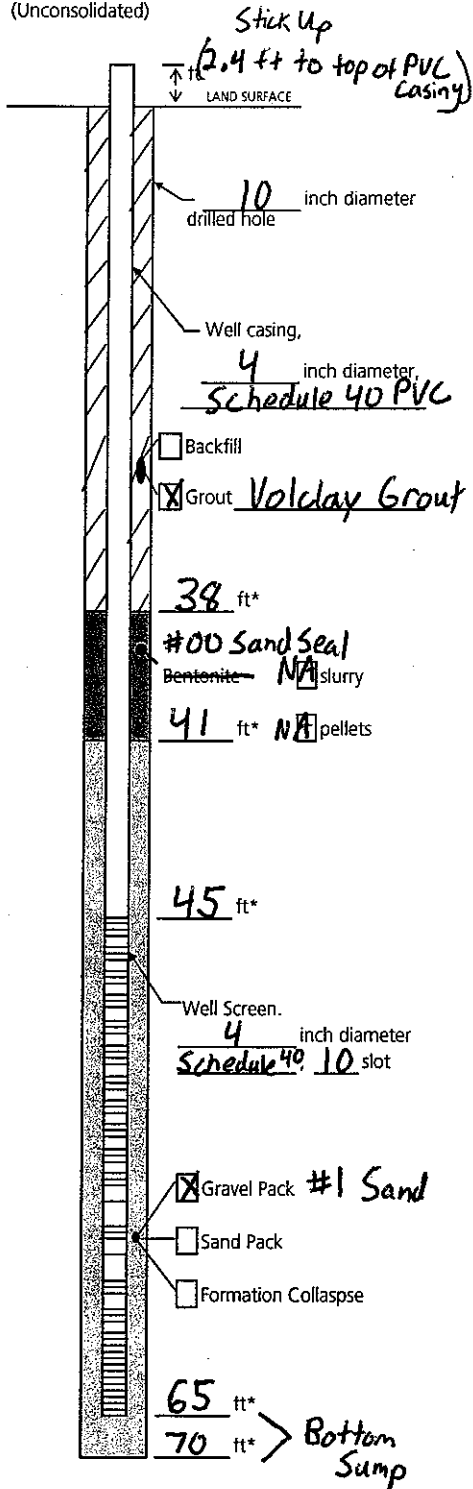


**Well Construction Log**

(Unconsolidated)



Project NGC-OU-3 Well BCP-MW 4-1  
 Town/City Bethpage  
 County Nassau State NY  
 Permit No. N/A N-13656

Land-Surface Elevation and Datum:  
~~Not Measured~~ 128.71 feet  Surveyed  
 (TOC)  Estimated

Installation Date(s) 08/10/06  
 Drilling Method Hollow Stem Auger  
 Drilling Contractor Delta Well + Pump  
 Drilling Fluid Potable Water

Development Technique(s) and Date(s)  
Pumping + Surging (See Well Development Log) for details. 08/14/06 - 08/15/06

Fluid Loss During Drilling 500 gallons  
 Water Removed During Development 1200 gallons  
 Static Depth to Water 54.55 feet below M.P.  
 Pumping Depth to Water 59.30 feet below M.P.  
 Pumping Duration 2.5\* hours \* brief breaks for surging  
 Yield 5 gpm Date 08/15/06  
 Specific Capacity 1 gpm/ft

Well Purpose Monitoring Well

Remarks None

Prepared by John Corral

Measuring Point is Top of Well Casing Unless Otherwise Noted.  
 \* Depth Below Land Surface

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Well Development Form

Page 1 of 4

Project/No. NY001348.0806.06002 Well B.C.P. MW 4-1

Date 08/14/06

Screen Setting (s) 65-45

Casing / Screen Diameter (inches) 4

Static Water Level 54.55 (Land) Measuring Point Description Land Surface

Well Materials  PVC  ST. Steel

Total depth 70 Pump On: See Time Column

Pump Intake: See Pumping Screen Depth Column

Purge Pump: - Pump Off: See Time Column

Volumes Purged: See Gallons Purged Column

Horsepower: - Sample Time: NA

Sampled By: John Corry

Discharge Capacity: 30 gpm Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW (Land Surface)	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
1:05	-	30	59.8	-	-	-	-	-	64	-	Pump breaking section lowered to 64
1:10	.5	30	59.5	15	-	-	-	-	69	-	Pump breaking section
1:30	1	5	-	30	7200	173	5.88	20.5	69	-	
1:35	6	5	-	55	40.7	166.7	5.87	17.8	69	-	
1:40	11	5	60.5	80	314	169.4	5.97	17.4	69	-	
1:45	16	5	60.18	105	302.8	175.1	5.87	17.8	69	-	
1:50	21	5	60.26	130	16.4	179.9	5.93	17.8	69	-	
1:55	26	5	-	155	17.4	181.7	5.99	16.6	69	-	→ Brought to 64 ft + surge
2:00	26	5	-	155	252	189.5	5.92	17.6	69	-	
2:05	31	5	60.15	180	632.5	184.4	5.97	17.7	69	-	
2:10	36	5	60.28	205	162.7	190.3	5.97	17.8	69	-	
2:15	41	5	60.30	230	13.7	190.3	5.91	17.0	69	-	→ Brought to 64 ft + surge
2:20	41	5	-	230	155	233	5.91	17.1	69	-	
2:25	46	5	60.66	255	35.5	191.2	5.95	16.7	69	-	
2:30	51	5	60.69	280	15.7	196.2	5.93	17.6	69	-	→ Brought to 62 ft + surge
2:35	51	5	-	280	7200	225	5.93	17.0	69	-	
2:40	56	5	60.2	305	41.9	193.6	5.88	16.9	69	-	
2:45	61	5	60.30	330	32.5	194.4	5.89	17.1	69	-	
2:50	66	5	60.00	355	17.6	195.7	5.88	17.1	69	-	
2:55	66	5	-	355	7200	224	5.92	17.2	69	-	→ Brought to water table 54 ft and surge through all bottom screen zones
3:00	71	5	59.2	380	47.3	197.7	5.93	17.3	69	-	
3:05	76	5	59.28	405	28.4	195.3	5.89	16.9	69	-	
3:10	81	5	59.30	430	15.5	196.8	5.87	16.9	69	-	

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Well Development Form

Page 2 of 4

Project/No. NY001348.0806.00002 Well BCP-MW-1

Date 08/14/06

Screen Setting (s) 65-45

Casing / Screen Diameter (inches) 4

Static Water Level 54.55 (land surface) Measuring Point Description Land Surface

Well Materials  PVC  ST. Steel

Total depth 70 Pump On: See Time Column

Pump Intake: See Pumping Screen Depth Column

Purge Pump: Pump Off: See Time Column

Volumes Purged: See Gallons Purged Column

Horsepower: Sample Time: NA

Sampled By: John Corral

Discharge Capacity: 30 gpm Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
											→ Brought to water table and surged through all bottom screen zones
3:15	81	S	-	430	2200	196.3	5.96	17.0	69		
3:20	86	S	58.65	455	74.8	195.7	5.95	17.0	69		
3:25	91	S	58.95	480	25.2	196.5	5.94	17.2	66		
											→ Raised Pump to 64ft
3:25	91	S	NA*	480	2200	197.0	5.93	16.8	64ft		
3:30	96	S	NA	505	18.3	198.4	5.93	17.3	64		
											→ Surged 64ft zone
3:35	96	S	NA	505	>200	235	5.89	17.3	64		
3:40	101	S	NA	530	48.0	225	5.93	16.9	64		
3:45	106	S	NA	555	31.1	223	5.96	17.3	64		
											→ Surged 64ft zone
3:45	106	S	NA	580	>200	239	5.92	17.0	64		
3:50	111	S	NA	605	112	228	5.91	16.8	64		
3:55	116	S	NA	630	43.6	224	5.97	17.6	64		
4:00	121	S	NA	655	24.3	229	5.89	16.7	64		
											→ lowered rate to 2 gal a min at 64 ft zone
4:05	121	2	NA	665	27.8	275	5.87	18.1	64		
4:10	126	2	NA	675	28.9	241	5.93	18.8	64		
											→ Raised to 62ft and surged
4:15	126	2	NA	675	>200	182.1	5.92	19.6	62		
4:20	131	2	NA	685	89	226	5.97	19.0	62		
4:25	136	2	NA	695	37.4	193.0	5.96	19.8	62		
4:30	141	2	NA	705	29.9	225	6.02	20.0	62		
											→ Raised to 59ft and surged
4:30	141	2	NA	705	56	172.7	5.93	18.8	59		
4:40	146	2	NA	715	>200	141.6	6.01	19.3	59		
											→ End Development Work For Day

NA\* - Pump is very near water table. Do not want m-s scope to become entangled with Pump

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Well Development Form

Page 3 of 4

Project/No. NY061348.0806.00002 Well BEP-MW 4-1

Date 08/16/06

Screen Setting (s) 65-45

Casing / Screen Diameter (inches) 4

Static Water Level 54.60 Measuring Point Description Land Surface

Well Materials  PVC  ST. Steel

Total depth 70 Pump On: See Time Column

Pump Intake: See Pumping Screen Depth

Purge Pump: Pump Off: See Time Column

Volumes Purged: See Gallons Purged Column

Horsepower: - Sample Time: NA

Sampled By: John Corral

Discharge Capacity: 30gpm Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
8:55	146	S	NA	715 <sup>710</sup>	>200	-	-	-	64	-	→ Set Pump at 64ft
9:00	151	S	NA	715 <sup>768</sup>	94.3	237	5.74	16.7	64	-	
9:05	156	S	NA	710 <sup>770</sup>	28.8	231	5.87	17.3	64	-	
9:10	161	S	NA	715 <sup>815</sup>	22.6	228	5.93	16.9	64	-	
9:15	166	S	NA	740 <sup>840</sup>	21.1	249	5.82	17.3	64	-	
9:20	171	S	NA	745 <sup>865</sup>	18.6	230	5.91	17.0	64	-	→ Surged 64ft zone
9:25	171	S	NA	745 <sup>865</sup>	200	248	5.80	17.2	64	-	
9:30	176	S	NA	745 <sup>880</sup>	42.2	229	5.83	17.2	64	-	
9:35	181	S	NA	915	19.2	225	5.78	16.8	64	-	→ Raised Pump to 62ft and surged, lowered rate to 2gpm so pump doesn't break suction
9:40	181	2	NA	915	200	185.8	5.83	17.0	62	-	
9:45	186	2	NA	925	88.4	224	5.93	18.2	62	-	
9:50	191	2	NA	935	36.0	230	5.84	17.5	62	-	
9:55	196	2	NA	945	22.8	226	5.81	17.6	62	-	→ Surged 62ft zone
10:00	196	2	NA	945	22.8	229	5.93	18.0	62	-	
10:05	201	2	NA	955	112	225	5.90	17.9	62	-	
10:10	206	2	NA	965	30.9	228	5.87	17.6	62	-	
10:15	211	2	NA	975	23.4	228	5.79	17.5	62	-	
10:20	216	2	NA	985	19.2	-	-	17.7	62	-	→ Raised Pump to 60ft and surged
10:25	216	2	NA	985	>200	176.5	5.94	18.1	60	-	
10:30	221	2	NA	995	52.7	225	5.75	17.5	60	-	
10:35	226	2	NA	1005	26.8	228	5.88	17.6	60	-	
10:40	231	2	NA	1015	20.8	226	5.80	17.7	60	-	→ Surged 60ft zone

**ARCADIS**

Well Development Form

Project/No. NY001348.0806.00002 Well Bcp-Mwt-1

Date 08/16/06

Screen Setting (s) 65-45 ft below land surface

Casing / Screen Diameter (inches) 4

Static Water Level 54.55 Measuring Point Description Land Surface

Well Materials  PVC  ST. Steel

Total depth 70 ft Pump On: See Time Column

Pump Intake: See Pumping Screen Depth Column

Purge Pump: Pump Off: See Time Column

Volumes Purged: See Gallons Purged Column

Horsepower: - Sample Time: NA

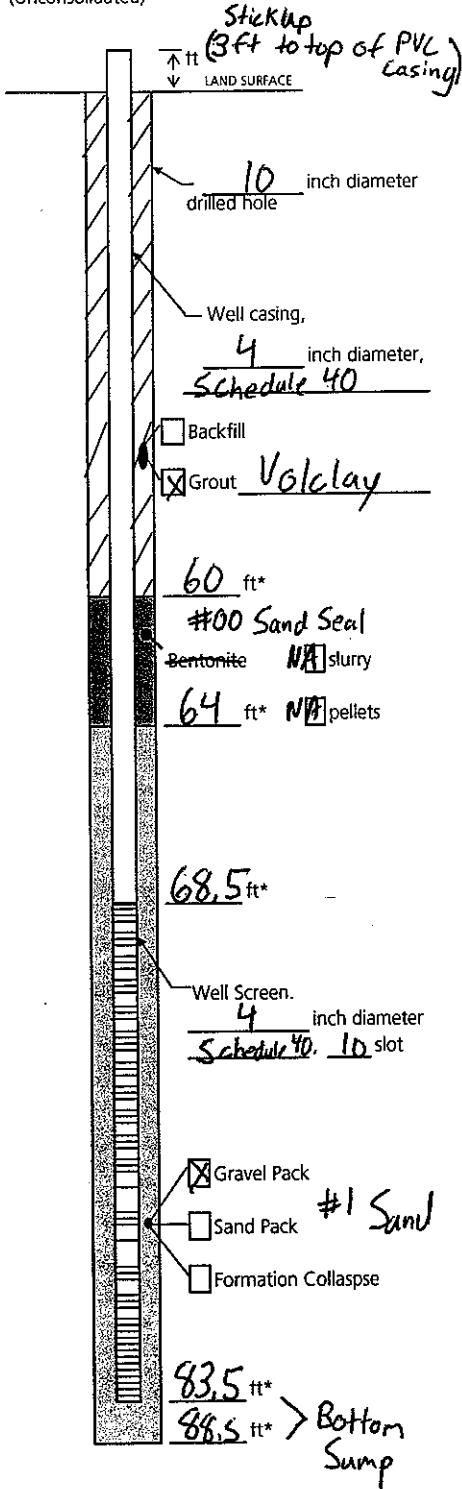
Sampled By: John Corryl

Discharge Capacity: 30 Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
10:45	221	2	NA	1015	2200	231	5.71	17.6	60	-	
10:50	236	2	NA	1025	813	228	5.77	17.7	60	-	
10:55	241	2	NA	1035	31.0	230	5.89	17.8	60	-	
11:05	262	2	NA	1045	31.6	229	5.72	17.6	60	-	
11:05	251	2	NA	1055	24.1	230	5.92	17.4	60	-	Raised Pump to 57 ft → Pulsed and Surged
11:10	251	2	NA	1055	115	160.9	5.77	17.4	57	-	
11:15	256	2	NA	1065	84.5	229	5.74	17.4	57	-	
11:20	261	2	NA	1075	29.4	230	5.79	17.5	57	-	
11:25	266	2	NA	1085	25.1	230	5.74	17.3	57	-	→ Surged 57ft zone
11:30	266	2	NA	1085	7200	229	5.80	17.9	57	-	
11:35	271	2	NA	1095	146	233	5.87	17.8	57	-	
11:40	276	2	NA	1105	37.8	227	5.82	17.5	57	-	
11:45	281	2	NA	1115	25.7	231	5.83	17.6	57	-	
11:50	286	2	NA	1125	22.5	229	5.80	-	57	-	
11:55	286	5	NA	1125	7200	242	5.66	16.1	69	-	Lowered Pump to 1ft above bottom of Slump (69ft) and ran pump
12:00	291	5	NA	1150	55.3	226	5.76	16.4	69	-	at 5 gpm
12:05	296	5	NA	1175	28.8	230	5.71	16.0	69	-	
12:10	301	5	NA	1200	22.8	227	5.72	16.5	69	-	

**Well Construction Log**

(Unconsolidated)



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project NGL-OU-3 Well BCP-MW4-2  
 Town/City Bethpage, NY  
 County Nassau State NY  
 Permit No. NA N-13657  
 Land-Surface Elevation and Datum:  
~~NA Measured~~ 129.33 feet  Surveyed  
 Estimated  
 Installation Date(s) 08/08/06 - 08/09/06  
 Drilling Method Hollow Stem Auger  
 Drilling Contractor Delta Well + Pump  
 Drilling Fluid Potable Water

Development Technique(s) and Date(s)

Pumping + Surging (See Well Development Log for Details) 08/11/06

Fluid Loss During Drilling 1000 gallons  
 Water Removed During Development 4550 gallons  
 Static Depth to Water 54.65 feet below M.P.  
 Pumping Depth to Water 57.75 feet below M.P.  
 Pumping Duration 3\* hours Brief Breaks for Surging  
 Yield 30\*\* gpm Date 08/11/06 \*\* Max capacity of pump  
 Specific Capacity 10 gpm/ft

Well Purpose Monitoring Well

Remarks None

Prepared by John Corral

ARCADIS

Well Development Form

Project/No. NY001348.0806.0001 Well BCP-MW-2 Date 08/11/06

Screen Setting (s) 68.5-82.5 Casing / Screen Diameter (inches) 4"

Static Water Level 56.18 (water) Measuring Point Description Top of Original Casing (1.5 ft above ground surface) Well Materials  PVC  ST. Steel

Total depth 88.5 Pump On: See Time Column Pump Intake: See Pumping Screen Depth Column

Purge Pump: Pump Off: See Time Column Volumes Purged: See Gallons Purged Column

Horsepower: Sample Time: NA Sampled By: John Corral

Discharge Capacity: 30gpm Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW (ft)	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
1:35	5	30gpm		0	2200	297	7.38	17.3	<del>83ft</del> 83ft		
1:40	10	30gpm	58.03	150g	48.6	328	<del>6.75</del> 6.75	16.4	83ft		
1:45	15	30gpm	59.85	300g	14.9	362	5.75 / 5.64	16.4	83ft		
1:50	20	30gpm	59.80	450g	22.7	382	5.66	16.6	83ft		
→ 1:55	20	30gpm	-	480g	>200	375	5.57	15.8	83ft		Surged 83ft zone with Pump
2:00	25	30gpm	59.60	600	13.2	370	5.62	16.4	83ft		
2:05	30	30gpm	-	750	10.8	389	5.63	16.3	83ft		
2:10	30	30gpm	-	900	>200	382	5.73	16.5	83ft		
2:15	35	30gpm	59.57	1050	38.7	391	<del>5.75</del> 5.75	16.6	83ft		
2:20	40	30gpm	59.66	1200	10.0	392	5.45 / 5.60	15.8	83ft		
2:25	40	30gpm	-	1200	>200	400	5.59	16.3	81ft		
2:30	45	30gpm	-	1350	15.5	345	5.65	16.7	81ft		
2:35	50	30gpm	59.55	1500	10.3	392	5.57	16.0	81ft		Surged 81ft
2:40	50	30gpm	-	1500	>200	391	5.62	15.7	81ft		
2:45	55	30gpm	59.39	1750	14.8	398	5.55	16.4	81ft		Surged 81ft
2:50	55	30gpm	-	1750	2200	393	5.56	16.2	81ft		
2:55	60	30gpm	59.30	1900	12.2	394	5.56	16.4	81ft		
3:00	65	30gpm	-	2050	21.08	384	5.64	-	81ft		
3:05	65	30gpm	-	2050	7200	384	5.62	-	79ft		
3:10	70	30gpm	-	2200	54.4	381	5.62	16.7	74ft		
3:15	75	30gpm	-	2350	21.4	386	5.65	-	79ft		Surged 79ft

ARCADIS

Well Development Form

Project/No. NY001348.0806.0002 Well BCP-MW4-2 Date 08/11/06

Screen Setting (s) 83.5-68.5 Casing / Screen Diameter (inches) 4"

Static Water Level 56.18 Measuring Point Description Top of Original Casing (1.5ft Above Ground Surface) Well Materials  PVC  ST. Steel

Total depth 88.5 Pump On: See Time Column Pump Intake: See Pumping Screen Depth Column

Purge Pump: Pump Off: See Time Column Volumes Purged: See Gallons Purged Column

Horsepower: - Sample Time: NA Sampled By: John Corral

Discharge Capacity: 30 gpm Bailer Type: NA

Time	Minutes Elapsed	Rate (gpm) (ML)	DTW (ft)	Gallons Purged	TURB (NTU's)	Cond. umhos ms/cm	pH	TEMP. (C) (F)	Pumping Screen Depth (ft bls)	Active Zone	REMARKS 3)
3:15	75	30		2350	7200	394	5.64	16.2	79 ft		
3:20	80	30		2500	19.4	406	5.59	15.7	79 ft		
3:25	85	30	59.2	2500	7200	402	5.66	15.9	77 ft		Pulled Pump Up to 77 ft
3:30	85	30	-	2900	7200	406	5.69	16.7	77 ft		Surged 77 ft
3:35	90	30	59.8	2900	21	402	5.68	16.3	77 ft		Pulled Up to 75 ft
3:40	95	30	-	2900	7200	399	5.86	15.7	75 ft		
3:45	100	30	59.3	3050	8.95	401	5.67	16.2	75 ft		Surged 75 ft
3:50	105	30	-	3050	7200	401	5.61	15.8	75 ft		
3:55	110	30	59.18	3200	10.5	408	5.56	15.3	75 ft		Pulled up to 73 ft
4:00	115	30	-	3200	7200	396	5.67	15.6	73 ft		
4:05	120	30	59.20	3350	24.3	404	5.68	15.5	73 ft		Surged 73 ft
4:10	125	30	-	3350	7200	403	5.66	15.8	73 ft		
4:15	130	30	59.20	3500	11.6	406	5.79	16.3	73 ft		Pulled up to 71 ft
4:20	135	30	-	3500	7200	392	5.72	16.1	71 ft		
4:25	140	30	59.17	3650	10.57	406	5.69	15.6	71 ft		Surged 71 ft
4:30	145	30	-	3800	7200	395	5.67	16.1	71 ft		
4:35	150	30	59.25	3950	22.5	407	5.63	15.4	71 ft		Pulled up to 69 ft





**Well Construction Log**  
(Unconsolidated)

NY001464.0907.00150

ARCADIS

Protective Stickup Casing  
(2.88 ft to Top  
of PVC casing)

Project Name and No. N-Gruman 0V3

Well BCP-HW4-3 Town/City Bethpage

County Nassau State NY

Permit No. N-13658

Land-Surface Elevation and Datum:  
129.20 feet  Surveyed

Estimated

Installation Date(s) 2/9/07

Drilling Method Hollow stem Auger

Drilling Contractor Delta Well & Pump

Drilling Fluid NONE

Development Technique(s) and Date(s)

Pump + Surge 2/19/07

Fluid Loss During Drilling 90 gallons

Water Removed During Development 1900 gallons

Static Depth to Water 54.75 (land surface before development) feet below M.P.\*\*

Pumping Depth to Water ~66 feet below M.P.\*\*

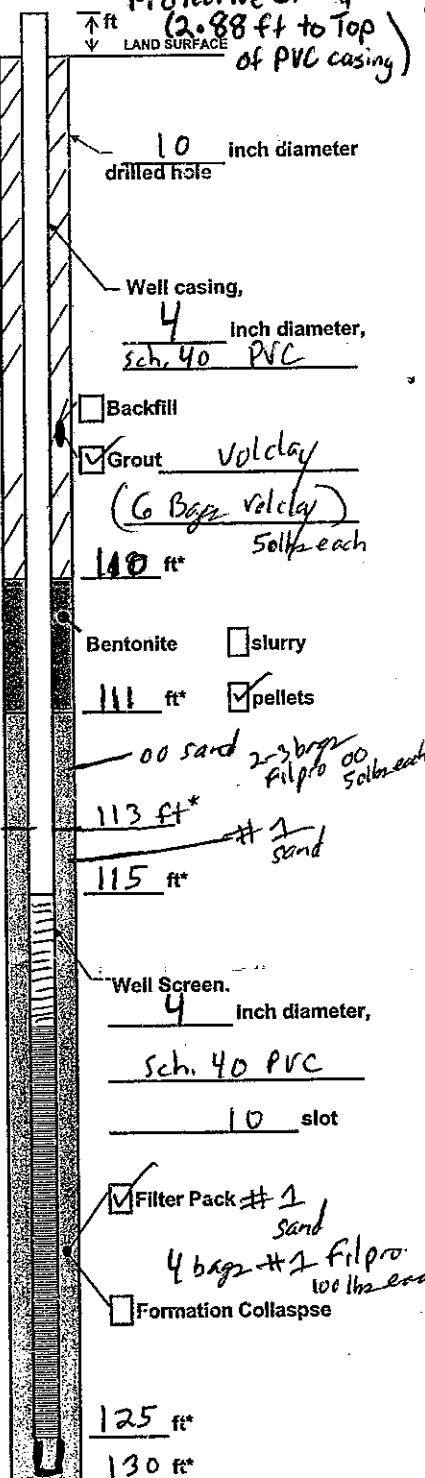
Pumping Duration 10 min intervals / 1.15 hours

Yield ~25 gpm Date 2/19/07

Specific Capacity 2.25 gpm/ft

Well Purpose Monitoring well

Remarks orange stickup casing to be installed.  
5' sump attached to screen. Screen set 115' to 125'  
#1 sand to 2' above screen, then 2' 00 sand.  
Approx 90 gal potable water used on well.



\* Depth Below Land Surface

\*\*Measuring Point is Top of Well Casing Unless Otherwise Noted.

Prepared by Prezorski

**ARCADIS**  
Well Development Log

Project/No.: NY001464.0807.00003

SCP - Well: MW-4-3

Date: 2/19/10

Developed By: John Corral

Casing Material: PVC

Static Water-Level: 54.75

Measuring Point: Land Surface

Casing Diameter: 4"

Before  
After - 54.40

Pump On: See Time Column Below

Total Gallons Removed: 1906

Total Depth: 129

Before

Purge Pump: 3" Submersible Pump

Pump Off: See Time Column Below

4 1/2 gal in well

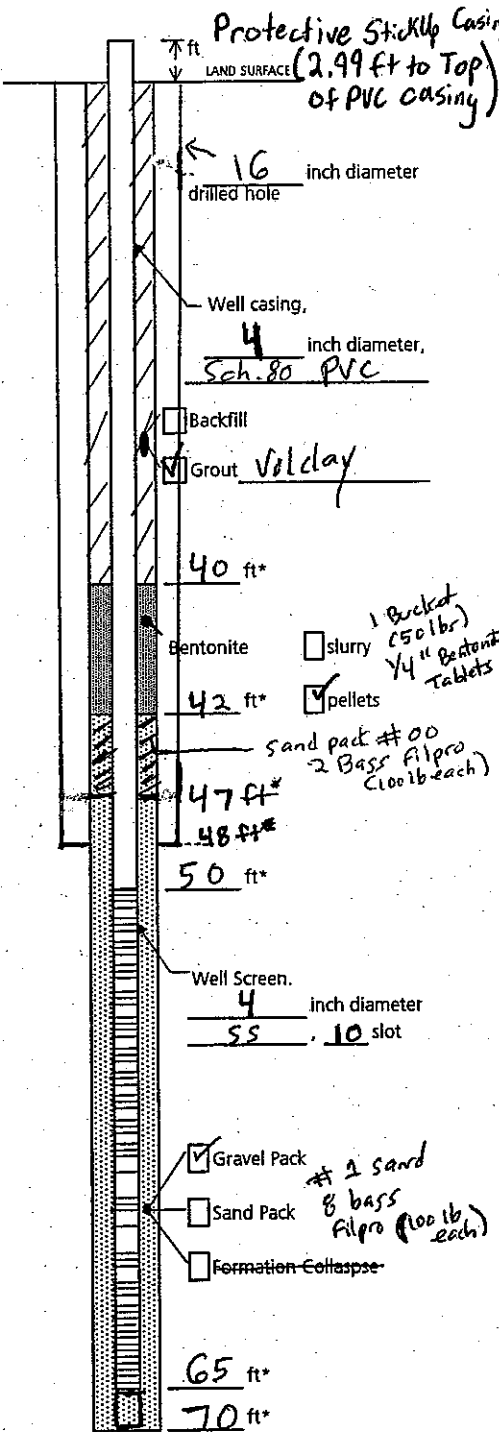
Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
10:10	~25	54.75	-	>200	295	6.58	11.6	Depth = Depth of Pump in Ft Depth 127
10:20	25	67	250	21	193	6.58	12.4	Depth 127
								Surge 10 x with 3" pump
10:25	~25	-	250	>200	271	6.48	13.1	Depth 127
10:30	~25	-	375	40	193	6.58	12.0	Depth 127
10:35	~25	66	500	17	187	6.47	12.4	Depth 127
						6.47		Surge 10 x with 3" pump
10:40	~25	-	500	>200	259	6.18	13.7	Depth 125
10:45	~25	64	625	33	184	6.12	13.5	Depth 125
10:50	~25	NA	750	18	185	5.87	13.4	Depth 125
								Surge 10 x with 3" pump
10:50	~25	-	750	>200	183	5.76	12.5	Depth 123
10:55	~25	64	875	25	184	5.73	13.0	Depth 123
								Surge 10 x with 3" pump
11:00	~25	-	875	>200	-	-	-	Depth 121
11:03	~25	-	1000	110	181	5.77	13.3	Depth 121
12:10	~25	54.51	1000	50	182	5.71	12.8	119 = Depth Surge
								Surge 10 x with 3" pump
12:15	~25	-	1125	>200	183	5.71	12.6	117 = Depth
12:20	~25	NA	1250	28	187	5.63	12.5	117 = Depth
								Surge 10 x with 3" pump
12:25	~25	-	1250	>200	186	5.59	13.5	115 = Depth
12:30	~25	-	1375	32	182	5.47	13.7	115 = Depth
12:35	~25	-	1500	19	146	6.52*	12.4	115 = Depth

\* Recalibrated pH meter



Well Construction Log

(Unconsolidated)



Project N-Groffman 003 Well BCP MW 5-1  
 Town/City Bethpage  
 County Nassau State NY  
 Permit No. N-13659  
 Land-Surface Elevation and Datum:  
129.37 (top, PVC) feet  Surveyed  
 Estimated  
 Installation Date(s) 12/5/06  
 Drilling Method HSA  
 Drilling Contractor Delta Well & Pump  
 Drilling Fluid NONE

Development Technique(s) and Date(s)  
Pump & Surge 12/8/06  
 Fluid Loss During Drilling — gallons  
 Water Removed During Development 825 gallons  
 Static Depth to Water 53.74 feet below M.P.  
 Pumping Depth to Water — feet below M.P.  
 Pumping Duration Approx 4 hours  
 Yield 2-4 gpm Date 12/8/06  
 Specific Capacity — gpm/ft

Well Purpose Monitoring Well

Remarks  
5' metal sump attached to screen  
Delta used 20-30 gal potable water on well  
Double cased well: outer casing to 48ft\*  
Orange stick-up casing to be installed

Prepared by Prezorski

Measuring Point is  
 Top of Well Casing  
 Unless Otherwise Noted.

