tint
11:50	NA	1200	13.64	13.87	4.76	0.028	16.3	Clear
12:10	NA	1510	13.64	13.80	4.80	0.028	15.3	clear
12:30	NA	1820	13.60	13.79	4.78	0.028	12.3	clear
12:50	NA	2140	13.50	13.73	4.79	0.027	18.0	clear
13:10	NA	2500	13.45	13.69	4.81	0.027	9.42	Clear
13:20	NA	2560	13.35					13:20 pump at 725' TOC
13:30	NA	2710	13.40	13.80	4.85	0.027	52.9	Light Gray Tint
13:50	NA	3010	13.35	13.76	4.85	0.027	22.6	Tint
14:10	NA	3340	13.31	13.43	4.83	0.027	13.0	clear
14:40	NA	3870	13.30	13.90	4.91	0.027	9.98	clear
6/14/11	Start	pump development at	8:40 . Water	Level 12.06	TOC.			
8:50	NA	180	13.58	13.85	4.75	0.110	35.3	Slight Gray Tint
9:10	NA	500	13.60	13.01	4.84	0.034	23.3	Slight Tint
9:30	NA	820	13.62	12.78	4.66	0.027	13.0	Clear

BPOW 1-6

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

PUMP

Well: BPOW 1-6 | Depth to Bottom (ft.): 755 | Responsible Personnel: Xuejun Chen
Site: BETHPAGE OU2 | Static Water Level Before (ft.): 12.08 | Drilling Co.: **Delta**
Date Installed: 4/12/2011 | Static Water Level After (ft.): 12.25 | Project Name: **Bethpage OU-2 Offsite GW**
Date Developed: 6/13/11 to 6/14/11 | Screen Length (ft.): 50' | Project Number: **112G00622**
Dev. Method: Pump | Specific Capacity: 1.55' DD @ 16.7 GPM
Pump Type: 3"ϕ Submersible | Casing ID (in.): 4"ϕ ID

Time 6/14/11	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
9:50	NA	1150	13.63	12.90	4.62	0.027	10.66	Clear
10:10	NA	1510	13.63	12.89	4.63	0.027	8.31	Clear
		Total	pump Development	: 5380	Gallons.			
		BP-BPOW	1-6-061411	was collected	for VOCs	Analysis.		Sampling Time: 10:10

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/14/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-6-061411	SDG No.:	c2729
Lab Sample ID:	C2729-01	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041568.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.29	U	0.29	1	ug/L
74-87-3	Chloromethane	0.33	U	0.33	1	ug/L
75-01-4	Vinyl Chloride	0.35	U	0.35	1	ug/L
74-83-9	Bromomethane	0.36	U	0.36	1	ug/L
75-00-3	Chloroethane	0.21	U	0.21	1	ug/L
75-69-4	Trichlorofluoromethane	0.39	U	0.39	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1	ug/L
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1	ug/L
67-64-1	Acetone	1	U	1	5	ug/L
75-15-0	Carbon Disulfide	0.35	U	0.35	1	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.41	U	0.41	1	ug/L
79-20-9	Methyl Acetate	0.41	U	0.41	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.39	U	0.39	1	ug/L
75-34-3	1,1-Dichloroethane	0.24	U	0.24	1	ug/L
110-82-7	Cyclohexane	0.28	U	0.28	1	ug/L
78-93-3	2-Butanone	1	U	1	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	1	ug/L
67-66-3	Chloroform	0.19	U	0.19	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.3	U	0.3	1	ug/L
108-87-2	Methylcyclohexane	0.36	U	0.36	1	ug/L
71-43-2	Benzene	0.26	U	0.26	1	ug/L
107-06-2	1,2-Dichloroethane	0.18	U	0.18	1	ug/L
79-01-6	Trichloroethene	0.36	U	0.36	1	ug/L
78-87-5	1,2-Dichloropropane	0.21	U	0.21	1	ug/L
75-27-4	Bromodichloromethane	0.47	U	0.47	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	5	ug/L
108-88-3	Toluene	0.17	U	0.17	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.4	U	0.4	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/14/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-6-061411	SDG No.:	c2729
Lab Sample ID:	C2729-01	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041568.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	1	ug/L
591-78-6	2-Hexanone	1	U	1	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.32	U	0.32	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	1	ug/L
108-90-7	Chlorobenzene	0.26	U	0.26	1	ug/L
100-41-4	Ethyl Benzene	0.26	U	0.26	1	ug/L
179601-23-1	m/p-Xylenes	0.35	U	0.35	2	ug/L
95-47-6	o-Xylene	0.22	U	0.22	1	ug/L
100-42-5	Styrene	0.23	U	0.23	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.11	U	0.11	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	0.46	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	0.37	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	0.22	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.8		50 - 169	93%	SPK: 30
2037-26-5	Toluene-d8	31		66 - 137	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.1		56 - 143	90%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	77456	3.4			
540-36-3	1,4-Difluorobenzene	356948	4.6			
3114-55-4	Chlorobenzene-d5	284831	7.95			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/15/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-5-061511	SDG No.:	c2729
Lab Sample ID:	C2729-02	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041569.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.29	U	0.29	1	ug/L
74-87-3	Chloromethane	0.33	U	0.33	1	ug/L
75-01-4	Vinyl Chloride	0.35	U	0.35	1	ug/L
74-83-9	Bromomethane	0.36	U	0.36	1	ug/L
75-00-3	Chloroethane	0.21	U	0.21	1	ug/L
75-69-4	Trichlorofluoromethane	0.39	U	0.39	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1	ug/L
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1	ug/L
67-64-1	Acetone	1	U	1	5	ug/L
75-15-0	Carbon Disulfide	0.35	U	0.35	1	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.41	U	0.41	1	ug/L
79-20-9	Methyl Acetate	0.41	U	0.41	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.39	U	0.39	1	ug/L
75-34-3	1,1-Dichloroethane	0.24	U	0.24	1	ug/L
110-82-7	Cyclohexane	0.28	U	0.28	1	ug/L
78-93-3	2-Butanone	1	U	1	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	1	ug/L
67-66-3	Chloroform	0.19	U	0.19	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.3	U	0.3	1	ug/L
108-87-2	Methylcyclohexane	0.36	U	0.36	1	ug/L
71-43-2	Benzene	0.26	U	0.26	1	ug/L
107-06-2	1,2-Dichloroethane	0.18	U	0.18	1	ug/L
79-01-6	Trichloroethene	0.36	U	0.36	1	ug/L
78-87-5	1,2-Dichloropropane	0.21	U	0.21	1	ug/L
75-27-4	Bromodichloromethane	0.47	U	0.47	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	5	ug/L
108-88-3	Toluene	0.17	U	0.17	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.4	U	0.4	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/15/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-5-061511	SDG No.:	c2729
Lab Sample ID:	C2729-02	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041569.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	1	ug/L
591-78-6	2-Hexanone	1	U	1	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.32	U	0.32	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	1	ug/L
108-90-7	Chlorobenzene	0.26	U	0.26	1	ug/L
100-41-4	Ethyl Benzene	0.26	U	0.26	1	ug/L
179601-23-1	m/p-Xylenes	0.35	U	0.35	2	ug/L
95-47-6	o-Xylene	0.22	U	0.22	1	ug/L
100-42-5	Styrene	0.23	U	0.23	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.11	U	0.11	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	0.46	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	0.37	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	0.22	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28		50 - 169	93%	SPK: 30
2037-26-5	Toluene-d8	31.9		66 - 137	106%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.5		56 - 143	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	75753	3.4			
540-36-3	1,4-Difluorobenzene	342956	4.6			
3114-55-4	Chlorobenzene-d5	253094	7.95			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/16/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-4-061611	SDG No.:	c2729
Lab Sample ID:	C2729-03	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041570.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.29	U	0.29	1	ug/L
74-87-3	Chloromethane	0.33	U	0.33	1	ug/L
75-01-4	Vinyl Chloride	0.35	U	0.35	1	ug/L