\* Depth Below Land Surface

ARCADIS GERAGHTY & MILLER  
Well Development Log

N4001348.0806.00002

Page 1 of 2

Project/No.: N-Crumman 003

Well: BCP-HW-5-1

Date: 12/8/06

Developed By: Conrad Stuebel / Delta Well & Pump / Prezorski

Casing Material: PVC

Static Water Level: 53.74  
Before

Measuring Point: TOC

Casing Diameter: 4"

Static Water Level: 53.02  
After

Total depth: 69.40  
Before

Pump On: 9:48 AM

Total Gallons Removed: 825

Total depth: 69.80  
After

Purge Pump: Submersible

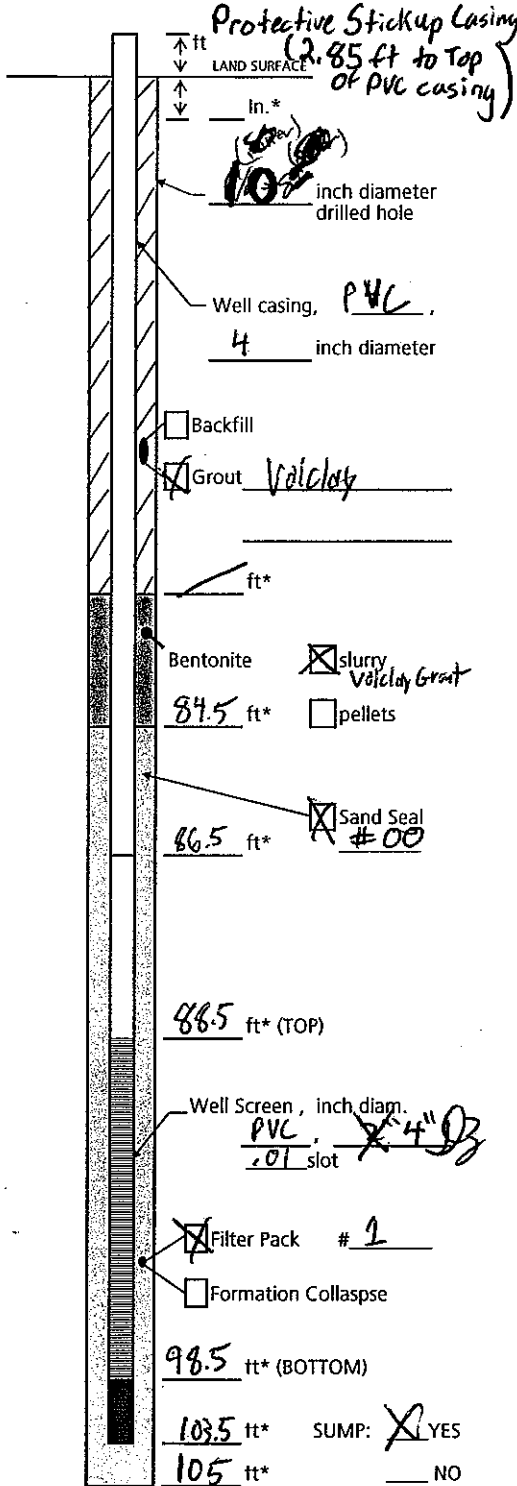
Pump Off: 1444

Time	Rate (gpm) (mb/min)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond. (umhos) (mc/cm)	pH (SI Units)	Temp (C)	Comments
9:48	2			*	625	7.29	11.6	Pump just off bottom, delta tries to set heaves out.
10:09	2			*	526	7.16	12.9	Rate same. Turbidity clearing.
10:19	<del>2</del>	57.00		-	-	-	-	Pump off, water stopped. Delta pulls pump to inspect.
10:30	2.5			*	451	7.53	11.6	Pump on. Water clears.
10:42	4	53.15		387	525	7.49	14.1	Delta varies rate
10:55			220	45	456	7.79	10.8	
10:58				25	-	7.79	10.8	Then surged
11:00				-	-	-	-	Water still clear, then turbid
11:08	Approx 2	55.32		1063	437	7.79	13.1	
11:17	Approx 2			504	422	7.95	12.9	
11:23		55.04		-	-	-	-	
11:25			247	291	443	7.82	14.0	
11:33				82	419	7.78	13.8	
11:52				64.6	435	7.57	14.6	
11:58				-	-	-	-	Pump off (Delta break)
12:50		53.13	Approx 330	544	415	7.57	14.4	Pump on. Prior, pump raised, (6')
13:05			Approx 390	285	427	7.52	14.2	Turbidity 28.5 NTU. Then surged.
13:12				857	439	7.72	14.9	
13:15				-	-	-	-	then surged.
13:21			Approx 440	-	-	-	-	Delta turns pump off then back on
13:24	4			342	403	7.17	14.3	
13:33		57.00		61.5	445	7.66	13.7	
13:36				-	-	-	-	Pump raised. No water. Delta lowers pump. Pump just off bottom.
13:44	4	56.78		219	462	7.44	12.2	
13:50	3		Approx 520	51.7	416	7.43	13.8	Then surged
13:55				313	448	7.02	14.2	
13:58				-	-	-	-	Surged by delta
14:00		58.72		-	-	-	-	

\* = over range



**Well Construction Log**  
(Unconsolidated)



Project Name and No. NGC-043 NY001464.0407.00003  
 Well BCP-MW6-1 Town/City Bethpage, NY  
 County Norfolk State NY  
 Permit No. N-13660

Land-Surface Elevation and Datum:  
126.01 feet  Surveyed  
 Estimated

Installation Date(s) 3/6/07 → 3/7/07

Drilling Method HSA

Drilling Contractor Delta

Drilling Fluid H<sub>2</sub>O

Development Technique(s) and Date(s)  
Pump & Surge 3/9/07

Fluid Loss During Drilling ≈ 300 gallons

Water Removed During Development ≈ 1000 gallons

Static Depth to Water 52.68' feet below M.P.\*\*

Pumping Depth to Water 83.70 feet below M.P.\*\*

Pumping Duration ≈ 4 hours

Yield ≈ 5 gpm Date 3/9/07

Specific Capacity — gpm/ft

Well Purpose Monitoring

Remarks None

\* Depth Below Land Surface

\*\*Measuring Point is Top of Well Casing Unless Otherwise Noted.

Prepared by D. Zuck & J. Cherlin



**ARCADIS**  
Well Development Log

Project/No.: M/00/464.0807.00/6W

Well: MW-6-1

Date: 3/9/07

Developed By: Scherlin

Casing Material: PVC

Static Water-Level: 52.68'  
Before

Measuring Point: TOC  
(stick-up x 1.45')

Casing Diameter: 4" D

Total Depth: 103.5' w/ sump  
Before (98.5' w/o sump)

Pump On: 9:25

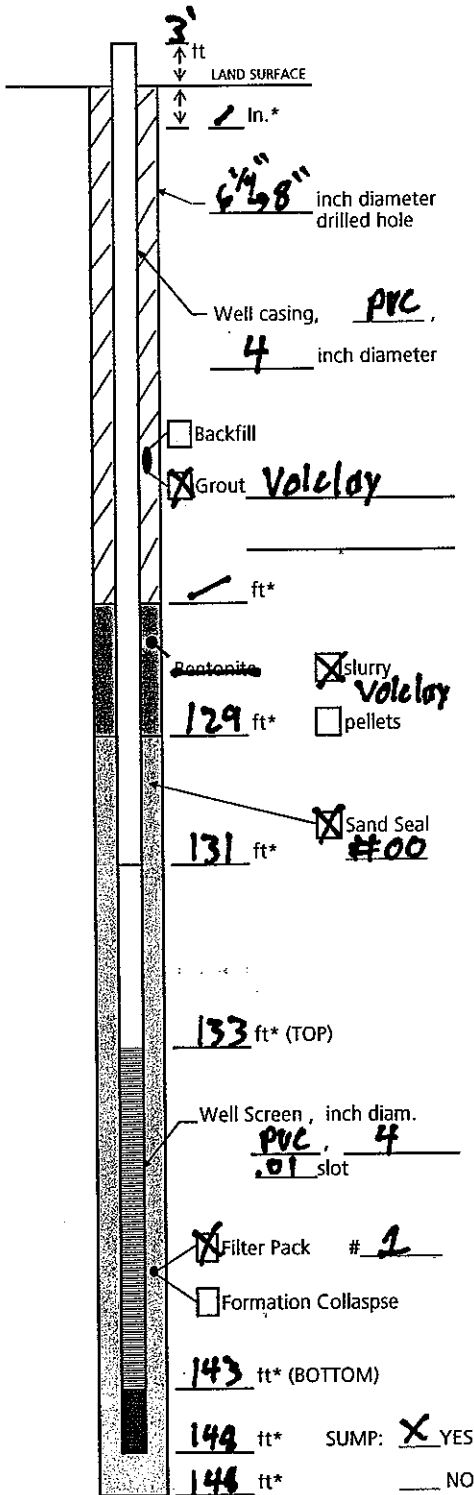
Total Gallons Removed: ~ 1000 G

Purge Pump: /

Pump Off: 13:25

Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
9:25	5	61.2	/	1133	327	7.45	13.8	~ 1' from bottom
9:40		64.2		455	377	6.82	12.6	
9:55		63.8		46.5	420	6.47	15.3	
clear. pump off. surge 5-10x								
10:10		61.45		9298	424	6.51	14.8	pump on. Raise ~ 5'
10:25		61.65		191	440	6.70	15.2	
10:55		61.65		28.8	464	6.68	16.3	clear. pump off
11:15		83.50		5338	<del>4888</del>	7.31	15.4	spec. cond = 267 (surged 5-10x) raise ~ 5'
11:35		83.40		273	472	6.81	15.2	
11:55		83.30		84.8	481	6.82	15.7	
12:05		83.32		28.4	483	6.81	15.4	
clear. pump off. surge 5-10x								
12:20		64.40		3098	465	6.82	14.1	pump on. same depth.
12:30		64.45		49	473	7.19	15.8	
clear. pump off. surge 5-10x								
12:45		83.5		3081	492	6.97	15.0	pump on. lower ~ 5'
12:55		83.7		7.79	482	6.90	14.7	
clear. pump off. surge 5-10x								
13:15		65.5		1131	451	6.91	14.6	pump on. lower ~ 5' (~ 2' from bottom).
13:20		65.5		49.3	488	6.96	15.7	
13:25			~ 1000					clear. pump off.

Well Construction Log  
(Unconsolidated)



Project Name and No. NGC-043 NY001464.0907.3

Well BCP-MV6-2 Town/City Bethpage

County Nassau State NY

Permit No. N-13661

Land-Surface Elevation and Datum:

124.81 NA feet  Surveyed

Estimated

Installation Date(s) 2/28/07 → 3/5/07

Drilling Method HSA

Drilling Contractor Delta

Drilling Fluid H<sub>2</sub>O

Development Technique(s) and Date(s)

Pump + Sarge 3/8/07

Fluid Loss During Drilling ≈ 500 gallons

Water Removed During Development ≈ 1015 gallons

Static Depth to Water 53.18' feet below M.P.\*\*

Pumping Depth to Water 55.02' feet below M.P.\*\*

Pumping Duration ≈ 2 hours

Yield ≈ 7 gpm Date 3/8/07

Specific Capacity ≈ 3.5 gpm/ft

Well Purpose Monitoring

Remarks Development #'s From J. Cherlin

\* Depth Below Land Surface

\*\*Measuring Point is Top of Well Casing Unless Otherwise Noted.

Prepared by D. Zuck

# ARCADIS Well Development Log

Project/No.: M001464.0807.0016W

Well: MW-G-2

Date: 3/8/07

Developed By: Scherlin

Casing Material: PVC

Static Water-Level: 53.18' b1s  
Before

Measuring Point: TOC  
(sticking up 1.95')

Casing Diameter: 4" ID

Total Depth: 148' w/ 5' sump  
Before (143' w/o sump)

Pump On: 10:15

Total Gallons Removed: 210156

Purge Pump: /

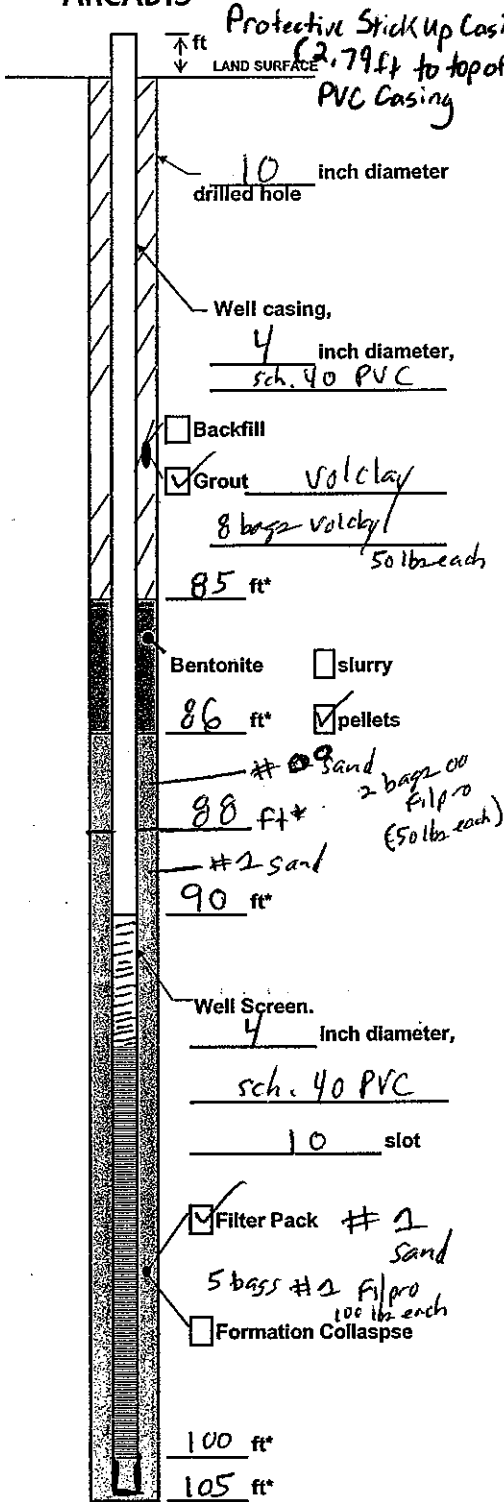
Pump Off: 12:35

Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
10:15	210	55'	/	1098	152.5	5.05	12.3	~ 1' from bottom (PID=0.2 ppm)
10:25	209	54.95		303	362	5.67	14.8	
10:45	207	54.35		43.4	378	5.073	14.2	
								Clear. surge (5-10x) pump off
11:00		54.90		24.7	375	5.88	13.6	pump on, pulled up ~5'
								clear. pump off (surge 5-10x)
11:10		54.85		122	128.8	6.36	13.7	pump on, pulled up ~8'
11:15		54.85		7636	369	5.74	12.0	
11:20		54.80		303	385	6.00	12.6	
11:35		54.75		33.4	376	5.79	14.2	clear. (surge 5-10x) pump off
								"
11:50		55.02		1688	392	5.92	12.1	pump on, same depth as before.
11:55		54.99		35.3	376	5.96	14.7	clear. surge (5-10x) pump off
								"
12:05		54.01		1502	388	5.78	12.5	pump on, lower ~5'.
12:10		54.50		50	382	5.69	11.9	
12:15								clear surge (5-10x) pump off
12:25		54.50		8643	360	5.97	14.7	pump on. (PID ~25' (22' off bottom))
12:30		54.50	4615	49	375	5.95	14.1	<del>clear. pump off</del>
								clear. pump off.

Well Construction Log  
(Unconsolidated)

NY001464.0907.00003

ARCADIS



Project Name and No. N-Grummer 003

Well BCP-MW7-1 Town/City Bethpage

County Nassau State NY

Permit No. N-13662

Land-Surface Elevation and Datum: 1024.81 feet

Surveyed  
 Estimated

Installation Date(s) 2/20/07

Drilling Method Hollow stem Auger

Drilling Contractor Delta Well & Pump

Drilling Fluid NONE

Development Technique(s) and Date(s)

Pump & surge 2/20/07

Fluid Loss During Drilling 120 gallons

Water Removed During Development 1000 gallons

Static Depth to Water 50.26 (Land Surface Prior to Development) feet below M.P.\*\*

Pumping Depth to Water 56 (Land Surface) feet below M.P.\*\*

Pumping Duration 10 to 15 min intervals / 1.5 total hours

Yield ~7 gpm Date 2/26/07

Specific Capacity 1.5 gpm/ft

Well Purpose Monitoring well

Remarks T.C.  
Orange stickup casing to be installed.  
5' sump attached to screen. Screen set 90-100' b/s.  
#2 sand to 2' above screen. Then 2' 00 sand  
Approx 120 gal potable water used on well

\* Depth Below Land Surface

\*\*Measuring Point Is Top of Well Casing Unless Otherwise Noted.

Prepared by Prezorski

# ARCADIS

## Well Development Log

Project/No.: NY001464.0807.00003

Well: BCP-MW-7-1

Date: 2/26/07

Developed By: John Corral

Casing Material: PVC

Static Water-Level: 50.26  
Before

Measuring Point: Land Surface

Casing Diameter: 4"

Total Depth: 100ft  
Before

Pump On: See Columns below

Total Gallons Removed: 1000

Purge Pump: 3" Submersible

Pump Off: See Columns below

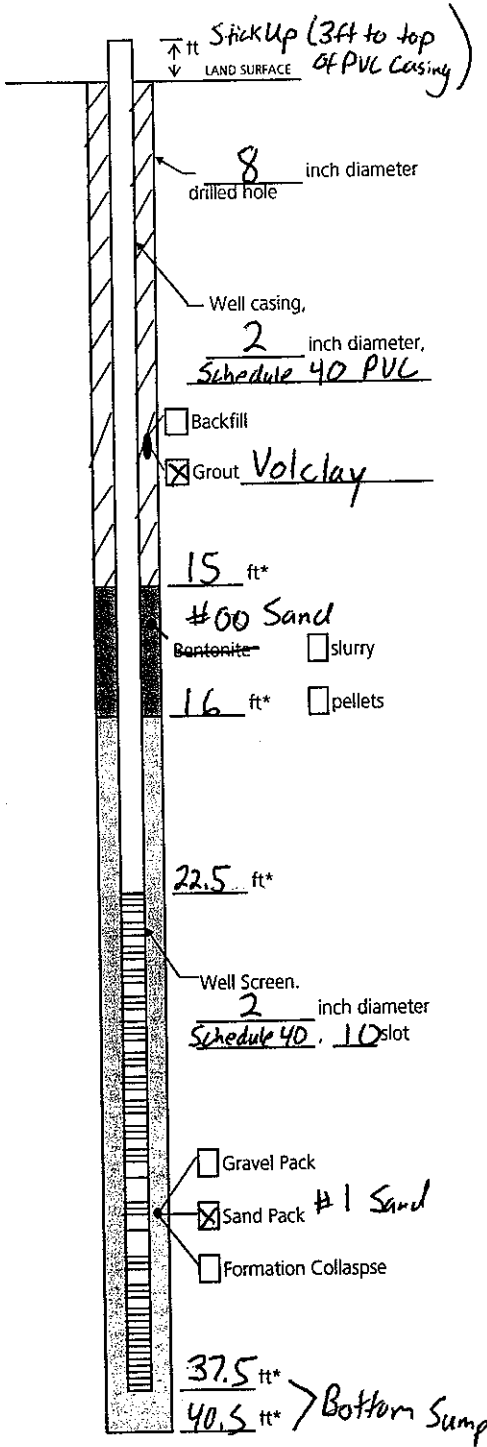
Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
12:20	~30	-		7200	350	5.30	13.5	Depth 97
12:30	~30	-		45	512	5.44	13.8	"
12:35	~30	92	500	17	500	5.53	14.3	"
								Surge 10x
12:40	~7	58	500	550	533	5.51	14.5	Depth 95
12:45	~7	-	535	75	520	5.60	12.3	"
								(Rate decreased to prevent pump down from breaking suction)
								Surge 10x
12:55	~7	56	535	>200	446	5.61	15.5	Depth 93
13:00	~7	-	570	130	500	5.61	15.6	"
13:05	~7	-	605	24	446	5.59	15.2	"
								Surge 10x
13:10	~7	56	605	>200	490	5.62	14.9	Depth 91
13:15	~7	56	640	130	500	5.58	15.0	"
13:20	~7	-	675	33	494	5.60	14.8	"
13:25	~7	-	710	18	496	5.64	14.1	Surge 10x
				18				Surge 10x
13:30	~7	-	710	>200	480	5.65	15.3	Depth 89
13:35	~7	-	745	160	497	5.66	15.1	"
13:40	~7	-	780	25	493	5.69	15.1	"
								Surge 10x
13:45	~7	-	786	>200	498	5.70	15.0	Depth 87
13:50	~7	-	815	90	494	5.68	15.0	"
13:55	~7	-	850	34	501	5.67	14.7	"

Surge 10x



**Well Construction Log**

(Unconsolidated)



Project NGL-011-3 Well E8-P2  
 Town/City Bethpage  
 County Nassau State NY  
 Permit No. NA N-13650  
 Land-Surface Elevation and Datum:  
112,79 feet  Surveyed  
 (ft)  Estimated  
 Installation Date(s) 06/02/06  
 Drilling Method Hollow Stem Augers  
 Drilling Contractor Delta Well + Pump  
 Drilling Fluid None

Development Technique(s) and Date(s)  
None

Fluid Loss During Drilling NA gallons  
 Water Removed During Development NA gallons  
 Static Depth to Water 27.4 feet below M.P. (Land Surface)  
 Pumping Depth to Water NA feet below M.P.  
 Pumping Duration NA hours  
 Yield NA gpm Date NA  
 Specific Capacity NA gpm/ft

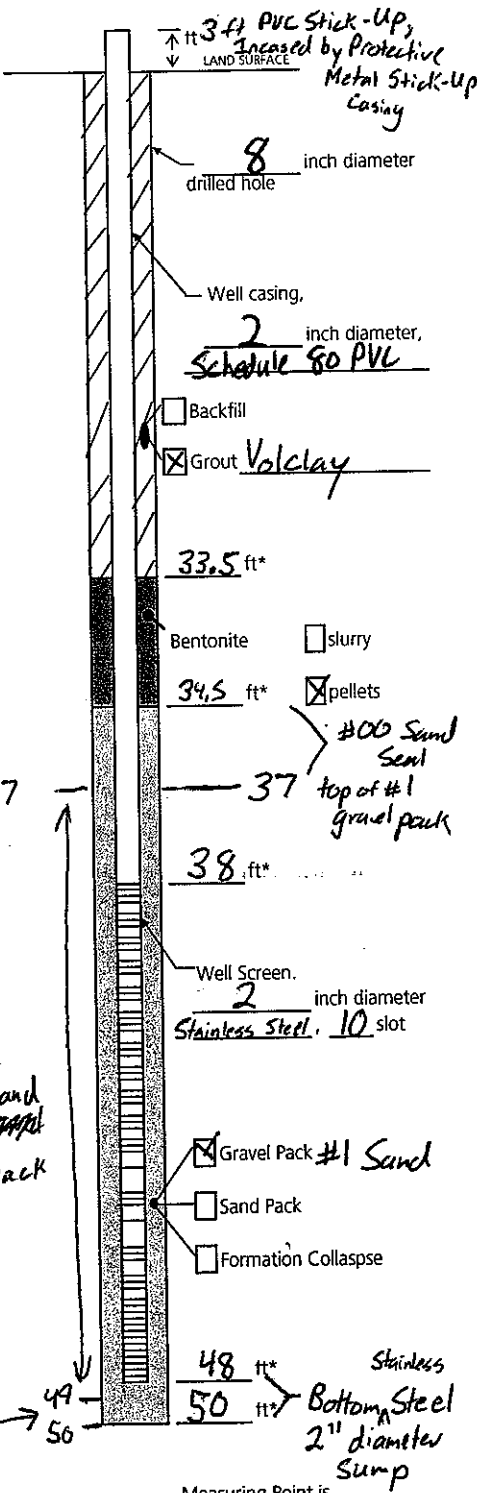
Well Purpose Piezometer to monitor For Perched Water

Remarks None

Prepared by John Corral

Measuring Point is Top of Well Casing Unless Otherwise Noted.  
 \* Depth Below Land Surface

**Well Construction Log**  
(Unconsolidated)



Project NGC-04-3 Well H-3-PZ  
 Town/City Bethpage  
 County Nassau State NY  
 Permit No. NA N-13652

Land-Surface Elevation and Datum:  
129.68 feet  Surveyed  
 Estimated

Installation Date(s) 10/25/06  
 Drilling Method Hollow Stem Auger (4 1/4" I.D. Augers)  
 Drilling Contractor Delta Well + Pump  
 Drilling Fluid Potable Water

Development Technique(s) and Date(s)  
NA

Fluid Loss During Drilling 50 gallons  
 Water Removed During Development NA gallons  
 Static Depth to Water 47.74 (11/2/06) feet below M.P. (Top of Casing)  
 Pumping Depth to Water NA feet below M.P.  
 Pumping Duration NA hours  
 Yield NA gpm Date NA  
 Specific Capacity NA gpm/ft

Well Purpose Piezometer to monitor for perched water.

Remarks None

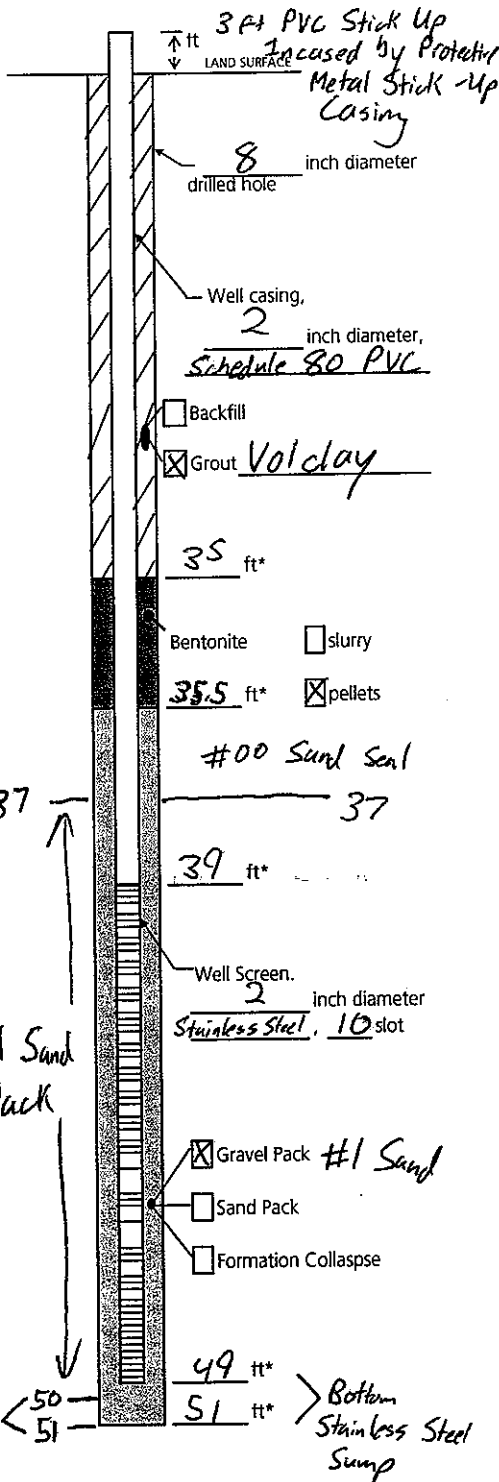
Prepared by John Corral

Measuring Point is Top of Well Casing Unless Otherwise Noted.  
 \* Depth Below Land Surface



**Well Construction Log**

(Unconsolidated)



Project NGC-OU-3 Well H-7-PZ

Town/City Bethpage

County Nassau State NY

Permit No. AA N-13653

Land-Surface Elevation and Datum:  
~~Not Measured~~ 129.09 feet  Surveyed  Estimated

Installation Date(s) 11/01/06

Drilling Method Hollow Stem Auger (4 1/4" I.P. Augers)

Drilling Contractor Delta Well + Pump

Drilling Fluid Potable Water

Development Technique(s) and Date(s)  
NA

Fluid Loss During Drilling 200 gallons

Water Removed During Development NA gallons

Static Depth to Water 44.14 (11/2/06) feet below M.P. (Top of Casing)

Pumping Depth to Water NA feet below M.P.