74-83-9	Bromomethane	0.36	U	0.36	1	ug/L
75-00-3	Chloroethane	0.21	U	0.21	1	ug/L
75-69-4	Trichlorofluoromethane	0.39	U	0.39	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1	ug/L
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1	ug/L
67-64-1	Acetone	1	U	1	5	ug/L
75-15-0	Carbon Disulfide	0.35	U	0.35	1	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.41	U	0.41	1	ug/L
79-20-9	Methyl Acetate	0.41	U	0.41	1	ug/L
75-09-2	Methylene Chloride	0.2	U	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.39	U	0.39	1	ug/L
75-34-3	1,1-Dichloroethane	0.24	U	0.24	1	ug/L
110-82-7	Cyclohexane	0.28	U	0.28	1	ug/L
78-93-3	2-Butanone	1	U	1	5	ug/L
56-23-5	Carbon Tetrachloride	0.2	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	1	ug/L
67-66-3	Chloroform	0.19	U	0.19	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.3	U	0.3	1	ug/L
108-87-2	Methylcyclohexane	0.36	U	0.36	1	ug/L
71-43-2	Benzene	0.26	U	0.26	1	ug/L
107-06-2	1,2-Dichloroethane	0.18	U	0.18	1	ug/L
79-01-6	Trichloroethene	0.36	U	0.36	1	ug/L
78-87-5	1,2-Dichloropropane	0.21	U	0.21	1	ug/L
75-27-4	Bromodichloromethane	0.47	U	0.47	1	ug/L
108-10-1	4-Methyl-2-Pentanone	1	U	1	5	ug/L
108-88-3	Toluene	0.17	U	0.17	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.4	U	0.4	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/16/11
Project:	Bethpage CTO-066	Date Received:	06/17/11
Client Sample ID:	BP-BP0W1-4-061611	SDG No.:	c2729
Lab Sample ID:	C2729-03	Matrix:	WATER
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041570.D	1		06/18/11	VH061711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	1	ug/L
591-78-6	2-Hexanone	1	U	1	5	ug/L
124-48-1	Dibromochloromethane	0.2	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.32	U	0.32	1	ug/L
127-18-4	Tetrachloroethene	0.2	U	0.2	1	ug/L
108-90-7	Chlorobenzene	0.26	U	0.26	1	ug/L
100-41-4	Ethyl Benzene	0.26	U	0.26	1	ug/L
179601-23-1	m/p-Xylenes	0.35	U	0.35	2	ug/L
95-47-6	o-Xylene	0.22	U	0.22	1	ug/L
100-42-5	Styrene	0.23	U	0.23	1	ug/L
75-25-2	Bromoform	0.2	U	0.2	1	ug/L
98-82-8	Isopropylbenzene	0.11	U	0.11	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	0.46	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	0.37	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	0.22	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	U	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		50 - 169	102%	SPK: 30
2037-26-5	Toluene-d8	31.9		66 - 137	106%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.5		56 - 143	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	71586	3.4			
540-36-3	1,4-Difluorobenzene	343916	4.6			
3114-55-4	Chlorobenzene-d5	271935	7.95			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0106-081011	SDG No.:	C3348
Lab Sample ID:	C3348-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036698.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	1	ug/L
67-64-1	Acetone	2.5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	1	ug/L
71-43-2	Benzene	0.5	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	5	ug/L
108-88-3	Toluene	0.5	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0106-081011	SDG No.:	C3348
Lab Sample ID:	C3348-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036698.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	1	ug/L
100-42-5	Styrene	0.5	U	0.36	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		85 - 115	111%	SPK: 50
2037-26-5	Toluene-d8	53.7		85 - 120	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		75 - 120	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	731267	3.92			
540-36-3	1,4-Difluorobenzene	1054650	4.73			
3114-55-4	Chlorobenzene-d5	1069620	9.69			
3855-82-1	1,4-Dichlorobenzene-d4	494819	13.4			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0105-081011	SDG No.:	C3348
Lab Sample ID:	C3348-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036699.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	1	ug/L
67-64-1	Acetone	2.5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	1	ug/L
71-43-2	Benzene	0.5	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	5	ug/L
108-88-3	Toluene	0.5	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0105-081011	SDG No.:	C3348
Lab Sample ID:	C3348-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036699.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	1	ug/L
100-42-5	Styrene	0.5	U	0.36	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		85 - 115	109%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 120	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54		75 - 120	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	731297	3.91			
540-36-3	1,4-Difluorobenzene	1076580	4.73			
3114-55-4	Chlorobenzene-d5	1065570	9.69			
3855-82-1	1,4-Dichlorobenzene-d4	494828	13.39			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0104-081011	SDG No.:	C3348
Lab Sample ID:	C3348-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036700.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	1	ug/L
67-64-1	Acetone	2.5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	1	ug/L
71-43-2	Benzene	0.5	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	5	ug/L
108-88-3	Toluene	0.5	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/10/11
Project:	Bethpage CTO-066	Date Received:	08/12/11
Client Sample ID:	BPOW-0104-081011	SDG No.:	C3348
Lab Sample ID:	C3348-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG036700.D	1		08/17/11	VG081611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	1	ug/L
100-42-5	Styrene	0.5	U	0.36	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		70 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	56.1		85 - 115	112%	SPK: 50
2037-26-5	Toluene-d8	52.6		85 - 120	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		75 - 120	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	729282	3.92			
540-36-3	1,4-Difluorobenzene	1057910	4.73			
3114-55-4	Chlorobenzene-d5	1065510	9.69			
3855-82-1	1,4-Dichlorobenzene-d4	496672	13.39			