Pumping Duration NA hours

Yield NA gpm Date NA

Specific Capacity NA gpm/ft

Well Purpose Piezometer to monitor for perched water.

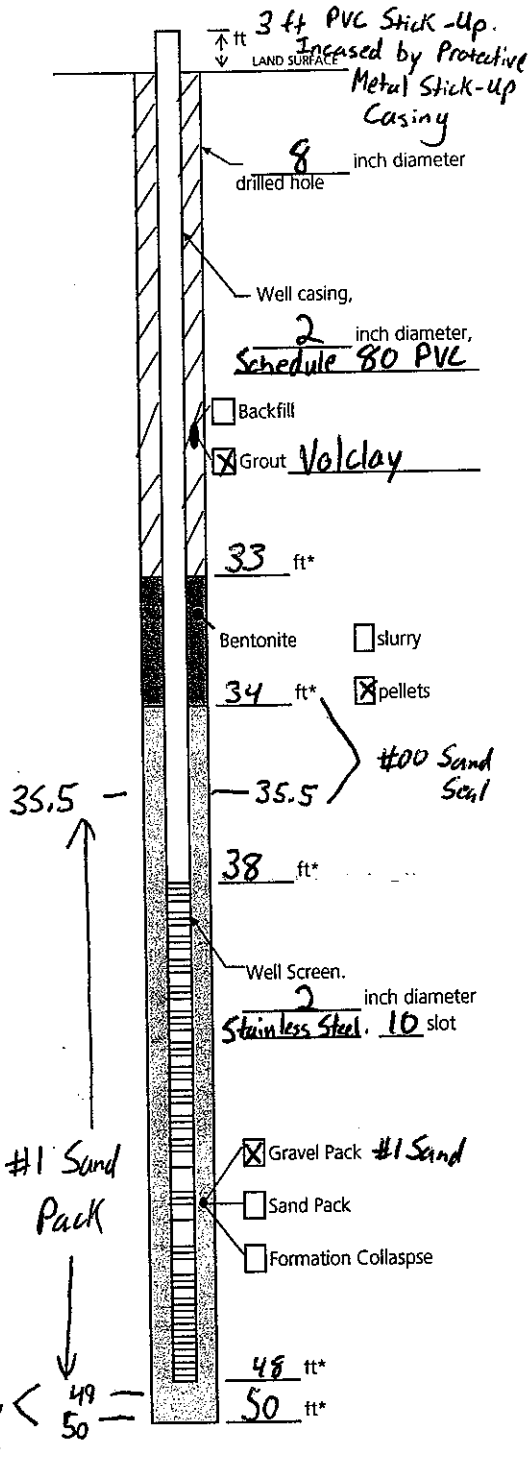
Remarks None

Prepared by John Corral

Measuring Point is Top of Well Casing Unless Otherwise Noted.  
 \* Depth Below Land Surface

**Well Construction Log**

(Unconsolidated)



Project NGC-OU-2 Well I-4-PZ  
 Town/City Bethpage  
 County Nassau State NY  
 Permit No. KA N-13651

Land-Surface Elevation and Datum:  
~~NOT MEASURED~~ 128.88 feet  Surveyed  
 (top) ~~NA~~  Estimated

Installation Date(s) 10/26/06-10/27/06  
 Drilling Method Hollow Stem Auger (4 1/4" I.D. Augers)

Drilling Contractor Delta Well + Pump  
 Drilling Fluid Potable Water

Development Technique(s) and Date(s)

NA

Fluid Loss During Drilling 50 gallons

Water Removed During Development NA gallons

Static Depth to Water 46.30 (11/2/06) feet below M.P. (Top of Casing)

Pumping Depth to Water NA feet below M.P.

Pumping Duration NA hours

Yield NA gpm Date NA

Specific Capacity NA gpm/ft

Well Purpose Piezometer to monitor for perched water.

Remarks None

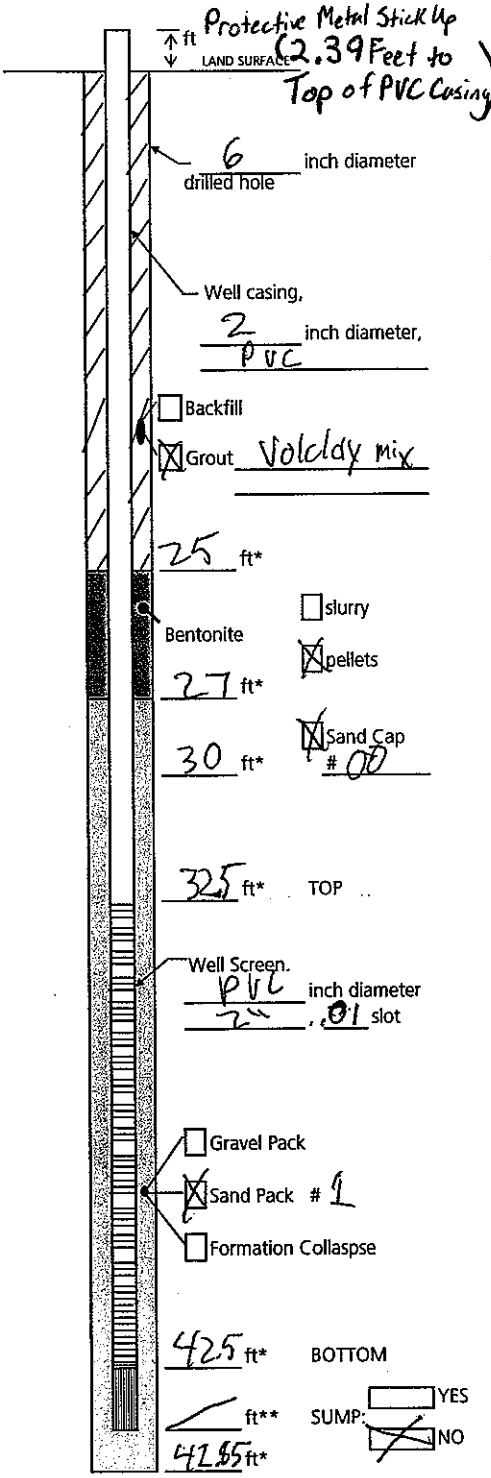
Prepared by John Corral

Measuring Point is Top of Well Casing Unless Otherwise Noted.

\* Depth Below Land Surface

**Well Construction Log**

(Unconsolidated)



Project NGC-043 Well I97-PZ  
 Town/City Bethpage  
 County NASSAU State NY  
 Permit No. N-13655

Land-Surface Elevation and Datum:  
128.71 NA feet  Surveyed  
 Estimated

Installation Date(s) 2/26/07  
 Drilling Method HSA  
 Drilling Contractor Delta  
 Drilling Fluid None

Development Technique(s) and Date(s)  
No development for  
piezometer

Fluid Loss During Drilling NA gallons  
 Water Removed During Development NA gallons  
 Static Depth to Water NA feet below M.P.  
 Pumping Depth to Water NA feet below M.P.  
 Pumping Duration NA hours  
 Yield NA gpm Date NA  
 Specific Capacity NA gpm/ft

Well Purpose Monitoring water  
level of perched water

Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

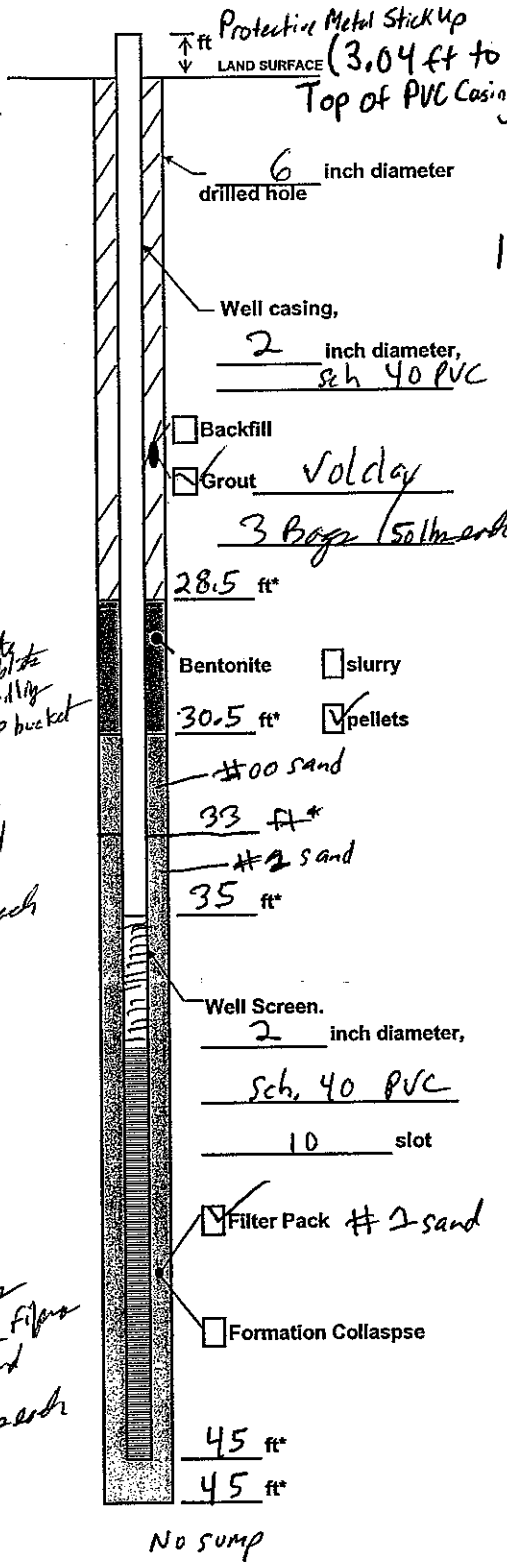
Prepared by D. Zude

Measuring Point is  
 Top of Well Casing  
 Unless Otherwise Noted.

\* Depth Below Land Surface  
 \*\* Sump if applicable

**Well Construction Log**  
(Unconsolidated)

NY 001464.0807.00003



Project Name and No. N-Grumman 003  
 Well 0-97-P2 Town/City Bethpage  
 County Nassau State NY  
 Permit No. N-13654

Land-Surface Elevation and Datum:  
128.27 feet  Surveyed  
 (to)  Estimated

Installation Date(s) 2/22/07  
 Drilling Method Hollow stem Auger  
 Drilling Contractor Delta Well & Pump  
 Drilling Fluid None

Development Technique(s) and Date(s)  
No development necessary for piezometer

Fluid Loss During Drilling NA gallons  
 Water Removed During Development NA gallons  
 Static Depth to Water NA feet below M.P.\*\*  
 Pumping Depth to Water NA feet below M.P.\*\*

Pumping Duration NA hours  
 Yield NA gpm Date NA  
 Specific Capacity NA gpm/ft

Well Purpose Piezometer -> measure perched water

Remarks orange stick-up casing to be installed. Screen set 35-45' bls. #2 sand to 2' above screen.

\* Depth Below Land Surface

\*\*Measuring Point is Top of Well Casing Unless Otherwise Noted.

Prepared by Prezorski



ARCADIS

# Soil Gas Sample Log

Sample ID AA42806  
 Date 04/28/06  
 Time 8:30  
 Weather Windy, Clear 80°F  
 Atmos. Pressure Nr

Project/No. NY 001348 0806 0007  
 Sampling Personnel John Corral  
Mitch Weckman  
 Wind Speed: Nr  
 Precipitation?: Na

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Adjacent to SGP-9  
 Est. depth to water (ft): 55 ft  
 Soil type: NA  
 Odor: -  
 Color: -

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

Date: NA (Ambient Air Sample)  
 Method: \_\_\_\_\_  
 Diameter: \_\_\_\_\_  
 Depth: \_\_\_\_\_  
 Packing material: \_\_\_\_\_

Location Sketch:  
 See sample ~~SGP10-(49-49.5)~~  
 SGP9-(7-7.5)

### PURGE:

Date: NA (Ambient Air Air Sample)  
 Time: \_\_\_\_\_  
 Rate: \_\_\_\_\_  
 Volume: \_\_\_\_\_

### SAMPLE COLLECTION:

Sample Time: 8:31-3:08  
 Sample Rate: 6L Summa Can filled during sample time  
 Sample Volume: 6L  
 Sample Start Time: 8:31  
 Sample End Time: 3:08

### CONTAINER VACUUM:

Initial Canister Vacuum: -29.5  
 Final Canister Vacuum: -2

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: Not recorded

### ANALYTICAL METHOD:

TO15 & Erosion 12 & 22



ARCADIS

# Soil Gas Sample Log

Sample ID AA050406  
 Date 5/4/2006  
 Time 8:30am  
 Weather Sunny, Clear 70° F to 75° F  
 Atmos. Pressure 29.77 ↓

Project/No. NY001348.0006.0002  
 Sampling Personnel Mitch Wickman  
 Wind Speed: 2-5 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Near SGPB Bothpage Park rd 3

Est. depth to water (ft): 55

Soil type: NA - Ambient Air Sample

Odor: NA

Color: NA

Indoor

Location \_\_\_\_\_

Basement: yes / no

Room size ft x ft: \_\_\_\_\_

Floor material: cement / wood / dirt

Slab Thickness (ft): \_\_\_\_\_

Visible cracks?: yes / no

Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: NA - Ambient Air

Method: \_\_\_\_\_

Diameter: \_\_\_\_\_

Depth: \_\_\_\_\_

Packing material: \_\_\_\_\_

Location Sketch:

See SGPB (49-49.5)

### PURGE:

Date: NA - Ambient Air

Time: \_\_\_\_\_

Rate: \_\_\_\_\_

Volume: \_\_\_\_\_

### SAMPLE COLLECTION:

Sample Time: 8:30am - 4:30pm

Sample Rate: 6L per 8 hr Sample

Sample Volume: 6L

Sample Start Time: 8:30am

Sample End Time: 4:30pm

### CONTAINER VACUUM:

Initial Canister Vacuum: -32

Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa

Canister Serial Number: 2672

### ANALYTICAL METHOD:

TOKS & FREONS 12+22



ARCADIS

Soil Gas Sample Log

Sample ID AA062806  
Date 06/28/2016  
Time 9am - 5pm  
Weather Overcast Morn Sunny Afternoon  
Atmos. Pressure 29.88 - 29.90

Project/No. NY001348.0006.0002  
Sampling Personnel MW  
Wind Speed: 1-5  
Precipitation?: Previous Evening

DESCRIPTION OF SAMPLE LOCATION:

Outdoor  
Location New SGP103  
Est. depth to water (ft): \_\_\_\_\_  
Soil type: \_\_\_\_\_  
Odor: \_\_\_\_\_  
Color: \_\_\_\_\_

Indoor  
Location \_\_\_\_\_  
Basement: yes / no \_\_\_\_\_  
Room size ft x ft: \_\_\_\_\_  
Floor material: cement / wood / dirt \_\_\_\_\_  
Slab Thickness (ft): \_\_\_\_\_  
Visible cracks?: yes / no \_\_\_\_\_  
Sub-slab material: dirt / gravel \_\_\_\_\_

PROBE INSTALLATION:

Date: \_\_\_\_\_  
Method: \_\_\_\_\_  
Diameter: AMBIENT  
Depth: AIR  
Packing material: \_\_\_\_\_

PURGE:

Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Rate: \_\_\_\_\_  
Volume: \_\_\_\_\_

SAMPLE COLLECTION:

Sample Time: 9am - 5pm  
Sample Rate: \_\_\_\_\_  
Sample Volume: \_\_\_\_\_  
Sample Start Time: \_\_\_\_\_  
Sample End Time: \_\_\_\_\_

CONTAINER VACUUM:

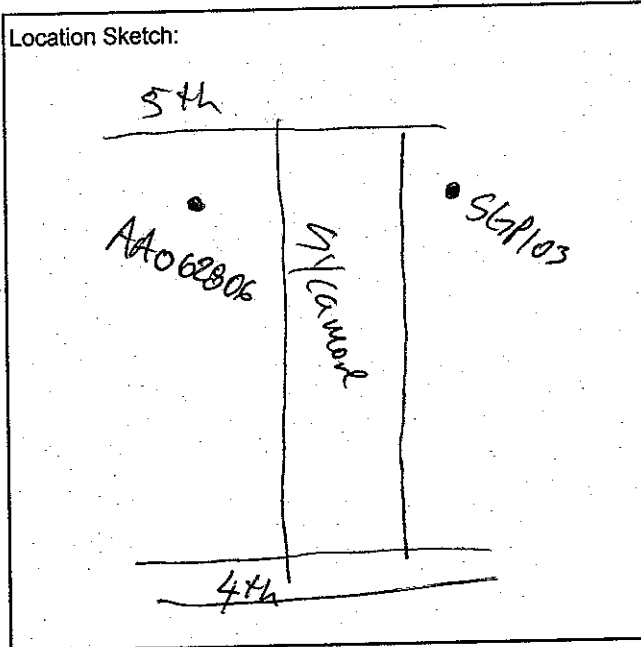
Initial Canister Vacuum: -32" Hg  
Final Canister Vacuum: -3" Hg

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
Canister Serial Number: 3558

ANALYTICAL METHOD:

low level TO-15





ARCADIS

# Soil Gas Sample Log

Sample ID SGP5-(7-75)  
 Date 5/5/2006  
 Time 1100pm  
 Weather Sunny, Clear 75°F  
 Atmos. Pressure 29.60

Project/No. NY0013480006.0002  
 Sampling Personnel Math Wachsman  
 Wind Speed: 1-5 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Beltway Park Service Road  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: None  
 Color: tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/5/2006  
 Method: Direct Push  
 Diameter: 1 1/2"  
 Depth: 7.5'  
 Packing material: None

Location Sketch:  
See SGP5-(49-49.5)

### PURGE:

Date: 5/5/2006  
 Time: 6 min 12:57-1:03  
 Rate: 100ml/min  
 Volume: 0.6L

### SAMPLE COLLECTION:

Sample Time: 30 min  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 1:03  
 Sample End Time: 1:30

### CONTAINER VACUUM:

Initial Canister Vacuum: -28" Hg  
 Final Canister Vacuum: -2" Hg

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2014

### ANALYTICAL METHOD:

T0159 Freon 12 + 22

Initial He in Shroud 85%  
 Final He in Shroud 32%  
0.00% He in purge air  
passed He tracer gas test





ARCADIS

# Soil Gas Sample Log

Sample ID SGP5 - (34-34.5)  
 Date 5/5/2006  
 Time 11:30  
 Weather Clear, Sunny, 76°F  
 Atmos. Pressure 29.63

Project/No. NY0013480806.002  
 Sampling Personnel Mitch Waskman  
 Wind Speed: 3-6 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park Service Road 00-3  
 Est. depth to water (ft): 55'  
 Soil type: sand & gravel  
 Odor: no  
 Color: tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/5/2006  
 Method: Direct Push  
 Diameter: 1 1/2"  
 Depth: 35'  
 Packing material: none

Location Sketch:  
see SGP5 - (49-49.5)

### PURGE:

Date: 5/5/2006  
 Time: 21 min 11:41 - 12:02  
 Rate: 100ml/min  
 Volume: 2L

### SAMPLE COLLECTION:

Sample Time: 30 min  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 12:02  
 Sample End Time: 12:31

### CONTAINER VACUUM:

Initial Canister Vacuum: -28" Hg  
 Final Canister Vacuum: -24" Hg

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2542

### ANALYTICAL METHOD:

TO15 & Fraas 12+22

Initial He in Shroud 34%  
 Final He in Shroud 29%  
 0.02% He in Purge Air 0.0  
 Passed Helium Tracer Gas test



ARCADIS

# Soil Gas Sample Log

Sample ID: SGPS - (49-49.5)  
 Date: 5/5/2006  
 Time: 9:45am  
 Weather: Sunny, clear, 77°F  
 Atmos. Pressure: 29.64

Project/No. NY 001348 0806.0002  
 Sampling Personnel:  Mitch Waldman   
 Wind Speed: 1-3 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

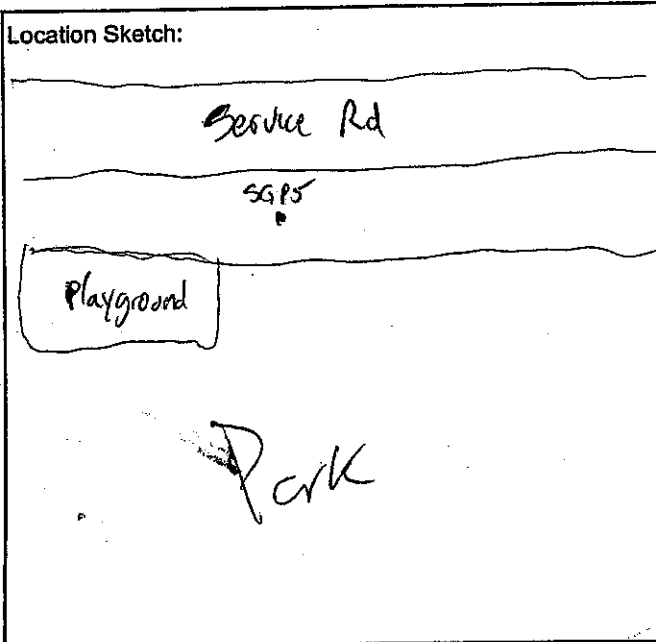
Location: Bethpage Park - Service Rd. 003  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: NO  
 Color: tan

Indoor

Location: \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/5/2006  
 Method: Direct Push  
 Diameter: 1 1/2"  
 Depth: 49'  
 Packing material: None



### PURGE:

Date: 5/5/2006  
 Time: 30 min 10:05 - 10:40  
 Rate: 100 mL/min  
 Volume: 3L

### SAMPLE COLLECTION:

Sample Time: 30 min  
 Sample Rate: 200 mL/min  
 Sample Volume: 6L  
 Sample Start Time: 10:47  
 Sample End Time: 11:17

### CONTAINER VACUUM:

Initial Canister Vacuum: 31 In  
 Final Canister Vacuum: 4 in

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3843

### ANALYTICAL METHOD:

TO15 & Emissions 12+22

Initial He in Shroud: 45%  
 Final He in Shroud: 40%  
 0.0% He in Purge Air  
 Final Purge = 0.0%  
 Passed He tracer gas test



ARCADIS

# Soil Gas Sample Log

Sample ID: SGP-6(8.0-8.5)  
 Date: 05/02/06  
 Time: 1:30  
 Weather: Mostly Cloudy  
 Atmos. Pressure: 29.80

Project/No. NY001348.0806  
 Sampling Personnel: JHL  
MW  
 Wind Speed: 2 MPH from NE  
 Precipitation?: NO

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location: SGP-6  
 Est. depth to water (ft): 55 ft  
 Soil type: Sec 1.04  
 Odor: None See Soil Log  
 Color: None See Soil Log

Indoor

Location: \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/2/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 8 @ 8.5'  
 Packing material: None

Location Sketch:  
See SGP 6 (49-49.5)

### PURGE:

Date: 05/02/06  
 Time: 1:27 - 1:33  
 Rate: 115 ml/min  
 Volume: ~700 ml (600 600ml @ 1.5L)

### SAMPLE COLLECTION:

Sample Time: 1:35 - 2:05  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 1:35  
 Sample End Time: 2:05

### CONTAINER VACUUM:

Initial Canister Vacuum: 29 inHg In of Hg  
 Final Canister Vacuum: 4" Hg

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 6777

### ANALYTICAL METHOD:

7015 & Fractions 12422

Initial  
 Helium: In Can - 43%  
Purge = 0% 1:27-1:34  
Final  
 In Can - 42%  
 Passed tracer gas test



ARCADIS

# Soil Gas Sample Log

Sample ID SGP6-(34-34.5)  
 Date 5/2/2006  
 Time 12:15  
 Weather Sunny, 60°F  
 Atmos. Pressure 29.82" Hg

Project/No. N4001348.0806.0002  
 Sampling Personnel Mitch W. Jackson  
 Wind Speed: 5-8 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location SGP-6  
 Est. depth to water (ft): 55'  
 Soil type: see log (sand & gravel)  
 Odor: NO  
 Color: tan-brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

Date: 5/2/2006  
 Method: Direct Push / PPT  
 Diameter: 1.5"  
 Depth: 33 34.5'  
 Packing material: None

Location Sketch:  
see SGP6 - (49-49.5)

### PURGE:

Date: 5/2/2006  
 Time: 12:14 - 12:35  
 Rate: 100ml/min  
 Volume: 2 L

### SAMPLE COLLECTION:

Sample Time: 12:36  
 Sample Rate: 200ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 12:36  
 Sample End Time: 1:07

### CONTAINER VACUUM:

Initial Canister Vacuum: -32  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 8675

### ANALYTICAL METHOD:

TO15 & friends 12+22

Initial Helium @ top of can 46%

Final He @ top of can <sup>(shroud)</sup> 38%

0.05% He in Purge air 12:14-12:35

Passed Tracer gas test



ARCADIS

# Soil Gas Sample Log

Sample ID SGP-6 (49-49.5)  
 Date 05/02/06  
 Time 10:45  
 Weather Sunny, 29.87 in Hg, 69.17  
 Atmos. Pressure 29.80

Project/No. NY001348, 0806.2  
 Sampling Personnel JHC  
MW  
 Wind Speed: 7 mph from NE  
 Precipitation?: No

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location SGP-6  
 Est. depth to water (ft): 55 ft  
 Soil type: Sec Log  
 Odor: None  
 Color: Sec Log

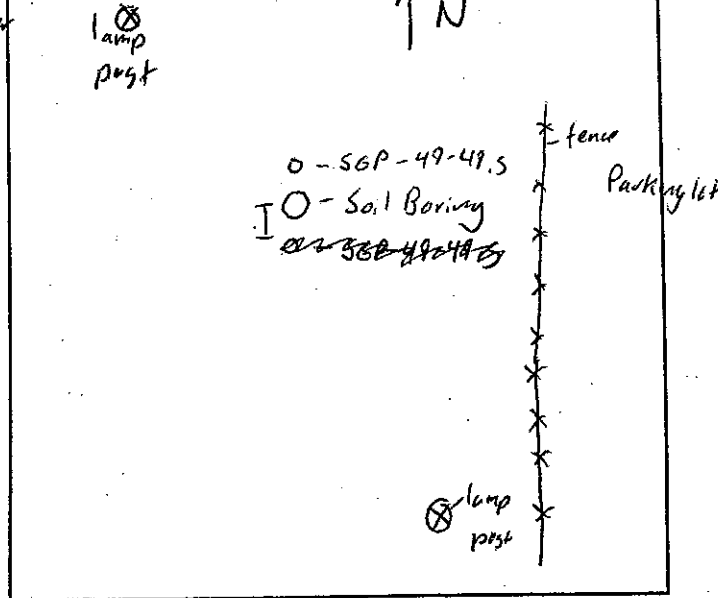
Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 05/02/06  
 Method: Geoprobe 1.5" with PRT adapter  
 Diameter: 1.5"  
 Depth: 49.5'  
 Packing material: NONE

### Location Sketch:



### PURGE:

Date: 05/02/06  
 Time: 10:45 - 11:16  
 Rate: 108 ml/min  
 Volume: 3000 ml

### SAMPLE COLLECTION:

Sample Time: 11:18 - 11:48  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 11:18  
 Sample End Time: 11:48

### CONTAINER VACUUM:

Initial Canister Vacuum: 29 in Hg  
 Final Canister Vacuum: 4" Hg

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 6321

### ANALYTICAL METHOD:

VOL - TO-15 + Freon 12 + Freon 22

Helium - <sup>(standard)</sup> Initial - Can - 42% Final - 37%  
 Purge - ~~0.45~~ 0.35 background  
 0.45 purge  
 10:45 - 11:16 am  
 Passed Tracer Gas Test



ARCADIS

# Soil Gas Sample Log

Sample ID SGP7-(7-7.5)  
 Date 5/3/2006  
 Time 1:15pm  
 Weather clear 71°F  
 Atmos. Pressure 29.66

Project/No. NY001348.0806.0002  
 Sampling Personnel Mitch Weckman  
 Wind Speed: 5mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage Park SGP7</u>
Est. depth to water (ft): <u>35'</u>
Soil type: <u>sand &amp; gravel</u>
Odor: <u>Yes</u>
Color: <u>Tan with staining</u>

<input type="checkbox"/> Indoor
Location _____
Basement: <u>yes / no</u>
Room size ft x ft: _____
Floor material: <u>cement / wood / dirt</u>
Slab Thickness (ft): _____
Visible cracks?: <u>yes / no</u>
Sub-slab material: <u>dirt / gravel</u>