C 2729

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER No 028452 | PAGE 1 OF 1

PROJECT NO: 112G00622	FACILITY: BETHPAGE OU2 CTO 066	PROJECT MANAGER David Brayack	PHONE NUMBER 757 461 3824	LABORATORY NAME AND CONTACT: CHEMTECH / HUMMLER
SAMPLERS (SIGNATURE) L Chen		FIELD OPERATIONS LEADER Stanley Conti	PHONE NUMBER 412 551 2629	ADDRESS 284 SHEFFIELD STREET
		CARRIER/WAYBILL NUMBER FED EX # 8735 5966 0233		CITY, STATE MOUNTAINSIDE, NJ 07092

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2011	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	TYPE OF ANALYSIS: VOCs EPA (40mL) HCL 4°C	VOCs EPA624 (40mL) HCL 4°C	PH (4 OZ) 4°C	COMMENTS
		BLACK							G G G				
									PRESERVATIVE USED				
6/14/11	10:10	BP-BPOW1-6-061411	BPOW1-6	—	—	GW	G	2	2				
6/15/11	13:50	BP-BPOW1-5-061511	BPOW1-5	—	—	GW	G	2	2				
6/16/11	13:10	BP-BPOW1-4-061611	BPOW1-4	—	—	GW	G	2	2				
6/16/11	8:15	OU2-FRAC2-061611	FRAC2	—	—	GW	G	3		(2)	1		FRAC2 - GREEN BPOW1-4, BPOW1-5 BPOW1-6 DEV WATER
													SEND RESULTS TO D. BRAYACK.
										(2)	24 HR TAT		

1. RELINQUISHED BY S Conti	DATE 6/16/2011	TIME 15:30	1. RECEIVED BY FED EX	DATE	TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY FedEx	DATE 6-17-11	TIME 930	3. RECEIVED BY	DATE 6-17-11	TIME 930

COMMENTS USE TB BP-VPB-TB-06131 1

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

Temp 5°C

4/02R FORM NO. TtNUS-001

C 3348

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 27300 | PAGE ____ OF ____

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112600622	Bethpage OU2	Dave Brayack	757 461-3824	Chem Tech Kurt Hummler
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Stan Conti	PHONE NUMBER: 412-551-2629	ADDRESS: 284 Sheffield Street
		CARRIER/WAYBILL NUMBER		CITY, STATE: Mountainside, NJ 07092

STANDARD TAT ☐ RUSH TAT ☐ ☐ 24 hr. ☐ 48 hr. ☑ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2011	TIME	SAMPLE ID (72 Hour Fax Results)	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G): G	PRESERVATIVE USED: HCl	TYPE OF ANALYSIS: VOCs (40 ml)	COMMENTS
8/4	14:00	BPOW-0303-080411-FD	BPOW 3-03	—	—	GW	G	2	2			
8/10	11:30	BPOW-0106-081011	BPOW 1-06	—	—	GW	G	2	2			
8/10	13:00	BPOW-0105-081011	BPOW 1-05	—	—	GW	G	2	2			
8/10	14:22	BPOW-0104-081011	BPOW 1-04	—	—	GW	G	2	2			
8/11	10:36	BPOW-0303-081111	BPOW 3-03	—	—	GW	G	2	2			
8/11	12:05	BPOW-0304-081111	BPOW 3-04	—	—	GW	G	2	2			
8/11	12:05	BPOW-0304-081111-MS	BPOW 3-04	—	—	GW	G	2	2			
8/11	12:05	BPOW-0304-081111-MSD	BPOW 3-04	—	—	GW	G	2	2			
8/11	—	BPOW-Dup-081111	—	—	—	GW	G	2	2			
8/10	08:00	TB-081011	—	—	—	GW	G	2	2			

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	8/11/2011	16:00	1. RECEIVED BY: Fedex Express AB# 8735 6012 1270	8/11/2011	16:00
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY: Fed Ex	DATE 8/12/11	TIME 9:15	3. RECEIVED BY: Kurt Hummler	DATE 8/12/11	TIME 9:15

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **D. BRAYACK** **DATE:** **AUGUST 25, 2011**

FROM: **MICHELLE L. ALLEN** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP), BETHPAGE
CTO 066
SAMPLE DELIVERY GROUP (SDG) C2729

SAMPLES: 4/Aqueous/VOC

BP-BP0W1-4-061611 BP-BP0W1-5-061511 BP-BP0W1-6-061411
OU2-FRAC2-061611

Overview

The sample set for NWIRP Bethpage, SDG C2729 consisted of four (4) aqueous environmental samples. All four (4) aqueous samples were analyzed for volatile organic compounds (VOC). No field duplicate sample pair was associated with this sample data group (SDG).