### PROBE INSTALLATION:

Date: 5/3/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 7.5'  
 Packing material: None

### PURGE:

Date: 5/3/2006  
 Time: 1:30 - 1:36  
 Rate: 100ml/min  
 Volume: 0.6L

### SAMPLE COLLECTION:

Sample Time: 1:40  
 Sample Rate: 200ml/min  
 Sample Volume: 0.2L  
 Sample Start Time: 1:40  
 Sample End Time: 2:10

### CONTAINER VACUUM:

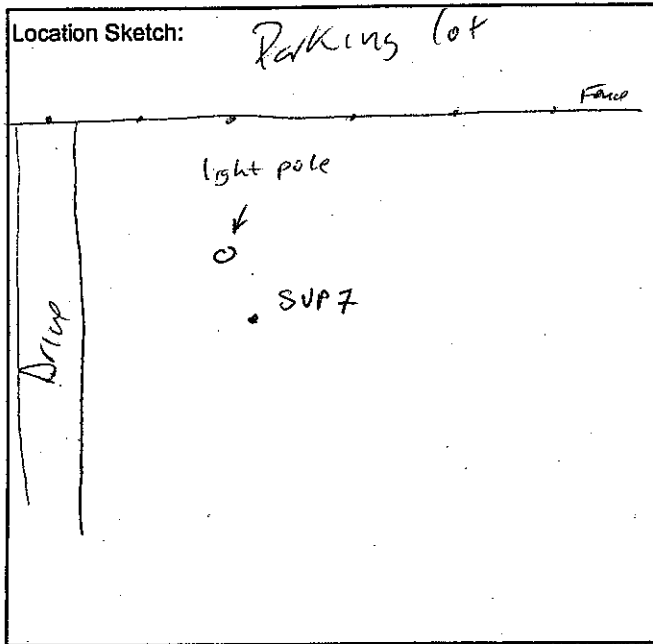
Initial Canister Vacuum: -30  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2734

### ANALYTICAL METHOD:

TOL5 & from 12&22



Initial He @ Top of Shroud 33%

Final He @ Top of Shroud 27%

0.0% He in Purge Air 1:30-1:36pm

Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP7-(34-345)  
 Date 5/3/2006  
 Time 12:00  
 Weather Overcast, 60°F  
 Atmos. Pressure 29.69

Project/No. NY00134800060002  
 Sampling Personnel Mitch Wackman  
 Wind Speed: 3-6 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Bathpage Park 4617</u>
Est. depth to water (ft):	<u>55'</u>
Soil type:	<u>Sand &amp; Gravel</u>
Odor:	<u>Yes, strong</u>
Color:	<u>Tan</u>

<input type="checkbox"/>	Indoor
Location	
Basement:	yes / no
Room size ft x ft:	
Floor material:	cement / wood / dirt
Slab Thickness (ft):	
Visible cracks?:	yes / no
Sub-slab material:	dirt / gravel

### PROBE INSTALLATION:

Date: 5/3/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 34-34.5'  
 Packing material: None

### Location Sketch:

See SGP7-(7-7.5)

### PURGE:

Date: 5/3/2006  
 Time: 12:19-12:40  
 Rate: 115 ml/min  
 Volume: 2L

### SAMPLE COLLECTION: 12:40 - 1:10

Sample Time: 11:20  
 Sample Rate: 200 ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 11:20 12:40  
 Sample End Time: 1:10

### CONTAINER VACUUM:

Initial Canister Vacuum: -35  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2602

### ANALYTICAL METHOD:

7015 & Freon 12 & 22

Initial He @ top of can 40%  
 Final He @ Top of can 37%  
 0.0% He in Purge Air 12:19-12:40  
 Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP7-(49-49.5)  
 Date 5/3/2006  
 Time 10:30 am  
 Weather overcast, 59°F  
 Atmos. Pressure 29.73

Project/No. NY0013480806.0002  
 Sampling Personnel Mitch Wassman  
 Wind Speed: 1-5 mph  
 Precipitation?: none

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location SGP7  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: Oil  
 Color: tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/3/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 49-49.5'  
 Packing material: None

Location Sketch:  
see SGP7(7-7.5)

### PURGE:

Date: 5/3/2006  
 Time: 10:50-11:20  
 Rate: 100ml/min  
 Volume: 3L

*Extra Volume  
 purged due  
 to equipment  
 problems*

### SAMPLE COLLECTION:

Sample Time: 11:20  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 11:20  
 Sample End Time: 11:50

### CONTAINER VACUUM:

Initial Canister Vacuum: -32  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 8773

### ANALYTICAL METHOD:

TO15 & Trons 12&22

*Initial He @ top of can 45%*

*Final He @ top of can 35%*

*-1 0.0% He in purge air 10:50-11:20  
 Tracer Gas Passed*





ARCADIS

# Soil Gas Sample Log

Sample ID SGP 7 - (99-99.5) Duplicate of SGP 7 (3434.5) Project/No. NY00/34180/006.002  
 Date 5/3/2006 Sampling Personnel Match Weckesman  
 Time 12:00  
 Weather Overcast 60°F  
 Atmos. Pressure 29.69 Wind Speed: 3-6 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bathpage Park SGP7  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: yes, strong  
 Color: Tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/3/2006  
 Method: Direct push  
 Diameter: 1.5"  
 Depth: 3434.5'  
 Packing material: None

### Location Sketch:

see SGP 7 - (7-7.5)

### PURGE:

Date: 5/3/2006  
 Time: 12:19 - 12:40  
 Rate: 115 ml/min  
 Volume: 2L

### SAMPLE COLLECTION:

Sample Time: 11:20 12:40  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 11:20 12:40  
 Sample End Time: 1:10

### CONTAINER VACUUM:

Initial Canister Vacuum: -33  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2754

### ANALYTICAL METHOD:

7015 & Fisons 12 & 22

Initial He @ top of can 40%

Final He @ top of can 38%

0.0% He in Purge Air 12:19-12:40

Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGPB-(7-75)  
 Date 5/4/2006  
 Time 1pm  
 Weather Sunny, clear, 75°F  
 Atmos. Pressure 29.63

Project/No. NY001348.0806.002  
 Sampling Personnel Mitch Jackson  
 Wind Speed: 2-4 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park SGPB-003  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: No  
 Color: Tan - Brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/4/2006  
 Method: Direct Push  
 Diameter: 1 1/2"  
 Depth: 7.5'  
 Packing material: None

### Location Sketch:

see SGPB-(49-49.5)

### PURGE:

Date: 5/4/2006  
 Time: 6min 1:06-1:12  
 Rate: 100ml/min  
 Volume: 0.6L

### SAMPLE COLLECTION:

Sample Time: 30min  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 1:12  
 Sample End Time: 1:38

### CONTAINER VACUUM:

Initial Canister Vacuum: -27  
 Final Canister Vacuum: -2

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3340

### ANALYTICAL METHOD:

TO15 & Freons 12+22

He Initial He in Shroud 31%  
Final He in Shroud 30%  
0.07% He in Purge Air 1:06-1:12  
Passed tracer gas test



ARCADIS

# Soil Gas Sample Log

Sample ID SGPB-(34-34.5)  
 Date 04/5/4/2006  
 Time 12:00  
 Weather Sunny, clear 74°F  
 Atmos. Pressure 29.69

Project/No. NX001348 0806.0002  
 Sampling Personnel Mitch Wassner  
 Wind Speed: 3-5 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park SGPB-013  
 Est. depth to water (ft): 5.5'  
 Soil type: Soil & gravel  
 Odor: None  
 Color: Tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 5/4/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 34.5'  
 Packing material: None

### Location Sketch:

See SGPB-(49-49.5)

### PURGE:

Date: 5/4/2006  
 Time: 12:00 to 21 min 11:54-12:17  
 Rate: 100ml/min  
 Volume: 9L

### SAMPLE COLLECTION:

Sample Time: 12:17 30min  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 12:17  
 Sample End Time: 12:47

### CONTAINER VACUUM:

Initial Canister Vacuum: -30  
 Final Canister Vacuum: -8

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2792

### ANALYTICAL METHOD:

TOR & Freon 12+20

Initial He in Shroud 42%  
 Final He in Shroud 39%  
 0.0% He in Purge Air 11:54-12:17  
 Passed Tracer Gas



ARCADIS

# Soil Gas Sample Log

Sample ID SGPB - (49-49.5)  
 Date 5/4/2006  
 Time 10:15  
 Weather Sunny, clear, 70°F  
 Atmos. Pressure 29.77

Project/No. NY001348-0806-0001  
 Sampling Personnel Mitch Weckmann  
 Wind Speed: 1-5 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Rethpage Park SGPB-03  
 Est. depth to water (ft): 55'  
 Soil type: sand & gravel  
 Odor: little  
 Color: tan - brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

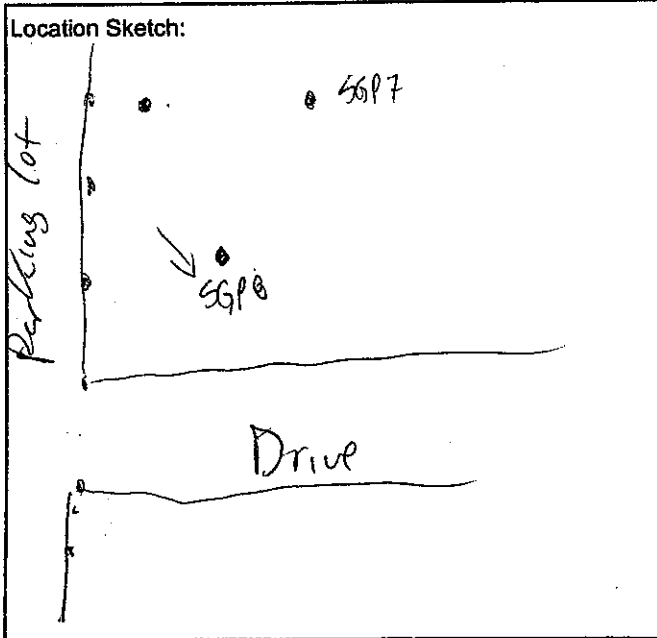
Date: 5/4/2006  
 Method: Direct Push  
 Diameter: 1 1/2"  
 Depth: 49.5'  
 Packing material: None

### PURGE:

Date: 5/4/2006  
 Time: 20 min 10:20-10:50  
 Rate: 100 ml/min  
 Volume: 3L

### SAMPLE COLLECTION:

Sample Time: 10:50  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 10:50  
 Sample End Time: 11:27



### CONTAINER VACUUM:

Initial Canister Vacuum: -28  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3093

### ANALYTICAL METHOD:

TO15 & Kreons 12 + 22

Initial He in shroud 54%  
 Final He in shroud 49%  
 0.00% He in Purge Air 10:20-10:50  
 Passed Tracer Gas Test



ARCADIS

# Soil Gas Sample Log

Sample ID SGP9-(7-7.5)  
 Date 4/28/2006  
 Time 11:00pm  
 Weather Clear, Sunny 60°  
 Atmos. Pressure \_\_\_\_\_

Project/No. NY 001348.08.06.0002  
 Sampling Personnel Mitch Ackerman  
John Corral  
 Wind Speed: \_\_\_\_\_  
 Precipitation?: \_\_\_\_\_

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park, Parking Lot  
 Est. depth to water (ft): 55'  
 Soil type: sand & gravel  
 Odor: None  
 Color: White - brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 4/28/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 8'  
 Packing material: None

### PURGE:

Date: 4/28/2006  
 Time: 6 min  
 Rate: 100 ml/min  
 Volume: 600 mL

### SAMPLE COLLECTION:

Sample Time: 30 min  
 Sample Rate: 200 ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 3:54  
 Sample End Time: 4:24

### CONTAINER VACUUM:

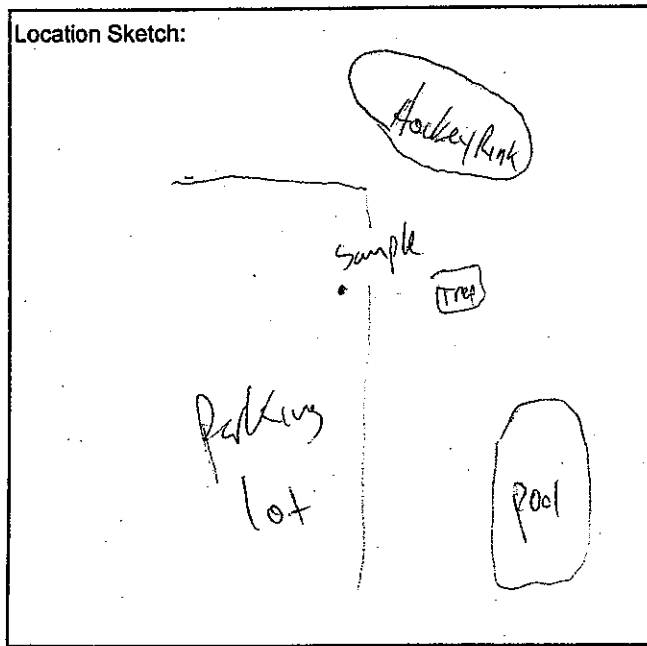
Initial Canister Vacuum: -30  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 6843

### ANALYTICAL METHOD:

TO15 & From 12422



Initial He in Shroud 35%  
 Final He in Shroud 32%  
 0.05% He in purge air from 3:47-3:53  
 -Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP9-(34-34.5)  
 Date 5/1/2006  
 Time 11:15  
 Weather Sunny, windy, Clear 61°F  
 Atmos. Pressure 30.20

Project/No. NY001348.0705-0002  
 Sampling Personnel Mitch Weakswold  
 Wind Speed: 5-12 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

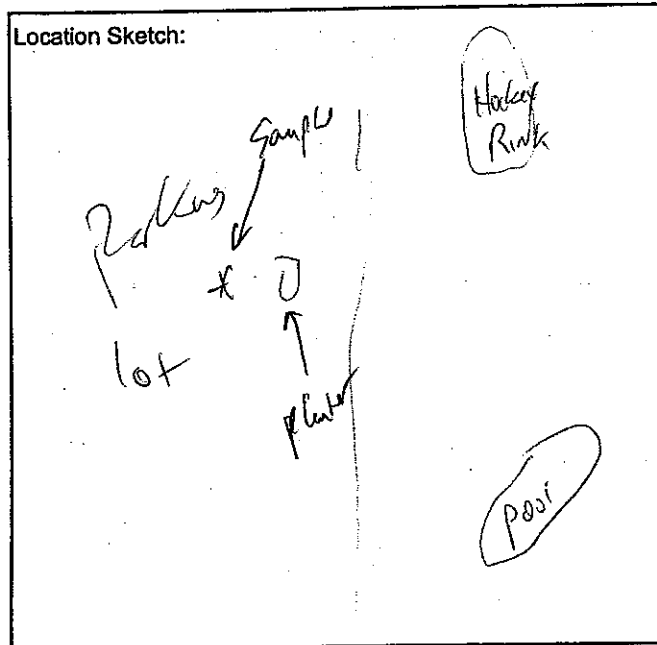
Location Bethpage Park  
 Est. depth to water (ft): 55'  
 Soil type: Sandy with gravel  
 Odor: None  
 Color: Tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

Date: 5/1/2006  
 Method: Direct Push  
 Diameter: 3.15" 1.5"  
 Depth: 34.5'  
 Packing material: None



### PURGE:

Date: 5/1/2006  
 Time: 11:20  
 Rate: 100ml/min  
 Volume: 2L

### SAMPLE COLLECTION:

Sample Time: 11:43  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 11:43  
 Sample End Time: 12:13

### CONTAINER VACUUM:

Initial Canister Vacuum: -30"  
 Final Canister Vacuum: -5"

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 6077

### ANALYTICAL METHOD:

TO-15 & Freons 12&22

Initial He @ top of can 41%  
 Final He @ top of can 38%  
 0.02% He in purge air  
 from 11:15-11:21  
 -Trace Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP9 - (49-495)  
 Date 5/1/2006  
 Time 9 am  
 Weather Clear, Windy 60°F  
 Atmos. Pressure 30.22" Hg

Project/No. NY001348.0806.002  
 Sampling Personnel Mark Wackman  
 Wind Speed: 5-10 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

<input checked="" type="checkbox"/>	Outdoor
<input type="checkbox"/>	Indoor
Location	<u>Bethpage Park</u>
Est. depth to water (ft):	<u>55'</u>
Soil type:	<u>Silt</u>
Odor:	<u>None</u>
Color:	<u>Tanish</u>

<input type="checkbox"/>	Indoor
<input checked="" type="checkbox"/>	Outdoor
Location	
Basement:	<u>yes / no</u>
Room size ft x ft:	
Floor material:	<u>cement / wood / dirt</u>
Slab Thickness (ft):	
Visible cracks?:	<u>yes / no</u>
Sub-slab material:	<u>dirt / gravel</u>

### PROBE INSTALLATION:

Date: 5/1/2006  
 Method: Direct Push  
 Diameter: 1.5"  
 Depth: 495'  
 Packing material: None

Location Sketch:

See sample SGP9 - (37-315)

### PURGE:

Date: 5/1/2006  
 Time: 20 min  
 Rate: 100 mL/min  
 Volume: 3L

### SAMPLE COLLECTION:

Sample Time: 9:25-  
 Sample Rate: 200 mL/min  
 Sample Volume: 67  
 Sample Start Time: 9:23am  
 Sample End Time: 9:53am

### CONTAINER VACUUM:

Initial Canister Vacuum: -32  
 Final Canister Vacuum: -5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 6749

### ANALYTICAL METHOD:

TO15 & Freons 12+22

Initial He @ top of can 35%  
 Final He @ Top of can 33%  
 0% He in purge Air from  
 9:16-9:22  
 -Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP10-8.0-7.5  
 Date 04/27/06  
 Time 3:40  
 Weather Sunny, 70°F  
 Atmos. Pressure NA

Project/No. NY001348.0806.2  
 Sampling Personnel John Corral  
Mitch Wackman  
 Wind Speed: NA  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Bethpage Community Park</u>
Est. depth to water (ft):	<u>55 ft</u>
Soil type:	<u>Sand/Loam see SGP10 Soil Log</u>
Odor:	<u>None</u>
Color:	<u>See SGP10 Soil Log</u>

<input type="checkbox"/>	Indoor
Location	
Basement:	yes / no
Room size ft x ft:	
Floor material:	cement / wood / dirt
Slab Thickness (ft):	
Visible cracks?:	yes / no
Sub-slab material:	dirt / gravel

### PROBE INSTALLATION:

Date: 04/27/06  
 Method: Geoprobe  
 Diameter: 1.5"  
 Depth: ~~8.0-8.5'~~ 7.5'-8.0'  
 Packing material: Grout Nod

### Location Sketch:

See sample SGP10 - (49-49.5)

### PURGE:

Date: 04/27/06  
 Time: 3:34-3:40  
 Rate: 100 ml/min  
 Volume: 600 ml (463 = 1.5 Volumes)

### SAMPLE COLLECTION:

Sample Time: 3:40-4:10  
 Sample Rate: 6L in 30 minutes  
 Sample Volume: 6L  
 Sample Start Time: 3:40  
 Sample End Time: 4:10

### CONTAINER VACUUM:

Initial Canister Vacuum: 32  
 Final Canister Vacuum: 5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 5938

### ANALYTICAL METHOD:

VOC - TO 15 + Pican 12 + Pican 22

Note = Initial Helium = >20 in Can  
 = 0.05 in purge 3:34

Final Helium = 5% in Can  
 = 0.00 in purge 3:40

Tracer Gas Passed





ARCADIS

# Soil Gas Sample Log

Sample ID SGP-10-(34-34.5)  
 Date 04/27/06  
 Time 2:15  
 Weather Sunny  
 Atmos. Pressure unk

Project/No. NY001348-0806-0007  
 Sampling Personnel John Corral  
Mitch Wackman  
 Wind Speed: unk  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park  
 Est. depth to water (ft): 55'  
 Soil type: sand & gravel  
 Odor: None  
 Color: Tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

Date: 04/27/06  
 Method: Geoprobe  
 Diameter: 1.5"  
 Depth: 34'-34.5'  
 Packing material: Grout the hole None

### Location Sketch:

See Sample SGP10-(49-49.5)

### PURGE:

Date: 04/27/06  
 Time: 2:17-2:38  
 Rate: 102 ml/min  
 Volume: 2025 ml

### SAMPLE COLLECTION:

Sample Time: 2:40-3:12  
 Sample Rate: 6L in 32 minutes  
 Sample Volume: 6L  
 Sample Start Time: 2:40  
 Sample End Time: 3:12

### CONTAINER VACUUM:

Initial Canister Vacuum: 31  
 Final Canister Vacuum: 5 (Note 2 when Valve closed)

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3400  
cut# 24153

### ANALYTICAL METHOD:

TO15 & Etcans 12&21

Note: <sup>7</sup> 17% Helium in Can (shroud)

Note: ~~0.08%~~ 0.08% from Pump Air 2:17-2:38pm  
 Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP10-50(49-49.5)  
 Date 4/27/2006  
 Time 12:30  
 Weather Sunny, 70°F  
 Atmos. Pressure NA

Project/No. NY 001348.08062  
 Sampling Personnel Michel Wacksmann  
John Corral  
 Wind Speed: NA  
 Precipitation?: NA

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

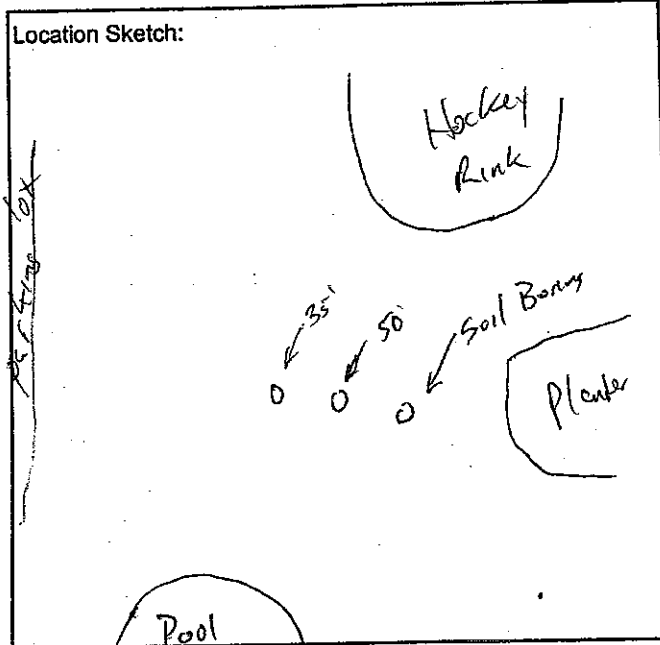
Location Bedford Park  
 Est. depth to water (ft): 55'  
 Soil type: Sand & gravel  
 Odor: NO  
 Color: Tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

### PROBE INSTALLATION:

Date: 04/27/06  
 Method: Geo probe  
 Diameter: 1.5"  
 Depth: 49.5'  
 Packing material: NA



### PURGE:

Date: 04/27/06  
 Time: 12:30  
 Rate: 108 ml/min  
 Volume: 2100 ml = 1.5 Volumes

### SAMPLE COLLECTION:

Sample Time: ~~15 min~~ 30 min  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: ~~12:35~~ 1:11  
 Sample End Time: 1:38

### CONTAINER VACUUM:

Initial Canister Vacuum: 31  
 Final Canister Vacuum: 5

### CONTAINER DESCRIPTION:

Canister: 6-L Summa 5262  
 Canister Serial Number: \_\_\_\_\_

### ANALYTICAL METHOD:

TO15 & Fraun 12022

Note: 15% helium in bucket (shroud)  
 0.0% He in Purge Air 12:35-1:05  
 Tracer Gas Passed



ARCADIS

# Soil Gas Sample Log

Sample ID SGP11 (7-7.5)  
 Date 5/5/2006  
 Time 1:30pm  
 Weather Sunny clear 75°F  
 Atmos. Pressure 29.59

Project/No. NY0013480806.0002  
 Sampling Personnel Mitch Weckman  
 Wind Speed: 1.5 mph  
 Precipitation?: None

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage Park Service Rd - 003  
 Est. depth to water (ft): 53'  
 Soil type: sand & gravel  
 Odor: None  
 Color: tan

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

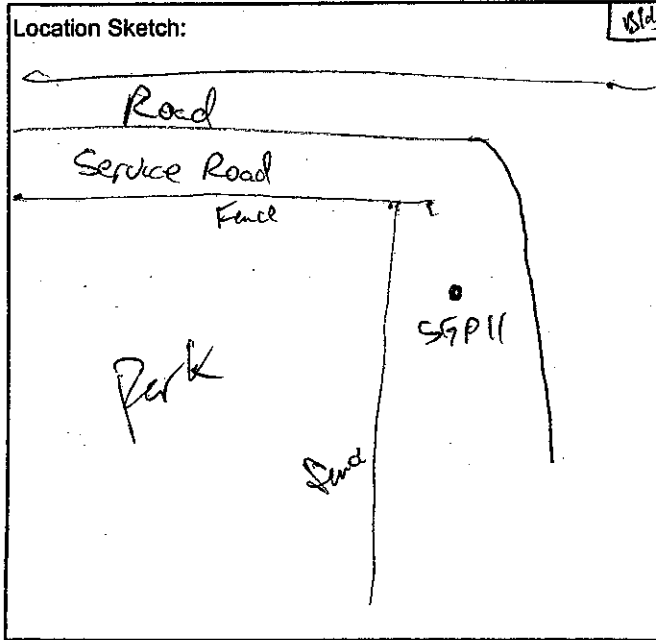
Date: 5/5/2006  
 Method: T015 Direct Push  
 Diameter: 1.5"  
 Depth: 7.5'  
 Packing material: None

### PURGE:

Date: 5/5/2006  
 Time: 6 min 1:44 - 1:50  
 Rate: 100ml/min  
 Volume: 0.62

### SAMPLE COLLECTION:

Sample Time: 30 min  
 Sample Rate: 200ml/min  
 Sample Volume: 6.2  
 Sample Start Time: 1:50  
 Sample End Time: 2:20



### CONTAINER VACUUM:

Initial Canister Vacuum: -28  
 Final Canister Vacuum: -2

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2962

### ANALYTICAL METHOD:

T015 & Freons 12+22

Initial He in Shroud 34%  
 Final He in Shroud \_\_\_\_\_  
 0.00% He in Pure Air  
 Passed He tracer gas test

**Soil-Vapor Sample Log**

NY001464.0807.00156

Sample ID SGP-11A (7.5-8) Project Name and Number N-Grammer 003  
 Date 3/21/07 Sampling Personnel Prezorka  
 Time 1406  
 Weather clear 41°F

Barometric reading 30.54 inHg, Humidity 37.4%  
NE wind (2mph)

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location Bethpage NY  
 Est. depth to water (ft) 54  
 Soil type Sand  
 Odor None  
 Color reddish brown

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

**PROBE INSTALLATION**

Date 3/21/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 7.5-8'  
 Packing Material None

Location Sketch  
See separate sketch

**PURGE**

Date 3/21/07  
 Time 1406  
 Rate 100 ml/minute  
 Volume 231.5 cm<sup>3</sup>

**SAMPLE COLLECTION**

Start End  
 Sample Time 1419 1450  
 Sample Rate 100 200 ml/min  
 Sample Volume 6 Lites

**CONTAINER DESCRIPTION**

6 L Summa Canister Summa can ID 02009  
Flow controller ID 6V-15-103'

Start Pressure of 30 inHg vac  
End Pressure -5 inHg

Tracer Gas Test  Pass  Fail  Not Applicable

**Soil-Vapor Sample Log**

*Nr Grunman 003*

Sample ID SGP-11A (19.5-20)  
Date 3/21/07  
Time 12:16pm  
Weather clear 46.4°F

Project Name and Number \_\_\_\_\_  
Sampling Personnel \_\_\_\_\_

NY 001464, 0807, 00156  
Prezorski

*Barometric reading 30.60 in Hg Humidity 22.3%  
NE wind (1-2 mph)*

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>sand</u>
Odor <u>None</u>
Color <u>non reddish brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>concrete / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

**PROBE INSTALLATION**

Date 3/21/07  
Method Geoprobe Direct Push  
Diameter 1 1/2"  
Depth 19.5-20'  
Packing Material None

**Location Sketch**

*see separate sketch*

**PURGE**

Date 3/21/07  
Time 12:16pm  
Rate 100 ml/minute  
Volume 579 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time Start 12:36 End 12:47  
Sample Rate 200 ml/min  
Sample Volume 6 Lits

**CONTAINER DESCRIPTION**

6 L Summa Canister *Summa can ID 00395*  
*Flow Controller ID GV-0.5-044*

*start pressure -30 in Hg  
End pressure -5 in Hg*

Tracer Gas Test

Pass

Fail

Not Applicable

*\* This Summa not used as sample \**



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-11A (19.5-20) Project Name and Number N-Corridor 003  
 Date 3/21/07 Sampling Personnel Prezorski  
 Time 12:57 pm  
 Weather clear 46.4°F

*Became reading 30.60 in Hg Humidity 22.3%  
 NE wind (1-2 mph)*

#### DESCRIPTION OF SAMPLE LOCATION

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 54  
 Soil type sand  
 Odor none  
 Color tan reddish brown

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

#### PROBE INSTALLATION

Date 3/21/07  
 Method Geoprobe Direct Push  
 Diameter 1.75"  
 Depth 19.5-20'  
 Packing Material None

Location Sketch  
*See separate sketch*

#### PURGE

Date 3/21/07  
 Time 12:16 pm  
 Rate 100 ml/minute  
 Volume 579 cm<sup>3</sup>

*(Note) Purge 12:16 pm - 12:36 pm End*

#### SAMPLE COLLECTION

Sample Time start 1301 1341  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

#### CONTAINER DESCRIPTION

6 L Summa Canister *Summa can ID 01365*  
*Flow Control ID 6V-015031*

*Start Pressure -30 in Hg  
 End Pressure -5 in Hg*

Tracer Gas Test  Pass  Fail  Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY001464,0807,00156

Sample ID SGP-11A (39.5-40) Project Name and Number

N- Gruman 003

Date 3/23/07 Sampling Personnel

Prezorski

Time 11:25 AM

Weather overcast 61.3 F

Humidity 42.7%, Barometer reading 29.98 In Hg  
NW wind (3 mph)

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type _____
Odor <u>None</u>
Color <u>Grey</u>

<input type="checkbox"/> Indoor
Location _____
Basement <input type="checkbox"/> yes / <input checked="" type="checkbox"/> no
Room size ft x ft _____
Floor material <input type="checkbox"/> cement / <input type="checkbox"/> wood / <input type="checkbox"/> dirt
Slab Thickness (ft) _____
Visible cracks <input type="checkbox"/> yes / <input checked="" type="checkbox"/> no
Sub-slab mater dirt / gravel _____

#### PROBE INSTALLATION

Date 3/23/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 39.5-40'  
 Packing Material None

Location Sketch  
See separate sketch

#### PURGE

Date 3/23/07  
 Time 11:26 AM  
 Rate 100 ml/minute  
 Volume 1158 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time start 11:41 AM End 12:23 pm  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liter

start pressure -28.5 In Hg  
 End pressure -5 In Hg

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 01873  
 Flow controller ID GV-0.5-035

Tracer Gas Test

Pass

Fail

Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY 001464, 0807, 00156

Sample ID SGP-11 B

Project Name and Number

Granmar 003

Date 3/20/07

Sampling Personnel

Prezorski

Time 1509

Weather clear, 48.9 °F

Barometer reading 30.23 In Hg, Humidity 23%  
SW wind (5.5 mph)

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>sand</u>
Odor <u>None</u>
Color <u>light brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>cement / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 3/20/07

Method Geoprobe direct push

Diameter 1 1/2"

Depth 7.5-8'

Packing Material None

Location Sketch

See separate sketch

#### PURGE

Date 3/20/07

Time 1509

Rate 100 ml/min

Volume 234.5 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time start 1520 End 1601

Sample Rate from 200 ml/min

Sample Volume 6 Lites

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 01514  
Flow controller GV-0.5-083  
ID

start pressure over 30 In Hg vac  
End pressure 5 In Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable





Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY 001464, 0807, 00156

Sample ID SGP-11C (7-7.5)

Project Name and Number

N-Grumman OUS

Date 3/22/07

Sampling Personnel

Prezacki

Time 8:41 AM

Weather overcast 48.2°F

Barometric reading 30.15 in Hg Humidity 65.2%

South wind (2 mph)

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>5'</u>
Soil type <u>Sand</u>
Odor <u>None</u>
Color <u>rust</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>concrete / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab material <u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 3/22/07

Method Geoprobe Direct Push

Diameter 1 1/8"

Depth 7-7.5'

Packing Material None

Location Sketch

See separate sketch

#### PURGE

Date 3/22/07

Time 8:46 AM

Rate 100 ml/minute

Volume 217 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time Start 8:56 AM End 9:29 AM

Sample Rate two 200 ml/min

Sample Volume 6 Lites

#### CONTAINER DESCRIPTION

6 L Summa Canister Summa can ID 082723  
Flow controller ID 6V-15-054

start pressure over 30 in Hg vac  
End pressure -5 in Hg

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

Sample ID SGP-11D (6'8" - 7'2")  
 Date 3/23/07  
 Time 10:11 AM  
 Weather overcast 59.3°F

NY001464, 0807, 0015G  
 N - Grumman 003  
 Prezorski

Barometer reading 29.97 In Hg, Humidity 53.2%  
 NW wind (2 mph)

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 54  
 Soil type sand  
 Odor None  
 Color dark brown

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

**PROBE INSTALLATION**

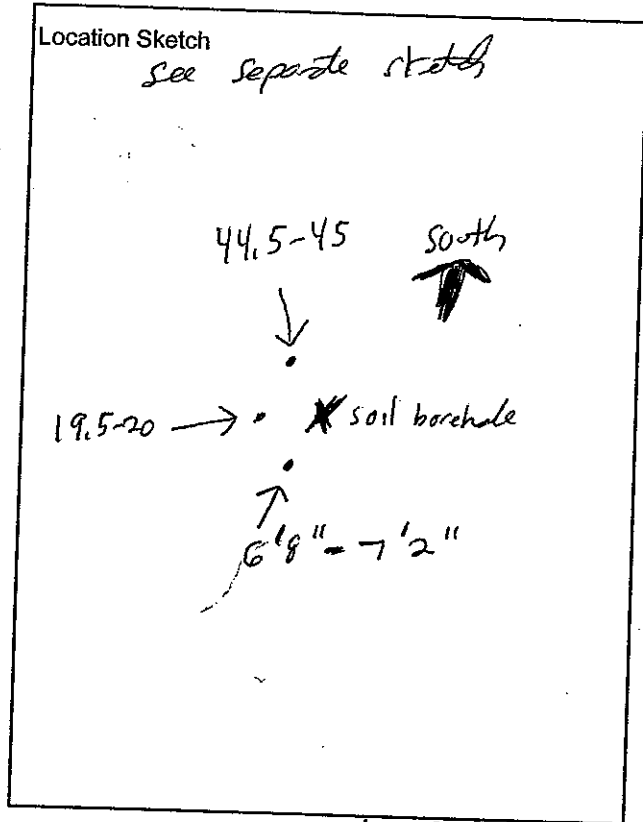
Date 3/23/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 6'8" - 7'2"  
 Packing Material None

**PURGE**

Date 3/23/07  
 Time 10:11 AM  
 Rate 100 ml/minute  
 Volume 209 cm<sup>3</sup>

**SAMPLE COLLECTION**

start \_\_\_\_\_ End \_\_\_\_\_  
 Sample Time 10:23 AM 10:58 AM  
 Sample Rate from 200 ml/min  
 Sample Volume 6



**CONTAINER DESCRIPTION**

Summa can ID 00142  
 Flow controller ID 6V-0.5-048

Start Pressure over 30 In Hg  
 End Pressure -5 In Hg

Tracer Gas Test  Pass  Fail  Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID Rep 032307  
SGP-11D (19.5-20)  
 Date 3/23/07  
 Time 8:47 AM  
 Weather overcast, 59.3 F  
 Barometer 29.97, Humidity 63.4%, NW Wind 2 mph

Project Name and Number  
 Sampling Personnel

N4001464.0807.00156  
N-Grumman 003  
Prezorsky

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/>	Outdoor
<input type="checkbox"/>	Indoor
Location	<u>Bethpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	<u>sand</u>
Odor	<u>NONE</u>
Color	<u>rust</u>

<input type="checkbox"/>	Indoor
Location	<del>_____</del>
Basement	<del>yes / no</del>
Room size ft x ft	<del>_____</del>
Floor material	<del>_____ / wood / dirt</del>
Slab Thickness (ft)	<del>_____</del>
Visible cracks	<del>yes / no</del>
Sub-slab mater	<del>dirt / gravel</del>

#### PROBE INSTALLATION

Date 3/23/07  
 Method Geoprobe Direct push  
 Diameter 1 1/2"  
 Depth 19.5-20'  
 Packing Material NONE

Location Sketch on separate paper  
SGP-11D (19.5-20) Summa ID 01258  
Flow controller GV-5-020  
start pressure over 30 inches Hg vac  
End pressure 5 inches Hg vac

#### PURGE

Date 3/23/07  
 Time 8:47 AM  
 Rate 100 ml/min (0.999 to 1.1 L/min)  
 Volume 579 cm<sup>3</sup>

Rep 032307 Summa ID 01616  
Flow controller GV-5-075  
start pressure 29.5 inches Hg vac  
End pressure 5 inches Hg vac  
start sample time: 9:08 AM  
End sample time: 9:42 AM

#### SAMPLE COLLECTION

Sample Time start 9:08 AM End 9:48 AM  
 Sample Rate 200 ml/min  
 Sample Volume 6 Lites

#### CONTAINER DESCRIPTION

6 L Summa Canister

Tracer Gas Test

Pass

Fail

Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY001464, 0807, 0015 G

Sample ID SGP-11D (44.5-45)

Project Name and Number

N-German 003

Date 3/22/07

Sampling Personnel

Prezorski

Time 1414

Weather clear 63.6°F

Barometer reading 29.96 in Hg Humidity 32%  
South wind (2 mph)

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>5'</u>
Soil type <u>Sand</u>
Odor <u>NONE</u>
Color <u>Reddish brown</u>

<input type="checkbox"/> Indoor
Location
Basement <u>yes / no</u>
Room size ft x ft
Floor material <u>cement / wood / dirt</u>
Slab Thickness (ft)
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 3/22/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 44.5-45'  
 Packing Material NONE

#### Location Sketch

See separate sketches

#### PURGE

Date 3/22/07  
 Time 1415  
 Rate 100 ml / minute  
 Volume 1303 cm<sup>3</sup>

#### SAMPLE COLLECTION

Start 1441 End 1502  
 Sample Rate 200 ml/min  
 Sample Volume 6 Ltrs

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 002580  
Flow controller ID GV-1.5-056

Start Pressure over 30 in Hg  
End Pressure -5 in Hg

Tracer Gas Test

Pass

Fail

Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-12 (5-5.5') Project Name and Number NY081464-0807.00156  
 Date 5/29/07 Sampling Personnel N-Groeman OUS  
 Time 1522  
 Weather clear, 80.5°F NW wind (1-3 mph)  
 Humidity 33.9% Barometer readings 30.04 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 5'  
 Soil type sand  
 Odor none  
 Color redish brown

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

#### PROBE INSTALLATION

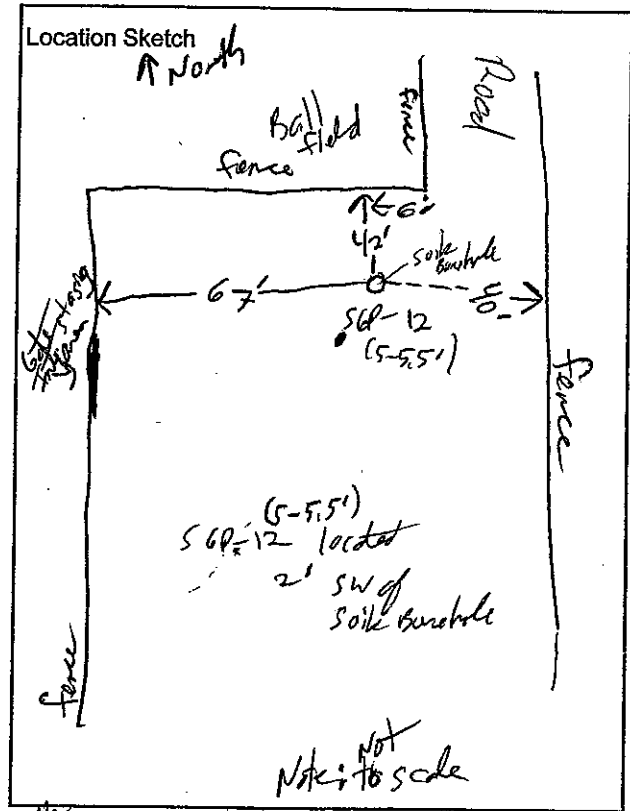
Date 5/29/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 5-5.5'  
 Packing Material none

#### PURGE

Date 5/29/07  
 Time 1525  
 Rate 100 ml/min  
 Volume 160 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time 1535 1603  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters



#### CONTAINER DESCRIPTION

6 L Summa Canister

start pressure over 30 in Hg  
 end pressure 2 in Hg  
 Flow Controller GV-0.5-027  
 Summa ID 02396

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

Sample ID SGP-13 (5-5.5') Project Name and Number NY001464, 0807, 00156  
 Date 5/29/07 Sampling Personnel N-Grammer 003  
 Time 1312  
 Weather clear, 78°F NW wind 1-2 mph  
 Humidity 35.4% Barometer reading 30.06 in Hg

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor
Location <u>Rethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>sand</u>
Odor <u>none</u>
Color <u>reddish brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>concrete / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

**PROBE INSTALLATION**

Date 5/29/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 5-5.5"  
 Packing Material none

**PURGE**

Date 5/29/07  
 Time 1315  
 Rate 100 ml/min  
 Volume 160 cm<sup>3</sup>

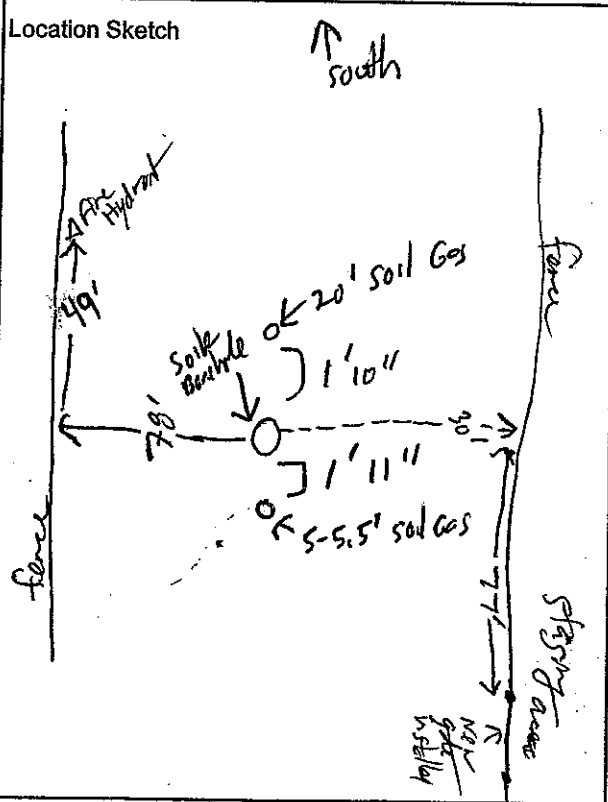
**SAMPLE COLLECTION**

Sample Time Start 1332 End 1405  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

**CONTAINER DESCRIPTION**

6 L Summa Canister

Tracer Gas Test  Pass  Fail  Not Applicable



Summa ID 003560  
 Flow controller COA-QV-0.15-004  
 Start pressure = -29.5 in Hg  
 End pressure = -5 in Hg



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-13 (19.5-20') Project Name and Number N4001464, 0807, 00156  
 Date 5/29/07 Sampling Personnel Prazorski  
 Time 11:04 AM  
 Weather clear, 78.3°F  
 Humidity 38.1% NW wind (2-4 mph)  
 Barometer reading 30.09 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Bethpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>brown</u>

<input type="checkbox"/>	Indoor
Location	<u>/</u>
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

#### PROBE INSTALLATION

Date 5/29/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 19.5-20'  
 Packing Material None

Location Sketch

See SGP-13 (19.5-20') soil vapor sample log

#### PURGE

Date 5/29/07  
 Time 11:06 AM  
 Rate 100 ml/min  
 Volume 579 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time Start 11:19 AM End 11:55 AM  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

#### CONTAINER DESCRIPTION

6 L Summa Canister

Tracer Gas Test

Pass

Fail

Not Applicable

Flow controller 6U-15-084  
 Summa can ID 01441

End pressure -5 in Hg

start pressure: -29.5 in Hg

Rep 053107

**Soil-Vapor Sample Log**

Sample ID SGP-13 (41-41.5') Project Name and Number NY000464, 0807, 00156  
 Date 5/31/07 Sampling Personnel N-Gorman DUS  
 Time 12:07 pm  
 Weather Partly cloudy 90°F  
 Humidity 41.1% Barometer reading 29.96  
 NW wind 1-3 mph

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Bethpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>brown</u>

<input type="checkbox"/>	Indoor
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

SGP-73 (41-41.5) Summa ID 003559, flow controller GV-.5-121  
 start pressure -29.5 In Hg  
 End pressure -5 In Hg

**PROBE INSTALLATION**

Date 5/31/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 41-41.5'  
 Packing Material None

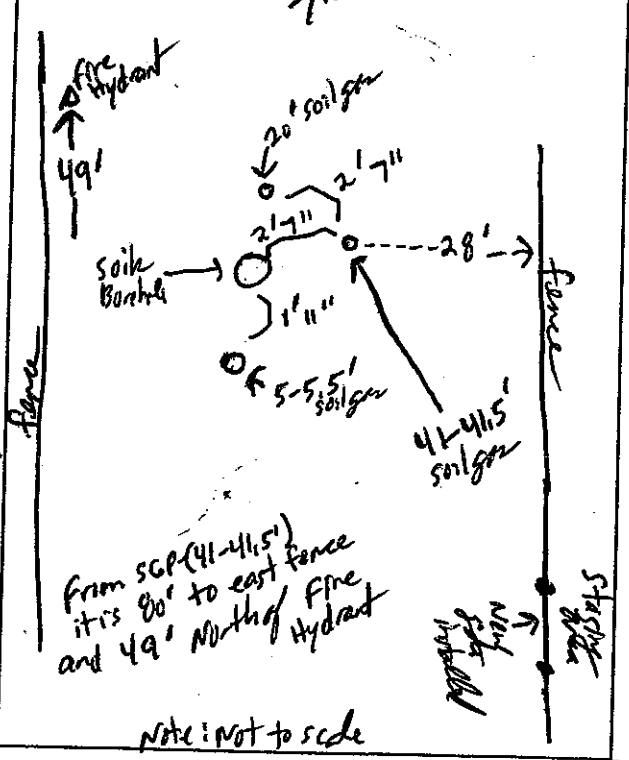
**PURGE**

Date 5/31/07  
 Time 12:11 pm  
 Rate 100 ml/min  
 Volume 1201 cm<sup>3</sup>

**SAMPLE COLLECTION**

	Start	End	Start	End
Sample Time	<u>12:38 pm</u>	<u>13:17</u>	<u>12:38</u>	<u>13:20</u>
Sample Rate	<u>200 ml/min</u>			
Sample Volume	<u>6 Liters</u>			<u>6 Liters</u>

**Location Sketch**



**CONTAINER DESCRIPTION**

6 L Summa Canister

Rep 053107 Summa ID 002669, flow controller ID GV-.5-142  
 start pressure 0 in Hg, End pressure -5 In Hg

Tracer Gas Test

Pass

Fail

Not Applicable



**Soil-Vapor Sample Log**

NY 001464.0887.00156

Sample ID SGP-14 (6-6.5')

Project Name and Number

N-Gramma DVB

Date 6/1/07

Sampling Personnel

Prezorski

Time 9:50 AM

Weather clear, 77.6°F

wind: NW (1-2 mph with gusts to 5 mph)

Humidity 60.3%, Barometer reading 29.90 in Hg

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Bothpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	<u>sand</u>
Odor	<u>none</u>
Color	<u>brown</u>

Note: Location in shaded area

<input type="checkbox"/>	Indoor
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

**PROBE INSTALLATION**

Date 6/1/07

Method Geoprobe Direct Push

Diameter 1 1/2"

Depth 6-6.5'

Packing Material none

**PURGE**

Date 6/1/07

Time 9:53 AM

Rate 100 ml/min

Volume 189 cm<sup>3</sup>

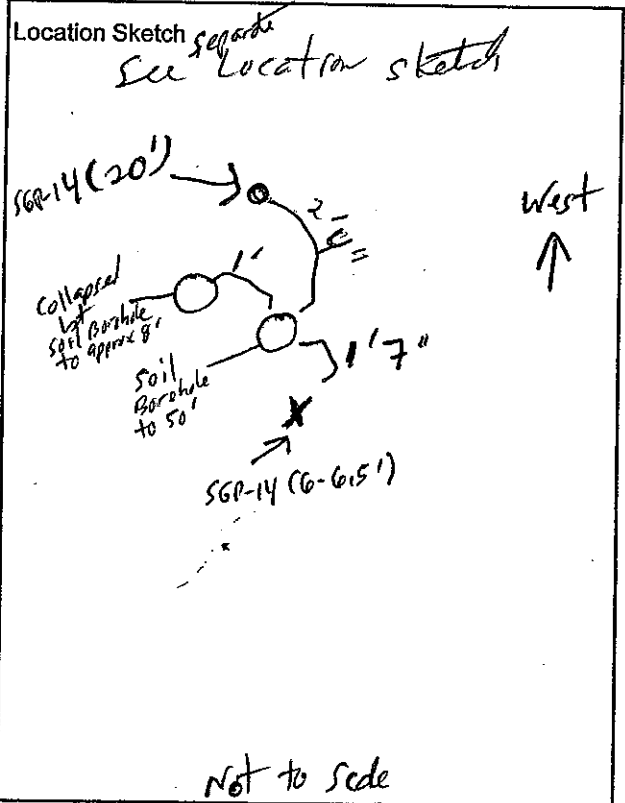
**SAMPLE COLLECTION**

start End

Sample Time 10:05 AM 10:45 AM

Sample Rate 200 ml/min

Sample Volume 6 Liter



**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa Can ID 003376  
Flow controller ID GV-0.5-035

Tracer Gas Test  Pass  Fail  Not Applicable

*start pressure -30 in Hg*  
*End pressure -5 in Hg*

**Soil-Vapor Sample Log**

NY 001464.080 700156

Sample ID SGP-14 (19.5-20) Project Name and Number N-6mmmm013  
 Date 6/1/07 Sampling Personnel Prezorski  
 Time 8:32 AM  
 Weather Hazy, 73.3°F NW (1-2mph)  
 Humidity 63.8% Barometric reading 29.92 inHg

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 54  
 Soil type sand  
 Odor None  
 Color tan

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

Note: Location in shaded area

**PROBE INSTALLATION**

Date 6/1/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 19.5-20'  
 Packing Material None

Location Sketch

See separate location sketch  
 (Also see soil-vapor log  
 SGP-14 (47.5-48))

**PURGE**

Date 6/1/07  
 Time 8:37 AM  
 Rate 100 ml/min  
 Volume 579 cm<sup>3</sup>

**SAMPLE COLLECTION** start End

Sample Time 8:48 AM 9:24 AM  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liter

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa Can ID 02262  
 Flow controller ID 6V-5-101

Tracer Gas Test  Pass  Fail  Not Applicable  
 Start Pressure -30 inHg  
 End Pressure -5 inHg

**Soil-Vapor Sample-Log**

Sample ID SGP-14 (47.5-48) Project Name and Number N-Grumman 003  
 Date 6/1/07 Sampling Personnel Pieczorski,  
 Time 1335  
 Weather clear, 87°F wind NW (1-4 mph)  
 Humidity 52.5% Barometric Pressure = 29.85 in Hg

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>sand</u>
Odor <u>None</u>
Color <u>reddish brown</u>

Sample location in shaded area

<input type="checkbox"/> Indoor
Location
Basement yes / no
Room size ft x ft
Floor material cement / wood / dirt
Slab Thickness (ft)
Visible cracks yes / no
Sub-slab mater dirt / gravel

**PROBE INSTALLATION**

Date 6/1/07  
 Method Geoprobe direct Push  
 Diameter 1.5"  
 Depth 47.5-48'  
 Packing Material None

**PURGE**

Date 6/1/07  
 Time 1337  
 Rate 100 ml/min  
 Volume 1390 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time 1357 1434  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

**CONTAINER DESCRIPTION**

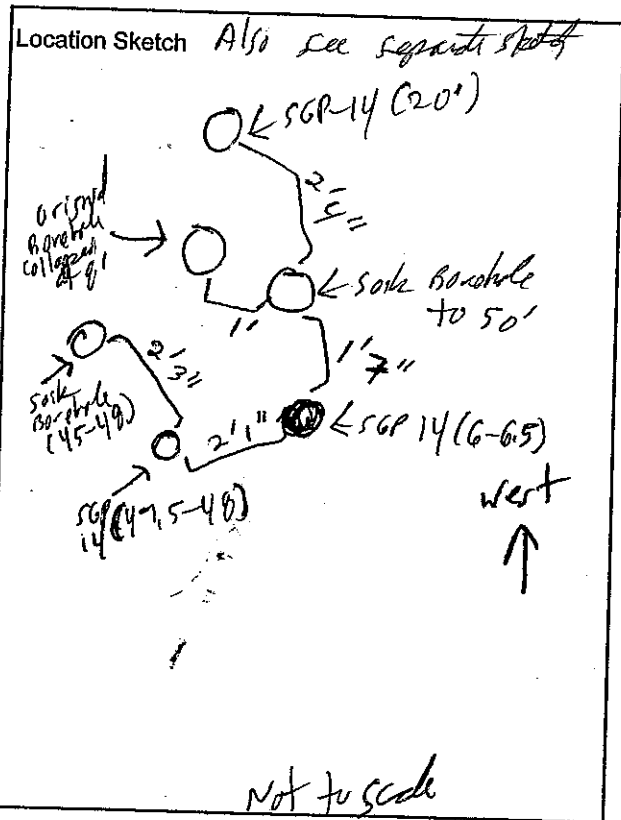
6 L Summa Canister

Tracer Gas Test

Pass

Fail

Not Applicable



Summa Can ID 002495  
 Flow controller 706V-5-149

Start Pressure -30 in Hg Pressure -4 in Hg

**Soil-Vapor Sample Log**

Sample ID SGP-15 (7.5-8) Project Name and Number NY 001464-0807-0015G  
 Date 6/5/07 Sampling Personnel N-Gummerus  
 Time 1442  
 Weather Partly cloudy, 81.5°F NW wind (2-5 mph)  
 Humidity 47.5% barometer reading 29.34 In Hg

Prezowski

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 54  
 Soil type sand  
 Odor None  
 Color brown

*Sample area in shade*

Indoor

Location \_\_\_\_\_  
 Basement yes / no \_\_\_\_\_  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no \_\_\_\_\_  
 Sub-slab mater dirt / gravel \_\_\_\_\_

**PROBE INSTALLATION**

Date 6/5/07  
 Method Geoprobe Direct Push  
 Diameter 1.25"  
 Depth 7.5-8'  
 Packing Material NONE

**PURGE**

Date 6/5/07  
 Time 1443  
 Rate 100 ml/min  
 Volume 232 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time Start 1456 End 1532  
 Sample Rate 200ml/min  
 Sample Volume 6 Lites

**CONTAINER DESCRIPTION**

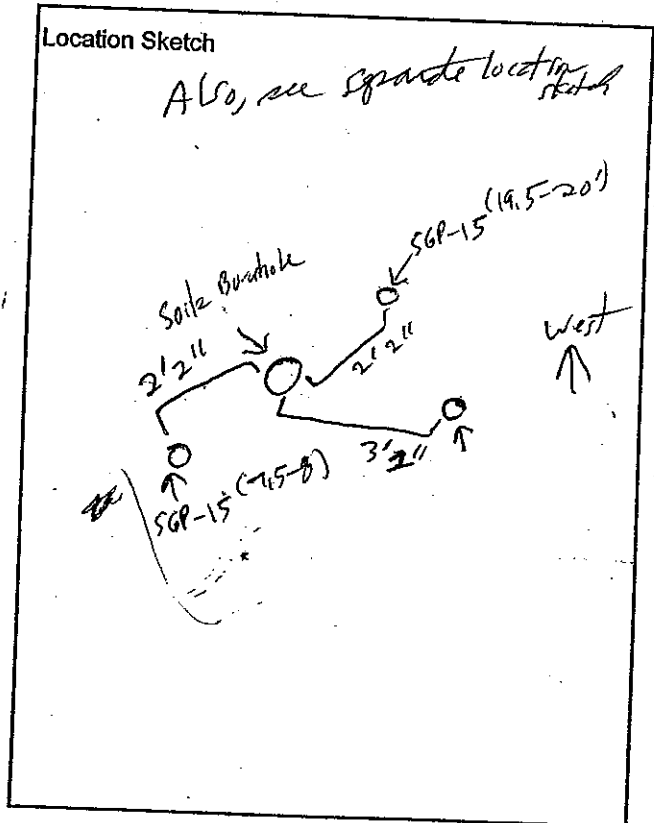
C L Summa Canister

Tracer Gas Test  Pass

Fail

Not Applicable

**Location Sketch**



Summa ID 003493  
 Flow Controller ID COA-61-015-009

Start pressure -29 In Hg End Pressure +5 In Hg

**Soil-Vapor Sample Log**

Sample ID SGP-15 (19.5-20) Project Name and Number NY 004640807.00156  
 Date 6/5/07 Sampling Personnel N-Grammer 003  
 Time 1451  
 Weather Partly cloudy, 81.5°F NW wind (2-5mph)  
 Humidity 47.9% Barometer reading 29.34 In Hg

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location Bethpage, NY  
 Est. depth to water (ft) 54  
 Soil type Sand  
 Odor NONE  
 Color tan