The samples were collected by Tetra Tech on June 14, 15 and 16, 2011 and analyzed by Chemtech. All analyses were conducted in accordance with EPA Method 624 and SW-846 9045C analytical and reporting protocols. The data contained in this SDG was validated with regard to the following parameters:

- Data Completeness
* • Hold Times
* • GC/MS System Tuning and Performance
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Results
* • Laboratory Control Sample/Laboratory Control Sample Duplicate Results
* • Compound Identification
* • Compound Quantitation
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

Volatile (VOC)

No issues were noted.

pH

The pH data for sample OU2-FRAC2-061611 was missing from the data validation package. The laboratory was contacted and forwarded the necessary information.

Additional Comments

The Region II worksheets for SW846-8260B were used in the data validation because there are not regional worksheets specific to EPA Method 624.

Non-detected results are reported to the Limit of Detection (LOD).

EXECUTIVE SUMMARY

Laboratory Performance Issues: pH data were missing from the data package.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the SOP #HW-24 Revision #2, USEPA Region II Hazardous Waste Support Branch Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B (August 2008), EPA Method 624, SW846 9045C, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

TetraTech NUS
Michelle L. Allen
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Data Validation Forms
4. Appendix D - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00622	NSAMPLE	BP-BP0W1-4-061611			BP-BP0W1-5-061511			BP-BP0W1-6-061411			OU2-FRAC2-061611		
SDG: C2729	LAB_ID	C2729-03			C2729-02			C2729-01			C2729-04		
FRACTION: OV	SAMP_DATE	6/16/2011			6/15/2011			6/14/2011			6/16/2011		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-TETRACHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
2-BUTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
2-HEXANONE		2.5	U		2.5	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
ACETONE		2.5	U		2.5	U		2.5	U		2.5	U	
BENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOFORM		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON DISULFIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROFORM		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
ETHYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	BP-BP0W1-4-061611			BP-BP0W1-5-061511			BP-BP0W1-6-061411			OU2-FRAC2-061611		
SDG: C2729	LAB_ID	C2729-03			C2729-02			C2729-01			C2729-04		
FRACTION: OV	SAMP_DATE	6/16/2011			6/15/2011			6/14/2011			6/16/2011		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
M+P-XYLENES		1	U		1	U		1	U		1	U	
METHYL ACETATE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
O-XYLENE		0.5	U		0.5	U		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TOLUENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622	NSAMPLE	OU2-FRAC2-061611		
SDG: C2729	LAB_ID	C2729-04		
FRACTION: MISC	SAMP_DATE	6/16/2011		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	S.U.		
	PCT_SOLIDS	100.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
PH		5.53		

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **D. BRAYACK** **DATE:** **SEPTEMBER 20, 2011**

FROM: **A. COGNETTI** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
NWIRP BETHPAGE CTO WE 066
SAMPLE DELIVERY GROUP (SDG) – C3348

SAMPLES: 8/Aqueous/VOC

BPOW-0104-081011	BPOW-0105-081011	BPOW-0106-081011
BPOW-0203-080411PD	BPOW-0303-081111	BPOW-0304-081111
BPOW-DUP-081111	TB-081011	

Overview

The sample set for NWIRP Bethpage, CTO WE 066, SDG C3348 consists of seven (7) environmental aqueous samples and a trip blank analyzed for volatile organic compounds (VOCs). The field duplicate pair contained within this SDG is BPOW-0303-081111/ BPOW-DUP-081111.

The samples were collected on August 4, 10, and 11, 2011 by Tetra Tech and analyzed by Chemtech. VOC analyses were conducted in accordance with EPA Method SW-846 8260B. The data contained in this SDG were validated with regard to the following parameters:

*	• Data completeness
*	• Holding times
*	• GC/MS Tuning
	• Initial/continuing calibrations
*	• Laboratory Method Blank Results
*	• Surrogate Recoveries
	• Matrix Spike / Matrix Spike Duplicate Recoveries
*	• Laboratory Control Sample Recoveries
*	• Internal Standard Recoveries
*	• Compound Quantitation
*	• Compound Identification
*	• Field Duplicate Precision
*	• Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

VOC

The continuing calibration percent differences (%Ds) for dichlorodifluoromethane and cis-1,3-dichloropropene exceeded the 20% quality control limit on August 16, 2011 @ 19:40 on instrument MSVOA G. The percent drifts (% drifts) for acetone, 2-butanone, 1,1,1-trichloroethane and carbon tetrachloride exceeded the 20% quality control limit. The nondetected dichlorodifluoromethane, cis-1,3-dichloropropene, acetone, 2-butanone, 1,1,1-trichloroethane and carbon tetrachloride results were qualified as estimated (UJ) in the affected samples BPOW-0104-081011, BPOW-0105-081011, BPOW-0106-081011, BPOW-0203-080411PD, BPOW-0303-081111, BPOW-DUP-081111 and TB-081011.