*Sampling area in shade*

Indoor

Location \_\_\_\_\_  
 Basement yes / no  
 Room size ft x ft \_\_\_\_\_  
 Floor material cement / wood / dirt  
 Slab Thickness (ft) \_\_\_\_\_  
 Visible cracks yes / no  
 Sub-slab mater dirt / gravel

**PROBE INSTALLATION**

Date 6/5/07  
 Method Geoprobe Direct push  
 Diameter 1.25"  
 Depth 19.5-20'  
 Packing Material NONE

**PURGE**

Date 6/5/07  
 Time 1452  
 Rate 100 ml/min  
 Volume 579 cm<sup>3</sup>

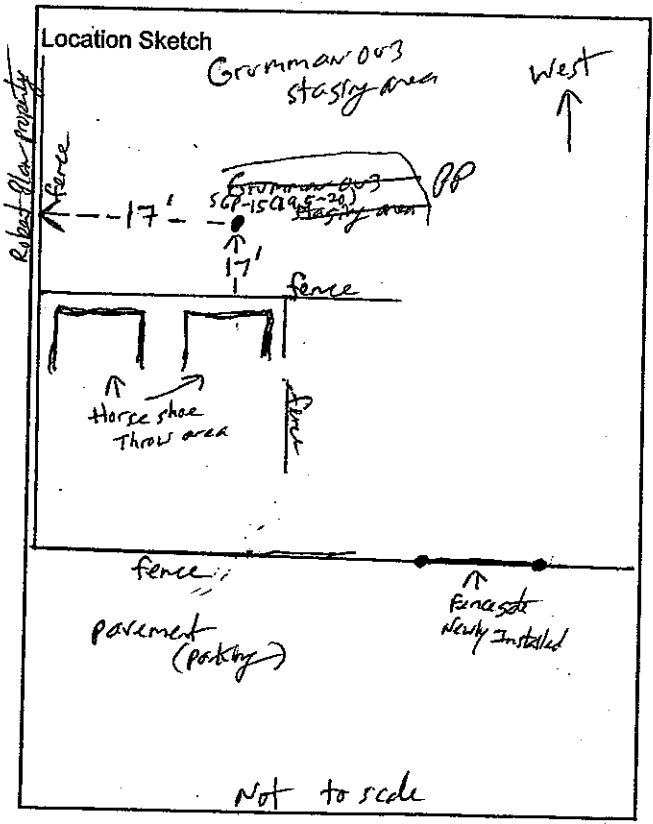
**SAMPLE COLLECTION**

Start 1459 End 1545  
 Sample Rate 200 ml/min  
 Sample Volume 0

**CONTAINER DESCRIPTION**

0 L Summa Canister

Tracer Gas Test  Pass  Fail  Not Applicable



Summa ID 01876  
 flow controller 60-15-131

start Pressure 29.5 In Hg, End Pressure 25 In Hg



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-15 (47-47.5) Project Name and Number NY0014641060710156  
 Date 6/6/07 Sampling Personnel N. Grimmer OVB  
 Time 12:04 pm  
 Weather clear, 69.5°F NW wind (1 mph)

Humidity 44.9% Barometer reading 29.70 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

Outdoor

Location Bethpage, NY

Est. depth to water (ft) \_\_\_\_\_

Soil type sand

Odor None

Color light brown

Sample location in shade

Indoor

Location \_\_\_\_\_

Basement yes / no \_\_\_\_\_

Room size ft x ft \_\_\_\_\_

Floor material cement / wood / dirt \_\_\_\_\_

Slab Thickness (ft) \_\_\_\_\_

Visible cracks yes / no \_\_\_\_\_

Sub-slab mater dirt / gravel \_\_\_\_\_

#### PROBE INSTALLATION

Date 6/6/07

Method Geoprobe direct push

Diameter 1.25"

Depth 47-47.5'

Packing Material NONE

#### PURGE

Date 6/6/07

Time 12:06 pm

Rate 100 ml/min

Volume 1375 cm<sup>3</sup>

#### SAMPLE COLLECTION

start 12:27 pm End 13:05

Sample Rate 200 ml/min

Sample Volume 6 Ltr

#### CONTAINER DESCRIPTION

6 L Summa Canister

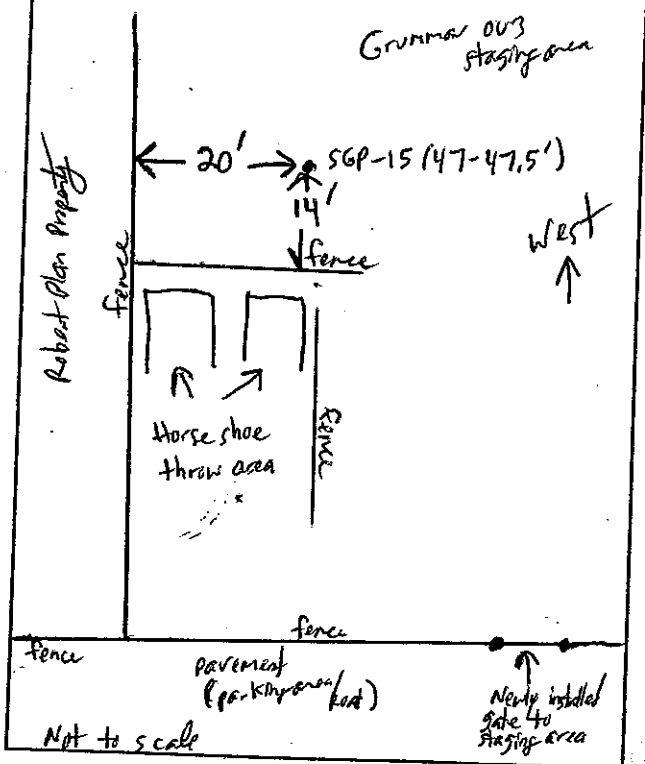
Tracer Gas Test

Pass

Fail

Not Applicable

#### Location Sketch



start pressure over -30 in Hg Summa ID 002947  
 End Pressure -5 in Hg flow controller ID CV-0.5-020

**Soil-Vapor Sample Log**

NY001464.0807.00156

Sample ID SCP-16 (7.5-8)

Project Name and Number

Date 6/4/07

Sampling Personnel

Time 1500

Weather overcast, 67.7°F

**DESCRIPTION OF SAMPLE LOCATION**

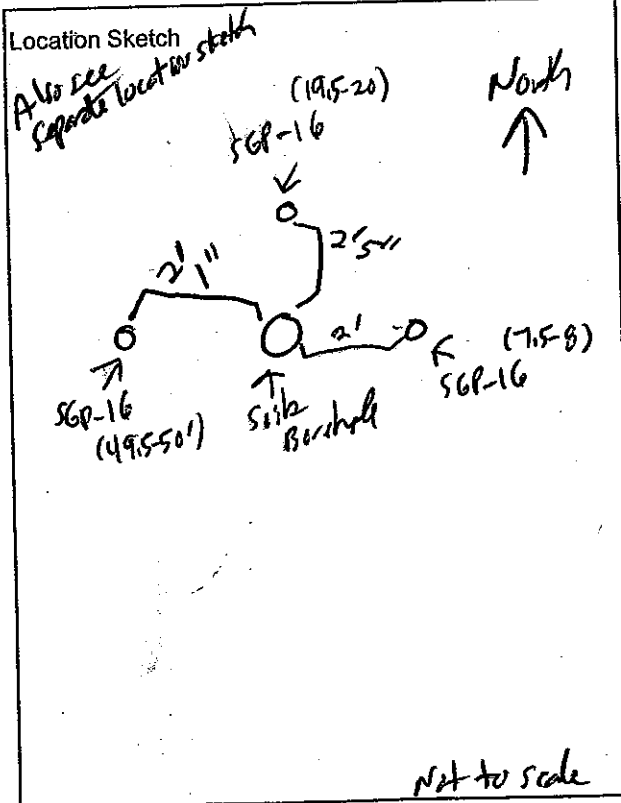
<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>Bethpage, NY</u>	
Est. depth to water (ft) <u>54</u>	
Soil type <u>sand</u>	
Odor <u>None</u>	
Color <u>reddish brown</u>	

<input type="checkbox"/> Indoor	<input checked="" type="checkbox"/> Outdoor
Location	
Basement yes / no	
Room size ft x ft	
Floor material cement / wood / dirt	
Slab Thickness (ft)	
Visible cracks yes / no	
Sub-slab mater dirt / gravel	

Humidity 82.3%, Barometric reading 29.25 In Hg  
NW wind (1-2 mph)

**PROBE INSTALLATION**

Date 6/4/07  
 Method Geoprobe Direct Push  
 Diameter 1.25"  
 Depth 7.5-8  
 Packing Material None



**PURGE**

Date 6/4/07  
 Time 1503  
 Rate 100 ml/min  
 Volume 232 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time Start 1515 End 1600  
 Sample Rate 200 ml/min  
 Sample Volume 6 Lites

**CONTAINER DESCRIPTION**

6 L Summa Canister

Tracer Gas Test  Pass  Fail  Not Applicable

Summa ID 002702  
 Flow controller ID 60-15-138

Start pressure over 30 In Hg; End pressure 5 In Hg

**Soil-Vapor Sample Log**

Sample ID SGP-16 (19.5-20) Project Name and Number N/001464.0887.00156  
 Date 6/4/07 Sampling Personnel N/001464.0887.00156  
 Time 1309  
 Weather Overcast 65°F, light rain (NW wind 2-4 mph)  
 Humidity 89.5% Barometric reading 29.22

**DESCRIPTION OF SAMPLE LOCATION**

Outdoor

Location behind house, NY

Est. depth to water (ft) 5 ft

Soil type sand

Odor none

Color light brown

Indoor

Location \_\_\_\_\_

Basement  yes / no

Room size ft x ft \_\_\_\_\_

Floor material  cement / wood / dirt

Slab Thickness (ft) \_\_\_\_\_

Visible cracks  yes / no

Sub-slab mater dirt / gravel \_\_\_\_\_

**PROBE INSTALLATION**

Date 6/4/07

Method Geoprobe Direct Push

Diameter 1.5"

Depth 19.5-20'

Packing Material none

**PURGE**

Date 6/4/07

Time 1310

Rate 100 ml/min

Volume 5.79 cu ft

**SAMPLE COLLECTION**

Sample Time Start 1324 End 1400

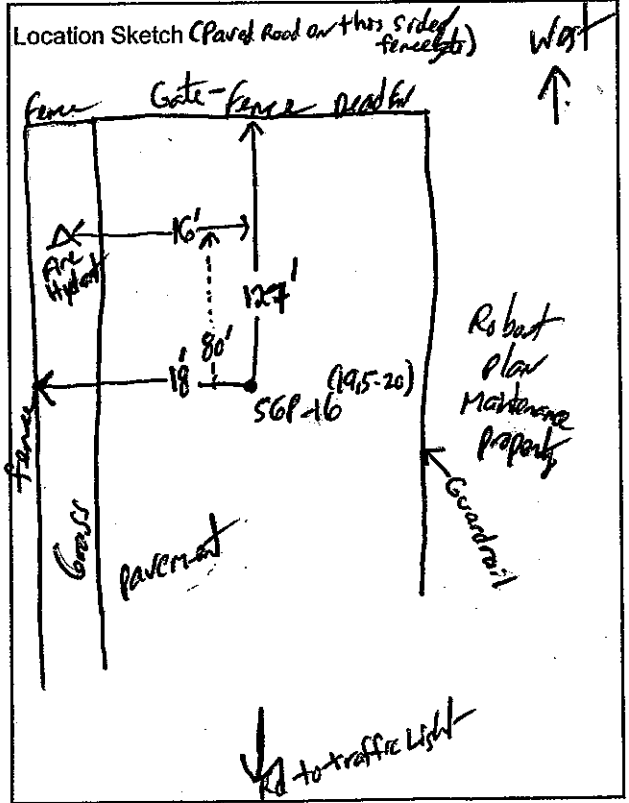
Sample Rate 200 ml/min

Sample Volume 6 Liter

**CONTAINER DESCRIPTION**

6 L Summa Canister

Tracer Gas Test  Pass



Summa ID 003558  
Flow controller ID CV-05-116

start pressure -30.5 in Hg; End pressure -5 in Hg



**Soil-Vapor Sample Log**

NY001464.0807.00156

Sample ID SGP-16 (49.5-50) Project Name and Number N- Summa-007  
 Date 6/4/07 Sampling Personnel Rozowski  
 Time 1516  
 Weather Overcast 67.8°F

Humidity 82.3%, Barometer reading 29.25 In Hg  
NW Wind (1-2 mph)

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>sand</u>
Odor <u>NONE</u>
Color <u>tan brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement yes / no _____
Room size ft x ft _____
Floor material cement / wood / dirt _____
Slab Thickness (ft) _____
Visible cracks yes / no _____
Sub-slab mater dirt / gravel _____

**PROBE INSTALLATION**

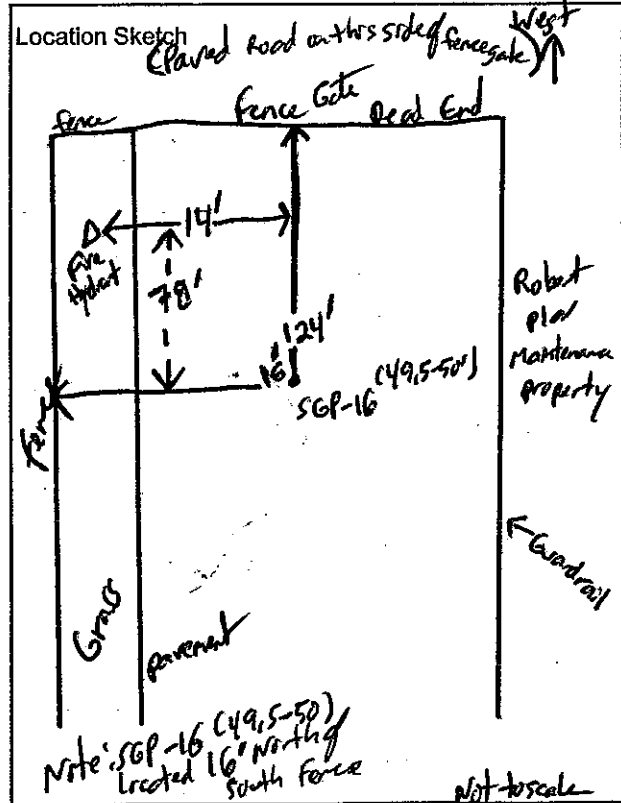
Date 6/4/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 49.5-50'  
 Packing Material NONE

**PURGE**

Date 6/4/07  
 Time 1518  
 Rate 100 ml/min  
 Volume 1447.1 cm<sup>3</sup>

**SAMPLE COLLECTION**

Start 1532 End 1613  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters



**CONTAINER DESCRIPTION**

Q L Summa Canister

Tracer Gas Test  Pass  Fail  Not Applicable

Summa ID 003543  
 flow controller ID GV-0.5-024

start pressure -30 In Hg End pressure -5 In Hg



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-19 (8.5-9) Project Name and Number N-001464.0807-00156  
 Date 6/11/07 Sampling Personnel Prezorka  
 Time 1527  
 Weather Partly cloudy 82.7°F NW wind (1-3 mph gusts to 5 mph)

Humidity 48.9% Barometer reading 29.82 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>Bethpage, NY</u>	
Est. depth to water (ft) <u>54</u>	
Soil type <u>Sand</u>	
Odor <u>None</u>	
Color <u>Reddish-orange</u>	

<input type="checkbox"/> Outdoor	<input checked="" type="checkbox"/> Indoor
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

#### PROBE INSTALLATION

Date 6/11/07  
 Method Geoprobe direct push  
 Diameter 1 1/2"  
 Depth 8.5-9'  
 Packing Material None

#### PURGE

Date 6/11/07  
 Time 1529  
 Rate 100 ml/min  
 Volume 261 cm<sup>3</sup>

#### SAMPLE COLLECTION

	start	End
Sample Time	<u>1534</u>	<u>1610</u>
Sample Rate	<u>200 ml/min</u>	
Sample Volume	<u>6 Liter</u>	

#### CONTAINER DESCRIPTION

6 L Summa Canister

Tracer Gas Test

Pass

Fail

Not Applicable

Summa ID 01429  
 Flow controller ID 65-0.5-019

Start pressure -29 in Hg; End pressure -5 in Hg



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY 001464.0507.00156

Sample ID SGP-19 (19.5-20)

Project Name and Number

N-Grummer 003

Date 6/11/07

Sampling Personnel

Prezorski

Time 1534

Weather Partly cloudy, 92.7°F

NW wind (1-3 mph gusts to 5 mph)

Humidity 48.6% Barometer reading 29.83 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Bethpage, NY</u>
Est. depth to water (ft) <u>54</u>
Soil type <u>Sand</u>
Odor <u>NONE</u>
Color <u>reddish brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>concrete / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 6/11/07

Method Geoprobe Direct Push

Diameter 1 1/2"

Depth 19.5-20'

Packing Material NONE

Location Sketch

See separate sketch

#### PURGE

Date 6/11/07

Time 1536

Rate 100 ml/min

Volume 579 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time stat 1545 End 1626

Sample Rate 200 ml/min

Sample Volume 6 Liter

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa ID 002709

Flow controller ID COA-6V-0.5-013

Tracer Gas Test  Pass

Fail

Not Applicable

start pressure -30 in Hg, End pressure -5 in Hg



ARCADIS

Soil Gas Sample Log

Sample ID SGP100-7-7.5  
 Date 6/29/2006  
 Time 2pm  
 Weather Sunny 85°F  
 Atmos. Pressure 29.88

Project/No. NY001348-0806-002  
 Sampling Personnel MW  
 Wind Speed: 3-5  
 Precipitation?: None

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

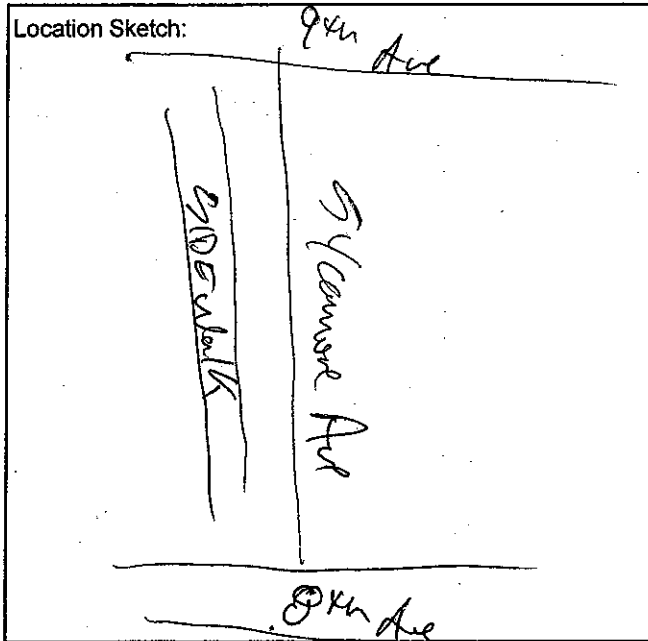
Location Bethpage, Syracuse Ave  
 Est. depth to water (ft): 54  
 Soil type: Sand & gravel  
 Odor: None  
 Color: tan-yellow

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/29/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 7.5'  
 Packing material: None



PURGE:

Date: 6/29/2006  
 Time: 2:11 - 2:19  
 Rate: 100ml/min  
 Volume: 0.8L

SAMPLE COLLECTION:

Sample Time: 2:20pm  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 2:22pm  
 Sample End Time: 2:47

CONTAINER VACUUM:

Initial Canister Vacuum: -29" Hg  
 Final Canister Vacuum: 2

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3045

ANALYTICAL METHOD:

TO15 & Freons 12+22



ARCADIS

Soil Gas Sample Log

Sample ID SGP101-(7-75)  
 Date 6/29/2006  
 Time 12:45  
 Weather Sunny 85°F  
 Atmos. Pressure 29.89

Project/No. NY 01348.0006.0002  
 Sampling Personnel MW  
 Wind Speed: 1-5 mph  
 Precipitation?: None

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

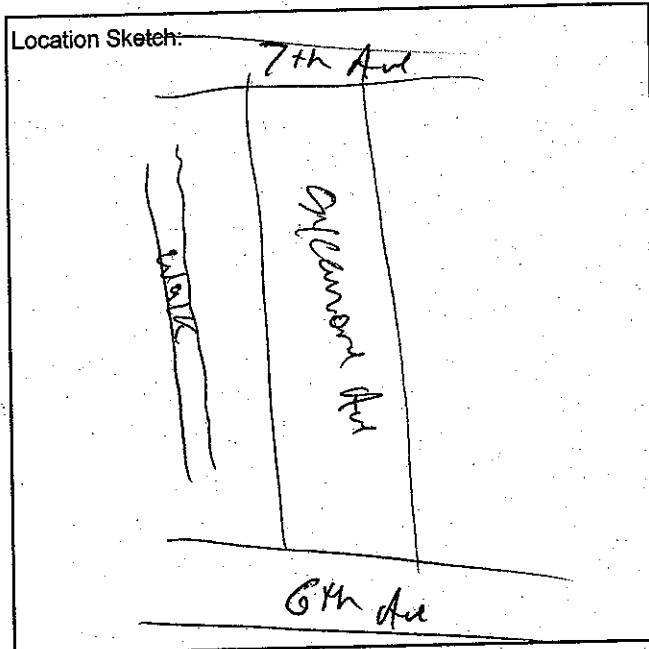
Location Beltage, Sycamore Ave  
 Est. depth to water (ft): 54  
 Soil type: Sand & gravel  
 Odor: -  
 Color: tan to rust/brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/29/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 7.5'  
 Packing material: None



PURGE:

Date: 6/29/2006  
 Time: 6 min 12:49  
 Rate: 100ml/min  
 Volume: 0.6L

SAMPLE COLLECTION:

Sample Time: 6/29/ 12:50  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 12:50  
 Sample End Time: 1:17

CONTAINER VACUUM:

Initial Canister Vacuum: -30  
 Final Canister Vacuum: -2

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 4150

ANALYTICAL METHOD:

TO15 + Freons 12+22



ARCADIS

Soil Gas Sample Log

Sample ID SGP 101-(34-34.5)  
 Date 6/29/2006  
 Time 12:00 noon  
 Weather Overcast 83°F  
 Atmos. Pressure 29.89

Project/No. Ny00 1348-0006-0002  
 Sampling Personnel MW  
 Wind Speed: 1-4 mph  
 Precipitation?: None

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Backpage, Sycamore Ave  
 Est. depth to water (ft): 59  
 Soil type: Sand & gravel  
 Odor: —  
 Color: tan & brown / rust

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/29/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 34.5'  
 Packing material: —

Location Sketch:  
See sketch on  
SGP 101-(7-7.5)

PURGE:

Date: 6/29/2006  
 Time: 12:22 - 12:43  
 Rate: 100ml/min  
 Volume: 2.1L

SAMPLE COLLECTION:

Sample Time: 12:43  
 Sample Rate: 200ml/min  
 Sample Volume: 0L  
 Sample Start Time: 12:43  
 Sample End Time: 1:10

CONTAINER VACUUM:

Initial Canister Vacuum: -32" Hg  
 Final Canister Vacuum: 2

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2957

ANALYTICAL METHOD:

TOIS & Freons 12+22

Initial He in top of Shroud 39%  
 He in Shroud After Purge 38%  
 He in purge Air 0.00%  
 Passed Helium Tracer Gas Test



ARCADIS

### Soil Gas Sample Log

Sample ID SGP101-(49-49.5)  
 Date 6/29/2006  
 Time 11:45 am  
 Weather overcast 83°F  
 Atmos. Pressure 29.89

Project/No. N0013480306002  
 Sampling Personnel mw  
 Wind Speed: 1-5 mph  
 Precipitation?: None

#### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Backpage, Sycamore Ave  
 Est. depth to water (ft): 54  
 Soil type: Sand & gravel  
 Odor: None  
 Color: tan to rust

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

#### PROBE INSTALLATION:

Date: 6/29/2006  
 Method: Direct push  
 Diameter: 2"  
 Depth: 49.5'  
 Packing material: -

#### Location Sketch:

See sketch on  
SGP101-(7-7.5)

#### PURGE:

Date: 6/29/06  
 Time: 30 min 11:44 - 12:14  
 Rate: 100ml/min  
 Volume: 3L

#### SAMPLE COLLECTION:

Sample Time: 12:15  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 12:15  
 Sample End Time: 12:45

#### CONTAINER VACUUM:

Initial Canister Vacuum: -29" Hg  
 Final Canister Vacuum: -3" Hg

#### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 5326

#### ANALYTICAL METHOD:

POC & Irons 12122

\* Trouble with threading in  
 PRT adaptor. Appears okay.



ARCADIS

### Soil Gas Sample Log

Sample ID: SGP102-7-7.5  
 Date: 6/29/2006  
 Time: 6:45am  
 Weather: overcast 76°F  
 Atmos. Pressure: 29.91

Project/No. NY001348-0006-0002  
 Sampling Personnel: MW  
 Wind Speed: 0-1  
 Precipitation?: None

#### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

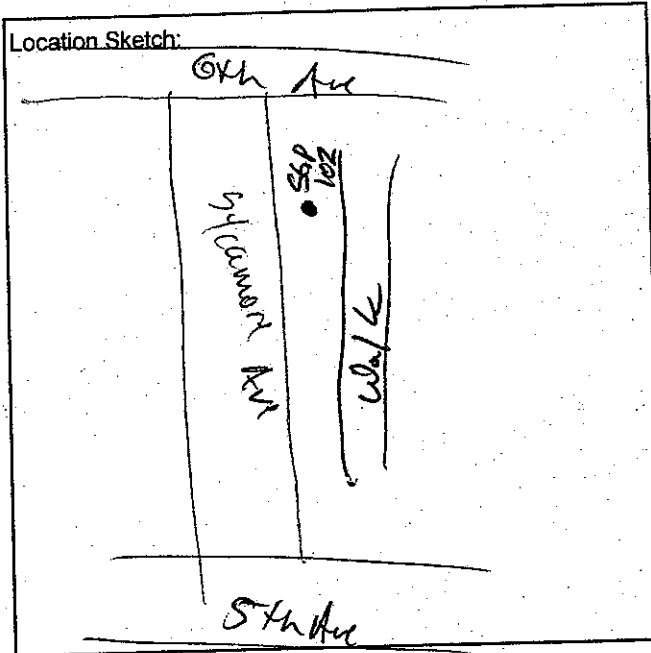
Location: Bethpage, Sycamore Ave  
 Est. depth to water (ft): \_\_\_\_\_  
 Soil type: sand + gravel  
 Odor: None  
 Color: tan-brown

Indoor

Location: \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

#### PROBE INSTALLATION:

Date: 6/29/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 7.5'  
 Packing material: None



#### PURGE:

Date: 6/29/2006  
 Time: 6:45am - 9:06  
 Rate: 100ml/min  
 Volume: 0.6L

#### SAMPLE COLLECTION:

Sample Time: 9:06-  
 Sample Rate: 200ml/min  
 Sample Volume: 200ml/min 6L  
 Sample Start Time: 9:06  
 Sample End Time: 9:35

#### CONTAINER VACUUM:

Initial Canister Vacuum: -30" Hg  
 Final Canister Vacuum: -3" Hg

#### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3549

#### ANALYTICAL METHOD:

TO15 & Freons 12+22





ARCADIS

### Soil Gas Sample Log

Sample ID SG103-(7-75)  
 Date 6/28/2006  
 Time 2:00pm  
 Weather Partly cloudy 83°F  
 Atmos. Pressure 29.89

Project/No. NY001348.0006.0000  
 Sampling Personnel MW

Wind Speed: 0-2 mph  
 Precipitation?: None, some previous night

#### DESCRIPTION OF SAMPLE LOCATION:

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Backpage, Syracuse Ave</u>
Est. depth to water (ft):	<u>NA 54</u>
Soil type:	<u>Sand &amp; gravel</u>
Odor:	<u>None</u>
Color:	<u>tan - brown</u>

<input type="checkbox"/>	Indoor
Location	
Basement:	yes / no
Room size ft x ft:	
Floor material:	cement / wood / dirt
Slab Thickness (ft):	
Visible cracks?:	yes / no
Sub-slab material:	dirt / gravel

#### PROBE INSTALLATION:

Date: 6/28/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 7.5'  
 Packing material: -

Location Sketch:

see sketch on  
SGP 103 (49-495)

#### PURGE:

Date: 6/28/2006  
 Time: 6 min 2:29-2:35  
 Rate: 100ml/min  
 Volume: 0.6 L

#### SAMPLE COLLECTION:

Sample Time: 2:35  
 Sample Rate: 200ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 2:35  
 Sample End Time: 3:05

#### CONTAINER VACUUM:

Initial Canister Vacuum: -32" Hg  
 Final Canister Vacuum: -3" Hg

#### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 4136

#### ANALYTICAL METHOD:

TO15 & Freon 12 & 22



ARCADIS

Soil Gas Sample Log (34-34.5)

Sample ID SGP 103 (7-75)  
Date 6/28/2006  
Time 2:15pm  
Weather Partly cloudy 82°F  
Atmos. Pressure 29.88

Project/No. NY0013480806-0002  
Sampling Personnel MW

Wind Speed: 0 mph  
Precipitation?: None, some previous night

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bathpage Syracuse Ave  
Est. depth to water (ft): 54  
Soil type: Sand & gravel  
Odor: None  
Color: Tan - Brown

Indoor

Location \_\_\_\_\_  
Basement: yes / no  
Room size ft x ft: \_\_\_\_\_  
Floor material: cement / wood / dirt  
Slab Thickness (ft): \_\_\_\_\_  
Visible cracks?: yes / no  
Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/28/2006  
Method: Dipped Push  
Diameter: 2"  
Depth: 34.5'  
Packing material: -

Location Sketch:

See sketch on  
SGP 103 - (49-49.5)

PURGE:

Date: 6/28/2006  
Time: 2:56 - 2:57 21 min  
Rate: 100ml/min Purged extra  
Volume: 2.1L 10 min  
for the test

SAMPLE COLLECTION:

Sample Time: 3:07pm  
Sample Rate: 200ml/min  
Sample Volume: 6L  
Sample Start Time: 3:08 3:08  
Sample End Time: 3:40

CONTAINER VACUUM:

Initial Canister Vacuum: -30" Hg  
Final Canister Vacuum: -3" Hg

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
Canister Serial Number: 3550

ANALYTICAL METHOD:

TO15 & Freons 12+22

Helium test

He in top of shroud 37%  
He in shroud after purge 33%  
He in Purge 0.05%  
Passed tracer test



ARCADIS

Soil Gas Sample Log

Sample ID: SGP 103 (34-34.5)  
 Date: 6/28/2006  
 Time: 1 pm  
 Weather: Sunny 83°  
 Atmos. Pressure: 29.88

Project/No. NY001348.0806.0007  
 Sampling Personnel: MW

Wind Speed: 24 mph  
 Precipitation?: NONE, some rain Night before

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location: Bethpage, Sycamore Ave  
 Est. depth to water (ft): 70-54  
 Soil type: sand & gravel  
 Odor: L -  
 Color: tan to brown

Indoor

Location: \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

PROBE INSTALLATION:

Date: 6/28/2006  
 Method: Direct Push  
 Diameter: 2"  
 Depth: 34.5'  
 Packing material: \_\_\_\_\_

Location Sketch:  
See sketch for SGP 103 (49-49.5)

PURGE:

Date: 6/28/2006  
 Time: 2:10 pm 1:09 / 3:30  
 Rate: 100 ml/min  
 Volume: 2L

SAMPLE COLLECTION:

Sample Time: 1:30  
 Sample Rate: 900 ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 1:30  
 Sample End Time: 2:00

CONTAINER VACUUM:

Initial Canister Vacuum: -29" Hg  
 Final Canister Vacuum: -31" Hg

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3521

ANALYTICAL METHOD:

T015 & Freon 12422

*DRIVE POINT Failed  
 TO Release Sample  
 Re-taken*



ARCADIS

Soil Gas Sample Log

Sample ID SGP 103 (99-995) Dup = SGP 103 (99-995) Project No. NV001348-0806-0012  
 Date 6/28/2006 Sampling Personnel MW  
 Time 12:30pm  
 Weather SUNNY 83°F  
 Atmos. Pressure 29.88 Wind Speed: 2-4 mph  
 Precipitation?: None, some during previous night

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

Location Bethpage, Sycamore Ave  
 Est. depth to water (ft): 54  
 Soil type: Sand & gravel  
 Odor: -  
 Color: Tan to brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

PROBE INSTALLATION:

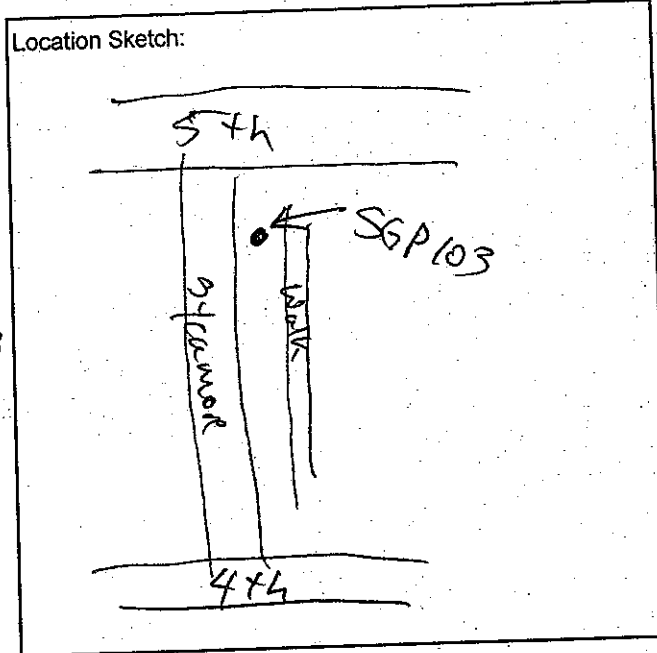
Date: 6/28/2006  
 Method: 2" Direct Push  
 Diameter: 2"  
 Depth: 49.5'  
 Packing material: -

PURGE:

Date: 6/28/2006  
 Time: 21 min 30 min 12:38-1:08  
 Rate: 100 ml/min  
 Volume: 3L

SAMPLE COLLECTION:

Sample Time: 1:08  
 Sample Rate: 200 ml/min  
 Sample Volume: 6L  
 Sample Start Time: 1:08  
 Sample End Time: 1:38



CONTAINER VACUUM:  
 Initial Canister Vacuum: -32" Hg  
 Final Canister Vacuum: -21" Hg

Dup  
-30" Hg  
-31" Hg Serial # for Dup SGP 103 (99-995)  
 = 3368

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 3165

ANALYTICAL METHOD:

TOL5 & Freon 12+22



ARCADIS

# Soil Gas Sample Log

Sample ID SGP104-(7-7.5)  
 Date 6/26/2006 6/27/2006  
 Time 2:30pm  
 Weather SUNNY 82°  
 Atmos. Pressure 30.04" Hg

Project No. NY001348.0006.0002  
 Sampling Personnel MW  
 Wind Speed: 5-8 mph  
 Precipitation?: -

### DESCRIPTION OF SAMPLE LOCATION:

Outdoor

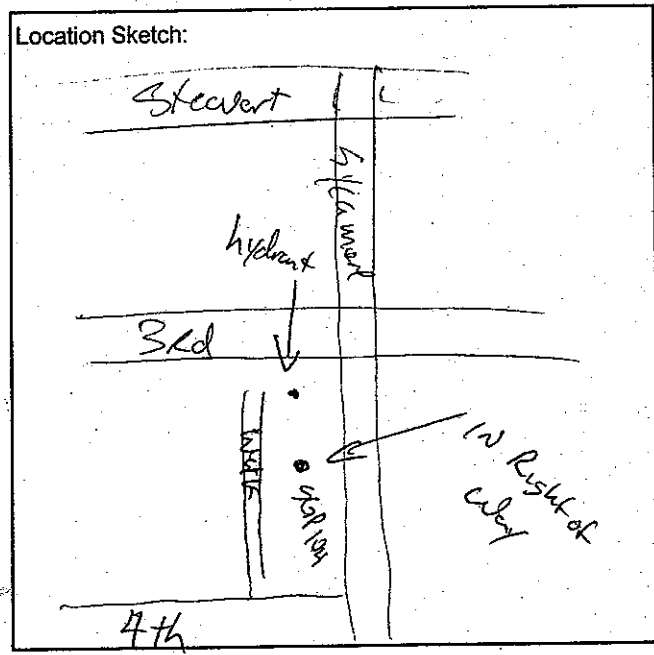
Location Sycamore Rd. Bathpage  
 Est. depth to water (ft): 54  
 Soil type: soil & gravel  
 Odor: tan & brownish  
 Color: None

Indoor

Location \_\_\_\_\_  
 Basement: yes / no \_\_\_\_\_  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt \_\_\_\_\_  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no \_\_\_\_\_  
 Sub-slab material: dirt / gravel \_\_\_\_\_

### PROBE INSTALLATION:

Date: 6/26/2006  
 Method: Direct Push  
 Diameter: 2 1/2"  
 Depth: 7.5'  
 Packing material: \_\_\_\_\_



### PURGE:

Date: 6/26/06  
 Time: 2:27-2:33  
 Rate: 100ml/min  
 Volume: 0.6L

### SAMPLE COLLECTION:

Sample Time: 2:55-2:55  
 Sample Rate: 200ml/min  
 Sample Volume: 6L  
 Sample Start Time: 2:55  
 Sample End Time: 3:05

### CONTAINER VACUUM:

Initial Canister Vacuum: -32" Hg  
 Final Canister Vacuum: -3" Hg

### CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 4/44

### ANALYTICAL METHOD:

T015 & Freons 12 & 22



ARCADIS

Soil Gas Sample Log

Sample ID SGP105-(7-7.5)  
 Date 6/26/2006 6/27/2006  
 Time 10 am  
 Weather SUNNY 85°F  
 Atmos. Pressure 30.09

Project/No. NY001348.0006.0002  
 Sampling Personnel MW  
 Wind Speed: 1-2 mph  
 Precipitation?: none

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

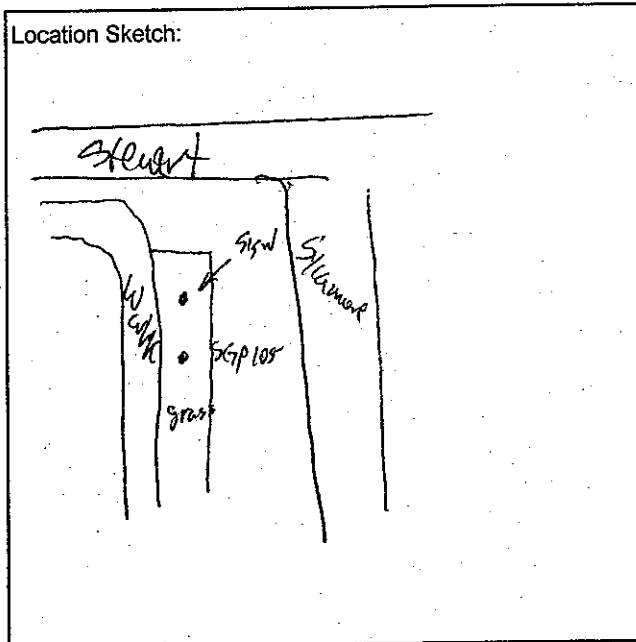
Location Sycamore ave  
 Est. depth to water (ft); -  
 Soil type: sand & gravel  
 Odor: none  
 Color: reddish brown

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/26/2006  
 Method: Direct Push  
 Diameter: 2 1/2"  
 Depth: 8'  
 Packing material: -



PURGE:

Date: 6/26/2006  
 Time: 6 am 10:07-10:43  
 Rate: 100 ml/min  
 Volume: 0.6 L

SAMPLE COLLECTION:

Sample Time: 10:15 - 10:45  
 Sample Rate: 200 ml/min  
 Sample Volume: 6 L  
 Sample Start Time: 10:14  
 Sample End Time: 10:44

CONTAINER VACUUM:

Initial Canister Vacuum: -30" Hg  
 Final Canister Vacuum: -2" Hg

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 4142

ANALYTICAL METHOD:

T015 & F0005 12/22



ARCADIS

Soil Gas Sample Log

Sample ID SGP 107 (7-7.5)  
 Date 6/26/2006 6/27/2006  
 Time 12:20 p  
 Weather Sunny 84°F  
 Atmos. Pressure 30.05" Hg

Project/No. NY001348.0006.0002  
 Sampling Personnel MW  
 Wind Speed: 4-6 mph  
 Precipitation?: None

DESCRIPTION OF SAMPLE LOCATION:

Outdoor

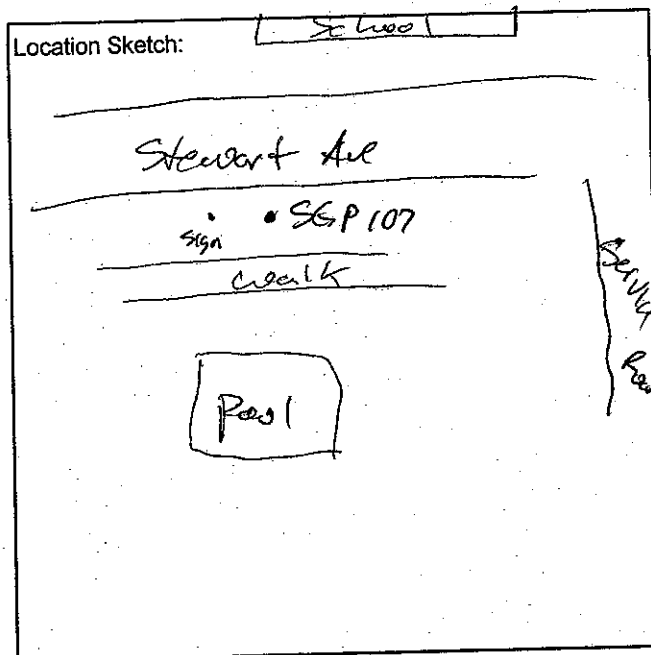
Location Bethpage Park Stewart Ave  
 Est. depth to water (ft): —  
 Soil type: Sand & gravel  
 Odor: no  
 Color: Tan / yellow / w/

Indoor

Location \_\_\_\_\_  
 Basement: yes / no  
 Room size ft x ft: \_\_\_\_\_  
 Floor material: cement / wood / dirt  
 Slab Thickness (ft): \_\_\_\_\_  
 Visible cracks?: yes / no  
 Sub-slab material: dirt / gravel

PROBE INSTALLATION:

Date: 6/26/2006  
 Method: Direct Push  
 Diameter: 2 1/2"  
 Depth: 7.5'  
 Packing material: —



PURGE:

Date: 6/26/2006  
 Time: 12:21-12:27  
 Rate: 100ml/min  
 Volume: 0.6 L

SAMPLE COLLECTION:

Sample Time: 12:30  
 Sample Rate: 200 ml/min  
 Sample Volume: 0 L  
 Sample Start Time: 12:27  
 Sample End Time: 12:55

CONTAINER VACUUM:

Initial Canister Vacuum: -30" Hg  
 Final Canister Vacuum: -3" Hg

CONTAINER DESCRIPTION:

Canister: 6-L Summa  
 Canister Serial Number: 2532

ANALYTICAL METHOD:

TO15 & Freons 12 + 11

## Soil-Vapor Sample Log

NY 001464.0807.001SG

Sample ID SGP-108 (7.5-8)

Project Name and Number N- Grumman 003

Date 4/4/07

Sampling Personnel Prezorski

Time 1400

Weather overcast, Rain, 42.8 F

Humidity 88.3%, Barometer reading 29.61 in Hg  
0 mph wind speed

### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
Location	<u>N. Sixth street; Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>rust</u>

<input type="checkbox"/> Indoor	
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

### PROBE INSTALLATION

Date 4/4/07

Method Geoprobe Direct Push

Diameter 1 1/2"

Depth 7.5-8'

Packing Material None

### PURGE

Date 4/4/07

Time 1400

Rate 100 ml/minute

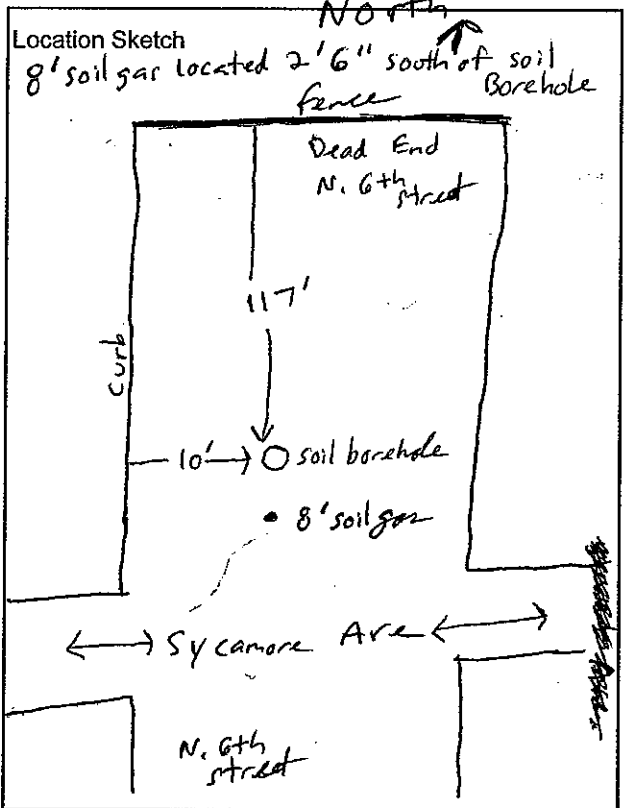
Volume 231.5 cm<sup>3</sup>

### SAMPLE COLLECTION

Start 1414 End 1451

Sample Rate 200 ml/min

Sample Volume 6 LITER



### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 002656  
Flow controller ID COA-600.5-007

Start Pressure over 30 in Hg vac  
End Pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable



**Soil-Vapor Sample Log**

N4001464.0807.0015G

Sample ID SGP-108 (19.5-20)

Project Name and Number N-Grumman 013

Date 4/5/07

Sampling Personnel Prezorski

Time 9:03 AM

Weather overcast, snowing 39.9 F

Barometer reading 29.52 in Hg, Humidity 90.4%  
NW wind wind speed 3-5 mph

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>N. Sixth street; Bethpage, NY</u>	
Est. depth to water (ft) <u>53</u>	
Soil type <u>sand</u>	
Odor <u>none</u>	
Color <u>Brown</u>	

<input type="checkbox"/> Outdoor	<input checked="" type="checkbox"/> Indoor
Location _____	
Basement yes / no _____	
Room size ft x ft _____	
Floor material cement / wood / dirt _____	
Slab Thickness (ft) _____	
Visible cracks yes / no _____	
Sub-slab mater dirt / gravel _____	

**PROBE INSTALLATION**

Date 4/5/07

Method Geoprobe direct push

Diameter 1 1/2"

Depth 19.5-20'

Packing Material NONE

**PURGE**

Date 4/5/07

Time 9:05 AM

Rate 100 ml/minute

Volume 579 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time start 9:23 AM End 10:00 AM

Sample Rate 200ml/min

Sample Volume 6 Liter

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa can ID 002554

Flow controller ID GV-0.5-0.31

start pressure over 30 in Hg vac

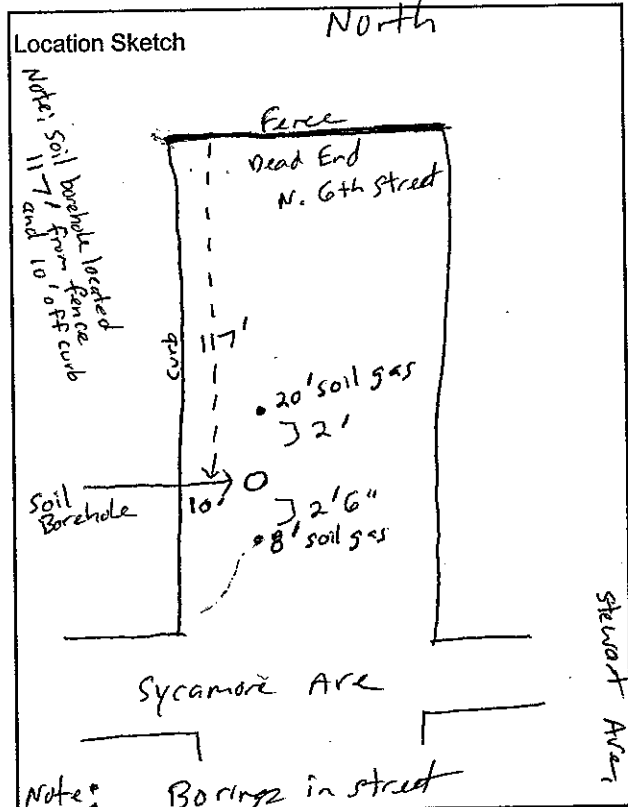
End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable



Location Sketch

North

Notes: Soil borehole located 11' 7' and 10' from fence curb

Soil Borehole

Note: Boring in street

## Soil-Vapor Sample Log

NY001464.0807.00156

Sample ID SGP-108 (48.5-49) Project Name and Number Crumpton OUS  
 Date 4/17/07 Sampling Personnel Ric Zariski  
 Time 12:18 pm  
 Weather Mostly cloudy, 48.5°F  
 Barometric reading 29.130 in Hg, Humidity 43.2%  
 (NW Wind (Wind speed 7-10 mph))

### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>N 6th Street, Bethpage, NY</u>	
Est. depth to water (ft) <u>53</u>	
Soil type <u>sand</u>	
Odor <u>NONE</u>	
Color <u>tan</u>	

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location	
Basement yes / no	
Room size ft x ft	
Floor material cement / wood / dirt	
Slab Thickness (ft)	
Visible cracks yes / no	
Sub-slab mater dirt / gravel	

### PROBE INSTALLATION

Date 4/17/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 48.5-49'  
 Packing Material NONE

### PURGE

Date 4/17/07  
 Time 12:18 pm  
 Rate 100 ml/minute  
 Volume 1418 cm<sup>3</sup>

### SAMPLE COLLECTION

Start 12:46 pm End 1:31 pm  
 Sample Rate 200 ml/min  
 Sample Volume 6 Lites

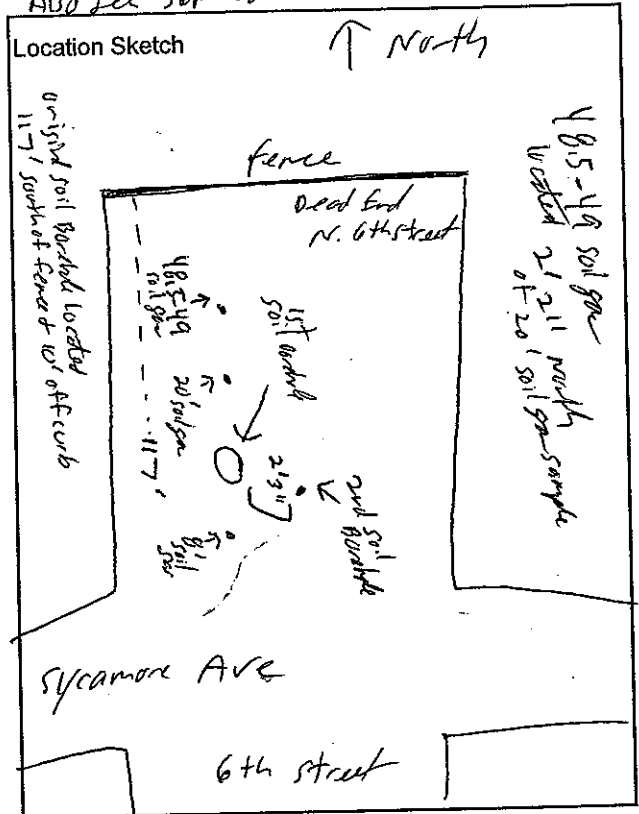
### CONTAINER DESCRIPTION

6 L Summa Canister  
 Summa can ID 00348  
 Flow controller ID GV-05-108

Tracer Gas Test

Pass  Fail  Not Applicable

Also see SGP-108 (19.5-20) soil vapor sample log sketch



Start Pressure 28 in Hg vac  
 End Pressure



# ARCADIS

Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY 001464, 0807, 00156

Sample ID SGP-109 (7.5-8)  
 Date 4/2/07  
 Time 9:48 AM  
 Weather Overcast, 52°F

Project Name and Number \_\_\_\_\_  
 Sampling Personnel \_\_\_\_\_

N-Grammer OVS  
Prezorski

Humidity 63.2%, Barometer reading 29.82 in Hg  
 No wind

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>N. 5th Street, Bathpage, NY</u>
Est. depth to water (ft) <u>53</u>
Soil type <u>sand</u>
Odor <u>None</u>
Color <u>Light brown, rust</u>

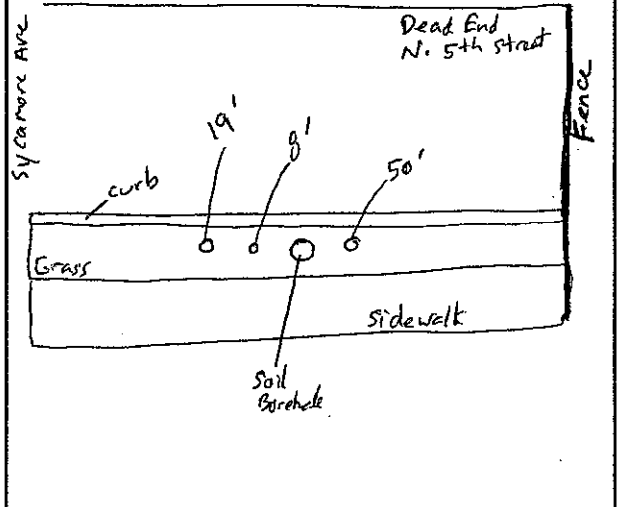
<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>cement / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater dirt / gravel _____

#### PROBE INSTALLATION

Date 4/2/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 7.5-8'  
 Packing Material None

#### Location Sketch

Notes: Soil Borehole located 79' South of fence. All boreholes 2' apart. All borings on grass.