The continuing calibration %Ds for dichlorodifluoromethane and methyl acetate exceeded the 20% quality control limit on August 17, 2011 @ 12:05 on instrument MSVOA E. The nondetected dichlorodifluoromethane and methyl acetate results were qualified as estimated (UJ) in the affected sample BPOW-0304-081111.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries (%Rs) for bromoform were less than the lower quality control limit in sample BPOW-0304-081111. The nondetected bromoform result in sample BPOW-0304-081111 was qualified as estimated (UJ).

Additional Comments

The MSD %R of 2-hexanone was greater than the upper quality control limit in sample BPOW-0304-081111. No action was taken on the nondetected 2-hexanone result.

The laboratory control sample (LCS) %R of dichlorodifluoromethane was greater than the upper quality control limit in batch BSE0817W1. No action was taken on the nondetected dichlorodifluoromethane results.

Trip blank contained the common laboratory contaminant, methylene chloride at a concentration of 5 ug/L. No action was taken on the nondetected methylene chloride results in the affected samples.

Nondetected results are reported to the limit of detection (LOD).

Positive results below the Reporting Limit (RL) and above the detection limit were qualified as estimated, (J), due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Continuing calibration %Ds or % drifts exceeded quality control limits resulting in the qualification of data.

Other Factors Affecting Data Quality: MS/MSD %Rs of bromoform were outside quality control limits in sample BPOW-0304-081111. Trip blank contained methylene chloride.

TO: D. Brayack
FROM: A. Cognetti
SDG: C3348
DATE: September 20, 2011
PAGE: 3

The data for these analyses were reviewed with reference to SOP # HW-24 Revision #2, August 2008, USEPA Region II Hazardous Waste Support Branch Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846/8260B, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", April 2009. The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Data Validation Forms
4. Appendix D - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00622	NSAMPLE	BPOW-0104-081011			BPOW-0105-081011			BPOW-0106-081011			BPOW-0203-080411PD		
SDG: C3348	LAB_ID	C3348-04			C3348-03			C3348-02			C3348-01		
FRACTION: OV	SAMP_DATE	8/10/2011			8/10/2011			8/10/2011			8/4/2011		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
1,1,2,2-TETRACHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
2-BUTANONE		2.5	UJ	C	2.5	UJ	C	2.5	UJ	C	2.5	UJ	C
2-HEXANONE		2.5	U		2.5	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
ACETONE		2.5	UJ	C	2.5	UJ	C	2.5	UJ	C	2.5	UJ	C
BENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOFORM		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON DISULFIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
CHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROFORM		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,3-DICHLOROPROPENE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
ETHYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	

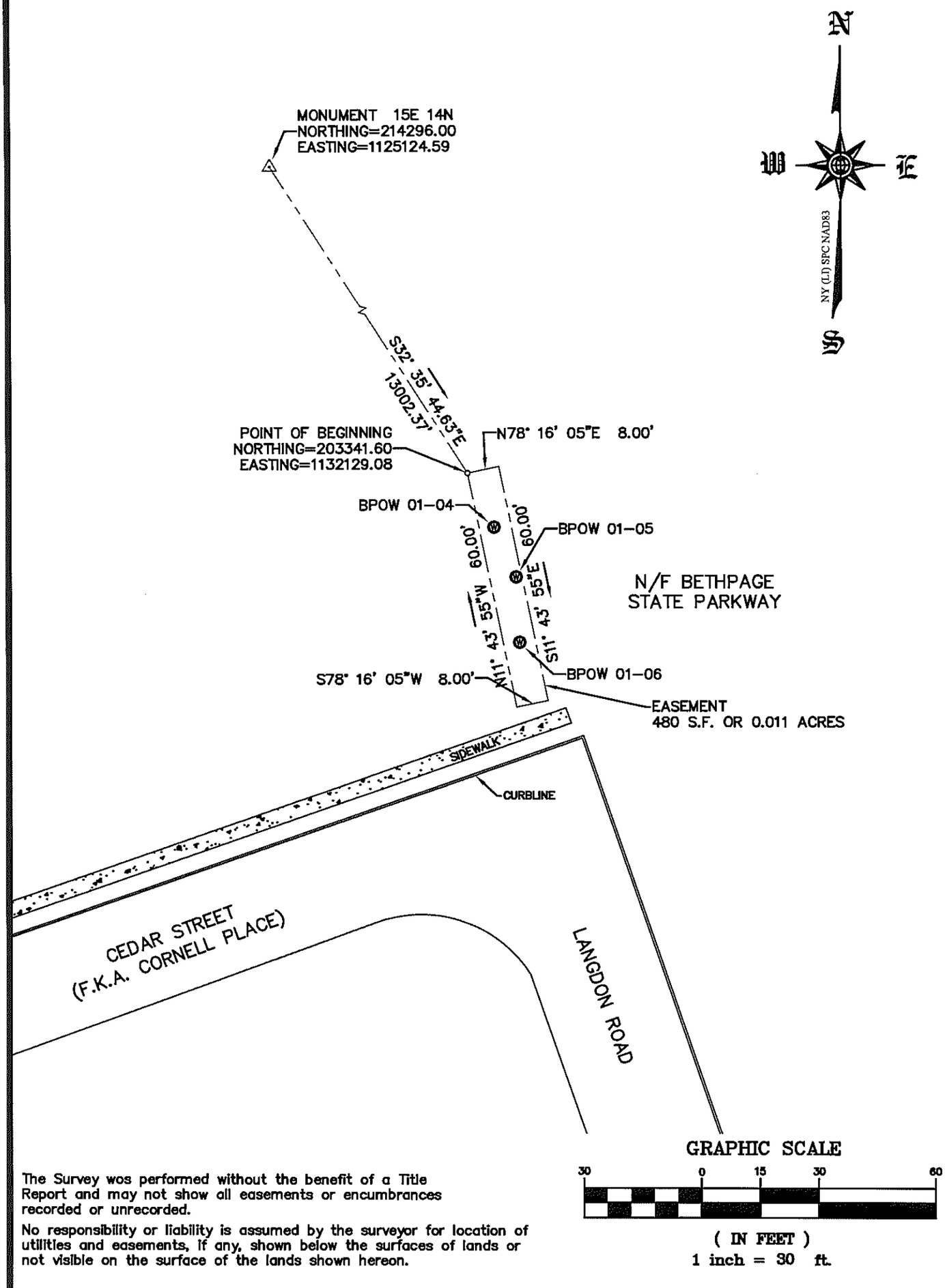
PROJ_NO: 00622	NSAMPLE	BPOW-0303-081111			BPOW-0304-081111			BPOW-DUP-081111			TB-081011		
SDG: C3348	LAB_ID	C3348-05			C3348-06			C3348-09			C3348-10		
FRACTION: OV	SAMP_DATE	8/11/2011			8/11/2011			8/11/2011			8/10/2011		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF							BPOW-0303-081111					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		0.5	UJ	C	0.5	U		0.5	UJ	C	0.5	UJ	C
1,1,2,2-TETRACHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-TRICHLOROETHANE		0.5	U		0.51	J	P	0.5	U		0.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-TRICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DIBROMOETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-DICHLOROPROPANE		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-DICHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
2-BUTANONE		2.5	UJ	C	2.5	U		2.5	UJ	C	2.5	UJ	C
2-HEXANONE		2.5	U		2.5	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		2.5	U		2.5	U		2.5	U		2.5	U	
ACETONE		2.5	UJ	C	2.5	U		2.5	UJ	C	2.5	UJ	C
BENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMODICHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOFORM		0.5	U		0.5	UJ	D	0.5	U		0.5	U	
BROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON DISULFIDE		0.5	U		0.5	U		0.5	U		0.5	U	
CARBON TETRACHLORIDE		0.5	UJ	C	2.1			0.5	UJ	C	0.5	UJ	C
CHLOROBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLORODIBROMOMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CHLOROFORM		0.5	U		1.3			0.5	U		0.5	U	
CHLOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
CIS-1,2-DICHLOROETHENE		0.5	U		0.61	J	P	0.5	U		0.5	U	
CIS-1,3-DICHLOROPROPENE		0.5	UJ	C	0.5	U		0.5	UJ	C	0.5	UJ	C
CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
DICHLORODIFLUOROMETHANE		0.5	UJ	C	0.5	UJ	C	0.5	UJ	C	0.5	UJ	C
ETHYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
ISOPROPYLBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622 SDG: C3348 FRACTION: OV MEDIA: WATER	NSAMPLE	BPOW-0104-081011			BPOW-0105-081011			BPOW-0106-081011			BPOW-0203-080411PD		
	LAB_ID	C3348-04			C3348-03			C3348-02			C3348-01		
	SAMP_DATE	8/10/2011			8/10/2011			8/10/2011			8/4/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
M+P-XYLENES		1	U		1	U		1	U		1	U	
METHYL ACETATE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	
O-XYLENE		0.5	U		0.5	U		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TOLUENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 00622 SDG: C3348 FRACTION: OV MEDIA: WATER	NSAMPLE	BPOW-0303-081111			BPOW-0304-081111			BPOW-DUP-081111			TB-081011		
	LAB_ID	C3348-05			C3348-06			C3348-09			C3348-10		
	SAMP_DATE	8/11/2011			8/11/2011			8/11/2011			8/10/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF							BPOW-0303-081111					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
M+P-XYLENES		1	U		1	U		1	U		1	U	
METHYL ACETATE		0.5	U		0.5	UJ	C	0.5	U		0.5	U	
METHYL CYCLOHEXANE		0.5	U		0.5	U		0.5	U		0.5	U	
METHYL TERT-BUTYL ETHER		0.5	U		0.5	U		0.5	U		0.5	U	
METHYLENE CHLORIDE		0.5	U		0.5	U		0.5	U		5		
O-XYLENE		0.5	U		0.5	U		0.5	U		0.5	U	
STYRENE		0.5	U		0.5	U		0.5	U		0.5	U	
TETRACHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TOLUENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,2-DICHLOROETHENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRANS-1,3-DICHLOROPROPENE		0.5	U		0.5	U		0.5	U		0.5	U	
TRICHLOROETHENE		0.5	U		39			0.5	U		0.5	U	
TRICHLOROFLUOROMETHANE		0.5	U		0.5	U		0.5	U		0.5	U	
VINYL CHLORIDE		0.5	U		0.5	U		0.5	U		0.5	U	