#### PURGE

Date 4/2/07  
 Time 9:53 AM  
 Rate 100 ml/min (1.006 L/min/minute)  
 Volume 231.5 cm<sup>3</sup>

#### SAMPLE COLLECTION

Start 10:04 AM End 10:49 AM  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 00567  
 Flow Controller ID GV-5-133

Start pressure over 30 in Hg vac  
 End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY001464, 0807, 0015G

Sample ID SGP-109 (19-19.5)

Project Name and Number

N-Grover 003

Date 4/2/07

Sampling Personnel

Prezorski

Time 1321

Weather Overcast, 59.1 F

Humidity 57.3%, Barometer 29.78 in Hg  
reading

NW wind  
0-1.2 mph

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
<input type="checkbox"/> Indoor	
Location	<u>N. 5th Street, Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>Brown</u>

<input type="checkbox"/> Outdoor	
<input checked="" type="checkbox"/> Indoor	
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

#### PROBE INSTALLATION

Date 4/2/07

Method Geoprobe direct Push

Diameter 1 1/2"

Depth 19-19.5'

Packing Material None

#### Location Sketch

See SGP-109 (7.5-8) sample log

#### PURGE

Date 4/2/07

Time 1324

Rate 100 ml/min

Volume 565 cm<sup>3</sup>

#### SAMPLE COLLECTION

	Start	End
Sample Time	<u>1338</u>	<u>1416</u>
Sample Rate	<u>Avr 200 ml/min</u>	
Sample Volume	<u>6 Lites</u>	

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 01293  
Flow controller ID 6V-0.5-046

Start pressure over 30 in Hg vac  
End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

NY001464.0807.001SG

Sample ID SGP-109 (49.5-50)  
Date 4/2/07  
Time 11:40 AM  
Weather Overcast 53.2 F  
Humidity 60.5% Barometer reading 29.81 in Hg  
Wind speed 1.3 mph  
NW wind

Project Name and Number N-Grammar 003  
Sampling Personnel Prezorski

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>N. 5th Street, Bethpage, NY</u>	
Est. depth to water (ft) <u>53</u>	
Soil type <u>Sand</u>	
Odor <u><del>unknown</del></u>	
Color <u>unknown</u>	

<input type="checkbox"/> Indoor	<input checked="" type="checkbox"/> Outdoor
Location	
Basement yes / no	
Room size ft x ft	
Floor material cement / wood / dirt	
Slab Thickness (ft)	
Visible cracks yes / no	
Sub-slab mater dirt / gravel	

**PROBE INSTALLATION**

Date 4/2/07  
Method Geoprobe Direct Push  
Diameter 1 1/2"  
Depth 49.5-50'  
Packing Material None

Location Sketch  
See SGP-109 (7.5-8) Sample Log

**PURGE**

Date 4/2/07  
Time 11:42 AM  
Rate 100 ml/min (1008 L/hr / 60 minutes)  
Volume 1447.1 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time start 12:02 pm End 12:41 pm  
Sample Rate 200 ml/min  
Sample Volume 6 Lites

Start Pressure 29.5 in Hg vac  
End Pressure 5 in Hg vac

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa can ID 00373  
Flow controller ID GV-.5-127

Tracer Gas Test  Pass  Fail  Not Applicable



Infrastructure, environment, facilities

Soil-Vapor Sample Log

Sample ID SGP-110 (7.5-8)  
 Date 3/26/07  
 Time 1340  
 Weather overcast, 51.6 F

Project Name and Number  
 Sampling Personnel

NY001464.0807.001SG  
Grumman 0V3  
Prezorski

*Barometric reading* 30.14, Humidity 52.2%, Wind SW 1.5-2 mph

DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Sycamore Ave, Bethpage NY</u>
Est. depth to water (ft)	
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>rust</u>

<input type="checkbox"/>	Indoor
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

PROBE INSTALLATION

Date 3/26/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 7.5-8'  
 Packing Material None

PURGE

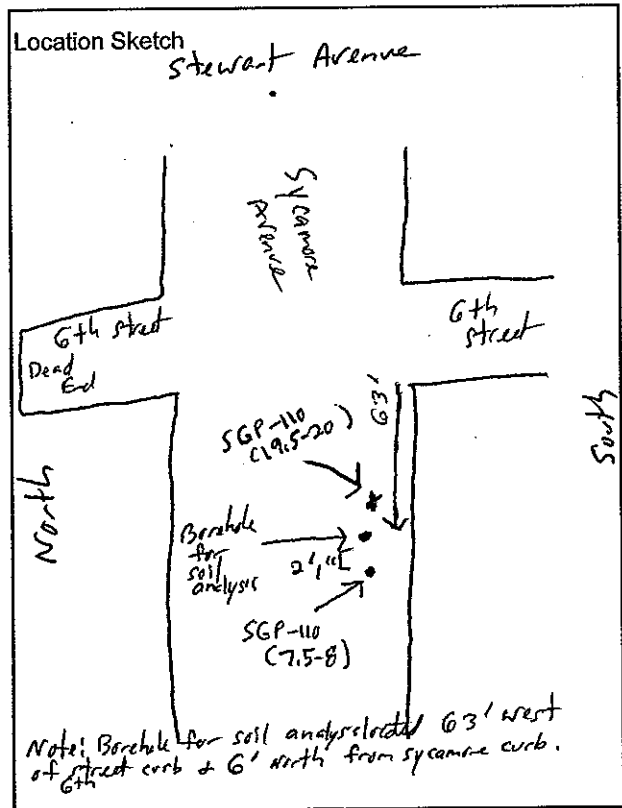
Date 3/26/07  
 Time 1343  
 Rate 100 ml/min  
 Volume 232 cm<sup>3</sup>

SAMPLE COLLECTION

	Start	End
Sample Time	<u>1353</u>	<u>1446</u>
Sample Rate	<u>200 ml/min</u>	
Sample Volume	<u>1.5 Liter</u>	

CONTAINER DESCRIPTION

1.5 L Summa Canister *Summa ID 02176*  
 Flow Controller GV-.5-131



start pressure open 30 inches Hg vac  
 End pressure 5 inches Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

NY001464.0807.001SG

Sample ID SGP-110 (19.5-20)  
Date 3/26/07  
Time 12:15pm  
Weather overcast, 54.5°F

Project Name and Number \_\_\_\_\_  
Sampling Personnel \_\_\_\_\_

Grumman 0V3  
Prezorski

*Barometric reading* 30.21, Humidity 42.8%, wind SE 1-1.5mph

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor
Location <u>Sycamore Ave, Bethpage NY</u>
Est. depth to water (ft) _____
Soil type <u>Sand</u>
Odor <u>NONE</u>
Color <u>light rust</u>

<input type="checkbox"/> Indoor
Location _____
Basement yes / no _____
Room size ft x ft _____
Floor material cement / wood / dirt _____
Slab Thickness (ft) _____
Visible cracks yes / no _____
Sub-slab mater dirt / gravel _____

**PROBE INSTALLATION**

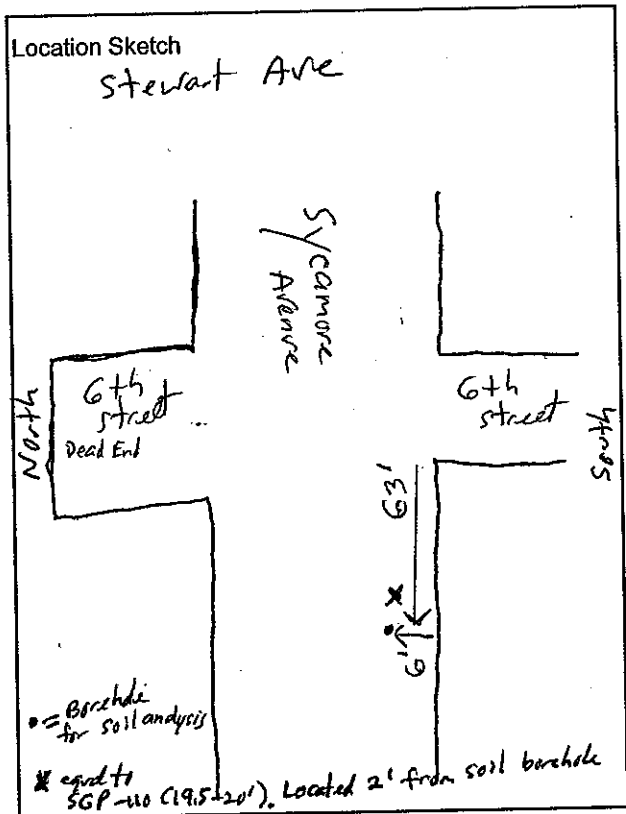
Date 3/26/07  
Method Geoprobe Direct push  
Diameter 1 1/2"  
Depth 19.5 - 20'  
Packing Material NONE

**PURGE**

Date 3/26/07  
Time 12:20pm  
Rate 100 ml/min (C. 100 Liter)  
Volume 579 cm<sup>3</sup>

**SAMPLE COLLECTION**

start \_\_\_\_\_ End \_\_\_\_\_  
Sample Time 12:36pm 1:36pm  
Sample Rate 200 ml/min  
Sample Volume 1.5 Liter



**CONTAINER DESCRIPTION** Summa ID. 00298  
1.5 L Summa Canister Flow Controller COA-GV-0.5-005

Tracer Gas Test  Pass  Fail  Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY001464, 0807, 00156

Sample ID SGP-110 (49,5-50)  
 Date 3/29/07  
 Time 15:15  
 Weather clear 55°F

Project Name and Number \_\_\_\_\_  
 Sampling Personnel \_\_\_\_\_

N - Grammar 003  
Prezorki

Barometer reading 30.15 in Hg, Humidity 11.2%  
 West wind  
 wind speed 4-6 mph

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
Location	<u>Sycamore Ave, Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>sand</u>
Odor	<u>none</u>
Color	<u>—</u>

<input type="checkbox"/> Indoor	
Location	_____
Basement	yes / no
Room size ft x ft	_____
Floor material	cement / wood / dirt
Slab Thickness (ft)	_____
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

#### PROBE INSTALLATION

Date 3/29/07  
 Method Geoprobe direct push  
 Diameter 1 1/2"  
 Depth 49,5-50'  
 Packing Material NONE

#### PURGE

Date 3/29/07  
 Time 1500  
 Rate 100 ml/min  
 Volume 1447.1 cm<sup>3</sup>

#### SAMPLE COLLECTION

Start \_\_\_\_\_ End \_\_\_\_\_  
 Sample Time 1516 1548  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liter

#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can FD 02324  
 controller FD GV-015-023

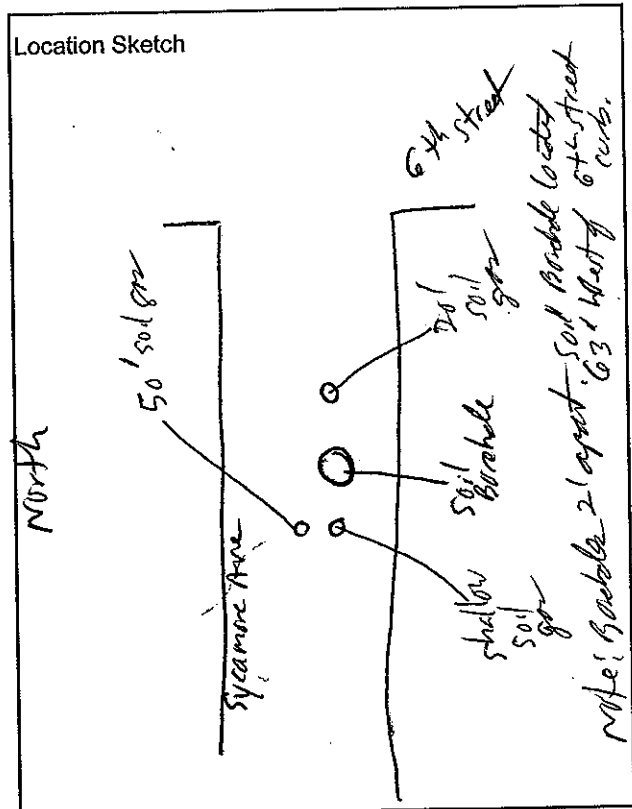
start pressure 29 in Hg vac  
 End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable





**Soil-Vapor Sample Log**

NY001464.0807.0015G

Sample ID SGP-111 (7.5-8)  
Date 4/6/07  
Time 9:05 AM

Project Name and Number N-Grammar 003  
Sampling Personnel Prezorski

Weather Mostly cloudy 37.5 F

Barometer reading 29.62 inHg Humidity 38.5%  
SW wind Average wind speed 2-3 mph with gusts to 6 mph

**DESCRIPTION OF SAMPLE LOCATION**

Location	<input checked="" type="checkbox"/> Outdoor <u>Sycamore Ave - Bathpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>sand</u>
Odor	<u>NONE</u>
Color	<u>rust</u>

Location	<input type="checkbox"/> Indoor
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

**PROBE INSTALLATION**

Date 4/6/07  
Method Geoprobe Direct Push  
Diameter 1 1/2"  
Depth 7.5-8'  
Packing Material NONE

**PURGE**

Date 4/6/07  
Time 9:07 AM  
Rate 100 ml/minute  
Volume 231.5 cm<sup>3</sup>

**SAMPLE COLLECTION**

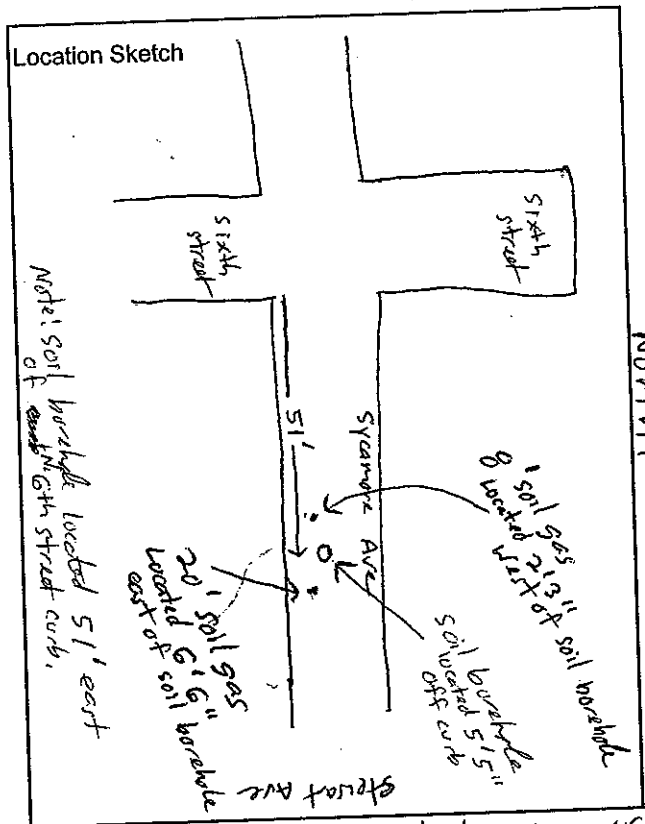
Start 9:16 AM End 10:07 AM  
Sample Rate 200 ml/min  
Sample Volume 6 Liter

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa can ID 002679  
Flow controller ID GV-.5-.081

start pressure over 30 inHg  
End pressure 5 inHg vac.



Tracer Gas Test

Pass  Fail  Not Applicable

## Soil-Vapor Sample Log

NY001464, 0807, 0015G

Sample ID SGP-111 (19.5-20)

Project Name and Number

N-Groverman 003

Date 4/6/07

Sampling Personnel

Prezorski

Time 11:02 AM

Weather Mostly cloudy, snowflurries

41.1 F, Barometer reading 29.61 in Hg, Humidity 32.5%  
SW wind, wind speed 3 mph

### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Sycamore Ave, Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>Sand</u>
Odor	<u>NONE</u>
Color	<u>Brown</u>

<input type="checkbox"/>	Indoor
Location	<u>/</u>
Basement	<u>yes / no</u>
Room size ft x ft	<u>/</u>
Floor material	<u>concrete / wood / dirt</u>
Slab Thickness (ft)	<u>/</u>
Visible cracks	<u>yes / no</u>
Sub-slab mater	<u>dirt / gravel</u>

### PROBE INSTALLATION

Date 4/6/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 19.5-20'  
 Packing Material NONE

### Location Sketch

See SGP-111 (7.5-8) soil-vapor sample log

### PURGE

Date 4/6/07  
 Time 11:03 AM  
 Rate 100 ml/minute  
 Volume 579 cm<sup>3</sup>

### SAMPLE COLLECTION

Sample Time start 11:27 AM End 12:05 pm  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 02169  
 Flow controller ID 6V-.5-103

start pressure over 30 in Hg vac  
 End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable

Soil-Vapor Sample Log

NY 081464.0 807.00 USG

Sample ID SOP-111 (49.5-50)  
Date 4/16/07  
Time 12:08 pm  
Weather overcast 46.5°F

Project Name and Number  
Sampling Personnel

Crumman 003  
Prezorski

Humidity ~~56.4%~~ 56.4% Barometer reading 28.69 in Hg  
SW wind (2-3 mph)

DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
Location	<u>Sycamore Ave, Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>Sand</u>
Odor	<u>NONE</u>
Color	<u>---</u>

<input type="checkbox"/> Indoor	
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

PROBE INSTALLATION

Date 4/16/07  
Method Geoprobe Direct push  
Diameter 1 1/2"  
Depth 49.5-50'  
Packing Material NONE

PURGE

Date 4/16/07  
Time 12:08 pm  
Rate 100 ml/minute  
Volume 6 1447.1 cm<sup>3</sup>

SAMPLE COLLECTION

Sample Time start 12:29 pm End 1:30 P  
Sample Rate 200 ml/min  
Sample Volume 6 Liters

CONTAINER DESCRIPTION

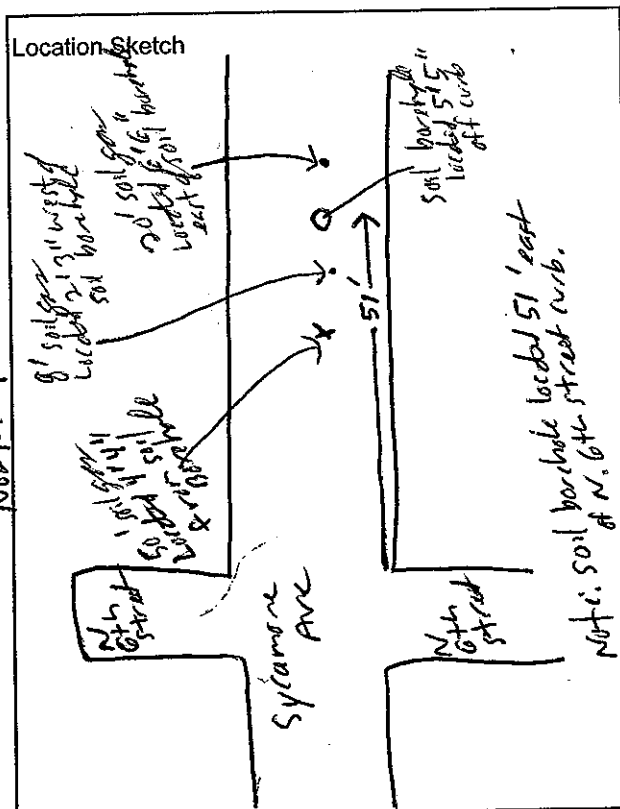
6 L Summa Canister

Summa can ID 02172  
Controller ID 6V-015-094

Start pressure 28.5 in Hg vac  
End pressure 5 in Hg vac

Tracer Gas Test

Pass  Fail  Not Applicable





Infrastructure, environment, facilities

### Soil-Vapor Sample Log

N Y 001464, 0807, 0015G

Sample ID SGP-112 (7.5-8)

Project Name and Number N-Grumman 003

Date 4/4/07

Sampling Personnel Prezorski

Time 10:50 AM

Weather overcast, Rain, 42.9 F

Humidity 85.1%, Barometric reading 29.72 in Hg, West wind 0-1 mph wind speed

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor
Location <u>Sycamore Ave; Bethpage, NY</u>
Est. depth to water (ft) <u>53</u>
Soil type <u>Sand</u>
Odor <u>None</u>
Color <u>reddish brown</u>

<input type="checkbox"/> Indoor
Location _____
Basement <u>yes / no</u>
Room size ft x ft _____
Floor material <u>cement / wood / dirt</u>
Slab Thickness (ft) _____
Visible cracks <u>yes / no</u>
Sub-slab mater <u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 4/4/07

Method Geoprobe Direct Push

Diameter 1 1/2"

Depth 7.5-8'

Packing Material None

#### PURGE

Date 4/4/07

Time 10:51 AM

Rate 100 ml/minute

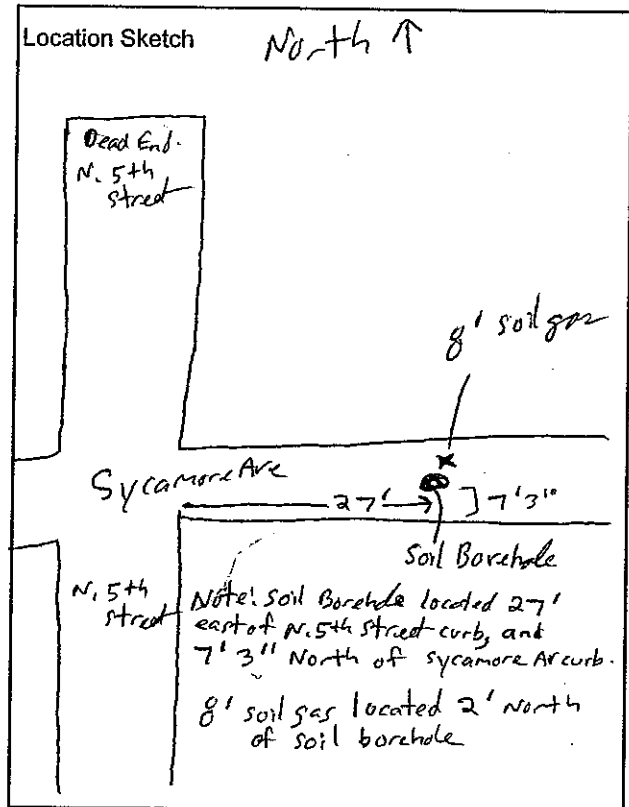
Volume 231.5 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time 11:07 AM 11:49 AM (start End)

Sample Rate 200 ml/min

Sample Volume 6 LITER



#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 002912  
Flow controller ID GV-.5-130

Start pressure over 30 in Hg vac  
End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable



Infrastructure, environment, facilities

### Soil-Vapor Sample Log

NY001464.0807.0015G

Sample ID SGP-112 (17.5-18)

Project Name and Number N-Grumman 003

Date 4/4/07

Sampling Personnel Prezowski

Time 9:27 AM

Weather overcast, rain, 44.7°F

Humidity 71.9%, Barometer reading 29.76 in Hg

West wind wind speed 1-2 mph

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
Location <u>Sycamore Ave; Bethpage, NY</u>	
Est. depth to water (ft)	<u>53</u>
Soil type	<u>Sand</u>
Odor	<u>None</u>
Color	<u>light Brown</u>

<input type="checkbox"/> Indoor	
Location _____	
Basement	yes / no
Room size ft x ft	_____
Floor material	cement / wood / dirt
Slab Thickness (ft)	_____
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

#### PROBE INSTALLATION

Date 4/4/07

Method Geoprobe Direct Push

Diameter 1 1/2"

Depth 17.5-18'

Packing Material None

#### PURGE

Date 4/4/07

Time 9:28 AM

Rate 100 ml/minute

Volume 521 cm<sup>3</sup>

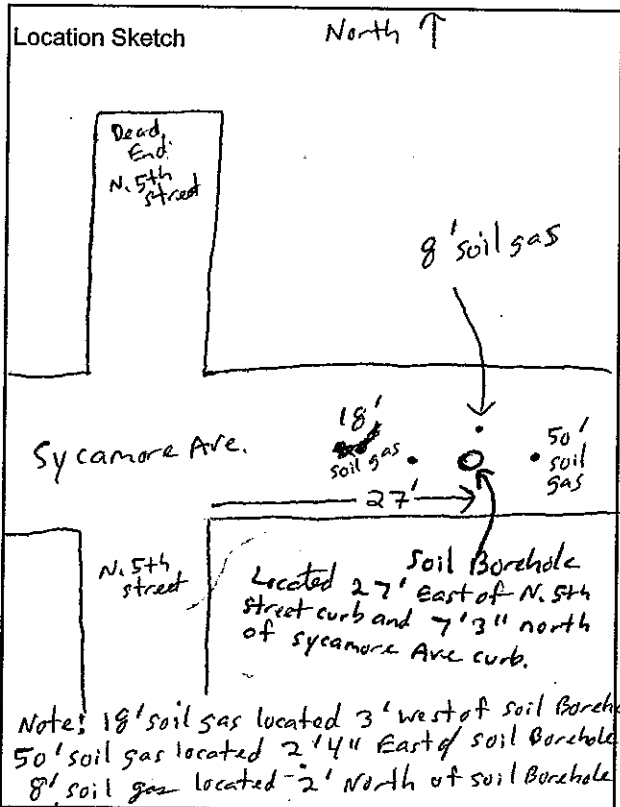
#### SAMPLE COLLECTION

start \_\_\_\_\_ End \_\_\_\_\_

Sample Time 9:42 AM 10:17 AM

Sample Rate 200 ml/min

Sample Volume 6 Liter



#### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 002403  
Flow controller ID 6V-5-074

Start pressure over 30 in Hg vac  
End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

Sample ID SGP-112 (49.5-50) Project Name and Number N-Grummen 003  
 Date 4/3/07 Sampling Personnel Prezorski  
 Time 1446  
 Weather Partly cloudy, 56.6 F (SW wind 2mph)  
 Barometer reading 29.97 InHg, Humidity 52.0%

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor	
Location	<u>Sycamore Ave, Bethpage, NY</u>
Est. depth to water (ft)	<u>53</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>beige, rust</u>

<input type="checkbox"/> Indoor	
Location	
Basement	<u>yes / no</u>
Room size ft x ft	
Floor material	<u>concrete / wood / dirt</u>
Slab Thickness (ft)	
Visible cracks	<u>yes / no</u>
Sub-slab mater	<u>dirt / gravel</u>

**PROBE INSTALLATION**

Date 4/3/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 49.5-50'  
 Packing Material NONE

**Location Sketch**

See SGP-112 (17.5-18) soil vapor sample log

**PURGE**

Date 4/3/07  
 Time 1447  
 Rate 100 ml/minute  
 Volume 1447.1 cm<sup>3</sup>

**SAMPLE COLLECTION**

Start 1504 End 1601  
 Sample Rate 200 ml/minute  
 Sample Volume 6 Lites

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa can 00089  
 Flow Controller GV-15-128

Start pressure over 30 In Hg vac  
 End pressure 5.5 In Hg vac

Tracer Gas Test  Pass  Fail  Not Applicable

**Soil-Vapor Sample Log**

Sample ID SGP-115 (8-8.5)  
Date 3/19/07  
Time 1448  
Weather overcast 39.6F  
SW wind 2-3 mph B50 mda ready 30.21 in Hg

Project Name and Number  
Sampling Personnel

NY001464, 0807.00156  
Grumman 003  
John Corrad  
P. Prezorski

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/>	Outdoor
Location	<u>Grumman 003</u> <u>former ocean rd, Bethpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>reddish brown</u>

<input type="checkbox"/>	Indoor
Location	
Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater dirt / gravel	

**PROBE INSTALLATION**

Date 3/19/07  
Method Geoprobe Direct Push  
Diameter 1 1/2"  
Depth 8-8.5'  
Packing Material None

**Location Sketch**

see separate sketch

**PURGE**

Date 3/19/07  
Time 1448  
Rate 100 ml/min  
Volume 246 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time Start 1455 End 1536  
Sample Rate over 200 ml/min  
Sample Volume 6 Liters

**CONTAINER DESCRIPTION**

6 L Summa Canister controlled TO  
GV-15-114  
Summa #D00050

Start pressure 27.5 in Hg vac  
End pressure 5 in Hg vac

Tracer Gas Test

Pass

Fail

Not Applicable

**Soil-Vapor Sample Log**

Sample ID SGP-115 (17.5-18)  
Date 3/20/07  
Time 11:55 AM  
Weather clear, 51.9°F

Project Name and Number  
Sampling Personnel

Gruman 003  
NY001464.0807.0015G  
Prezorski

Barometric reading 30.17 inHg, Humidity 38% SW wind (4.5 mph)

**DESCRIPTION OF SAMPLE LOCATION**

<input checked="" type="checkbox"/> Outdoor	<input type="checkbox"/> Indoor
Location <u>Crown Ave, former access rd, Bethpage</u>	
Est. depth to water (ft) <u>54</u>	
Soil type <u>sand</u>	
Odor <u>none</u>	
Color <u>redish brown</u>	

<input type="checkbox"/> Basement	yes / no
Room size ft x ft	
Floor material	cement / wood / dirt
Slab Thickness (ft)	
Visible cracks	yes / no
Sub-slab mater	dirt / gravel

**PROBE INSTALLATION**

Date 3/20/07  
Method Geoprobe direct push  
Diameter 1 1/2"  
Depth 17.5-18'  
Packing Material None

**Location Sketch**

See separate sketch

**PURGE**

Date 3/20/07  
Time 11:55 AM  
Rate 100 ml/minute  
Volume 521 cm<sup>3</sup>

**SAMPLE COLLECTION**

Sample Time Start 12:11 pm End 12:48 pm  
Sample Rate 200 ml/min  
Sample Volume 6 Ltr

**CONTAINER DESCRIPTION**

6 L Summa Canister

Summa FD 00524  
Flow Controller ID 6V-0.5-090

Start Pressure 29.95 inHg vac  
End Pressure 5 inHg vac

Tracer Gas Test

Pass  Fail  Not Applicable





# ARCADIS

Infrastructure, environment, facilities

## Soil-Vapor Sample Log

Sample ID SGP-115 (25.5-26') Project Name and Number \_\_\_\_\_  
 Date 3/20/07 Sampling Personnel \_\_\_\_\_  
 Time 10:35  
 Weather Partly cloudy, 48.9°F  
 Barometric reading 30.14 inHg, Humidity 42.5%, SW wind (2.7 mph)

Grumman 003  
NY001464-080700156  
Przorski  
Dan Zuck

### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	
Location	<u>Grumman 003 former access rd, Bethpage, NY</u>
Est. depth to water (ft)	<u>59</u>
Soil type	<u>sand</u>
Odor	<u>None</u>
Color	<u>off tan brown</u>

<input type="checkbox"/> Indoor	
Location	
Basement	<u>yes / no</u>
Room size ft x ft	
Floor material	<u>concrete / wood / dirt</u>
Slab Thickness (ft)	
Visible cracks	<u>yes / no</u>
Sub-slab material	<u>dirt / gravel</u>

### PROBE INSTALLATION

Date 3/20/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 25.5-26'  
 Packing Material None

### PURGE

Date 3/20/07  
 Time 9:39 AM  
 Rate 100 ml/minute  
 Volume 753 cm<sup>3</sup>  
 Note: purge 9:39 AM - 10:00 AM  
 End

### SAMPLE COLLECTION

Sample Time 10:36 AM 11:22 AM  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

### CONTAINER DESCRIPTION

6 L Summa Canister

Summa can ID 00408  
 Floor controller ID 6V-0.5-116

start pressure 5 inHg + 30 inHg  
 End pressure 5 inHg

Tracer Gas Test

Pass

Fail

Not Applicable



# ARCADIS

Infrastructure, environment, facilities

### Soil-Vapor Sample Log

Sample ID SGP-115 (49.5-50)  
 Date 3/19/07  
 Time 12:44 pm  
 Weather overcast 44°F

Project Name and Number  
 Sampling Personnel

NY001464.0807.00156  
Grumman OUS  
John Corral  
P. Przeronski

SW wind, Barometer reading 30.19 in Hg

#### DESCRIPTION OF SAMPLE LOCATION

<input checked="" type="checkbox"/> Outdoor	<u>Grumman OUS</u>
Location	<u>former access road, Bethpage, NY</u>
Est. depth to water (ft)	<u>54</u>
Soil type	
Odor	<u>NONE</u>
Color	

<input type="checkbox"/> Indoor	
Location	
Basement	<u>yes / no</u>
Room size ft x ft	
Floor material	<u>cement / wood / dirt</u>
Slab Thickness (ft)	
Visible cracks	<u>yes / no</u>
Sub-slab mater	<u>dirt / gravel</u>

#### PROBE INSTALLATION

Date 3/19/07  
 Method Geoprobe Direct Push  
 Diameter 1 1/2"  
 Depth 49.5-50'  
 Packing Material NONE

#### PURGE

Date 3/19/07  
 Time 12:44 pm  
 Rate 100 ml/min  
 Volume 1500 cm<sup>3</sup>

#### SAMPLE COLLECTION

Sample Time start 1317 1357 Finish  
 Sample Rate 200 ml/min  
 Sample Volume 6 Liters

#### CONTAINER DESCRIPTION

6 L Summa Canister Summa 7000522

Tracer Gas Test

Pass

Fail

Not Applicable

#### Location Sketch

See separate location sketches

start pressure over 30 in Hg vac  
End pressure 5 in Hg vac

control to GV-015-038