Section 10

Survey



GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

1 inch = 30 ft.

The Survey wos performed without the benefit of a Title Report and may not show all easements or encumbrances recorded or unrecorded.

No responsibility or liability is assumed by the surveyor for location of utilities and easements, if any, shown below the surfaces of lands or not visible on the surface of the lands shown hereon.

BANC 3, INC., P.C.

Consulting Engineers

300 ALEXANDER PARK, SUITE 350
PRINCETON, NEW JERSEY 08540
PHONE:(609) 759-1900 ~ FAX:(609) 919-9022

NWIRP BETHPAGE

8' X 60' WELL EASEMENT

N/F BETHPAGE STATE PARKWAY

FARMINGDALE, TOWN OF OYSTER BAY

NASSAU COUNTY, NEW YORK

PROJECT MANAGER: TM	DRAWN: SDS	CHECKED: TM	
DATE: 06/15/12	SCALE: 1"= 30'	PROJECT NO.: 2000215-04	

STATE OF NEW YORK · THOMAS F. MILLER · LICENSED LAND SURVEYOR

Thomas F. Miller

NEW YORK PROFESSIONAL LAND SURVEYOR LICENSE No. 050484

BETHPAGE, NY APRIL 19, 2012
OFF SITE WELL LOCATIONS

PT #	GRID NORTHING (US FT)	GRID EASTING (US FT)	ELEV (US FT)	CODE / DESCRIPTION
15E14N	214296.002	1125124.594	122.84	GPS MON
1	214063.933	1123668.505	123.38	CIP / CONTROL POINT
LOCATION 1				
1646	202008.734	1132151.643	59.86	BPOW 01-01
1647	202008.660	1132151.890	60.33	GROUND
1645	202009.697	1132173.169	59.68	BPOW 01-02
1644	202009.511	1132173.728	60.22	GROUND
1642	202010.024	1132189.152	59.78	BPOW 01-03
1643	202010.056	1132189.669	60.25	GROUND
LOCATION 2				
1635	203327.989	1132135.673	44.54	BPOW 01-04
1634	203327.055	1132136.182	45.23	GROUND
1636	203315.538	1132141.261	44.61	BPOW 01-05
1633	203315.420	1132140.204	45.35	GROUND
1637	203299.025	1132142.003	44.92	BPOW 01-06
1632	203299.653	1132141.729	45.43	GROUND