

App E –  
Sub-Area 2.2.COC Forms

Field Copy

Page: _____ of _____	<b>GEL Chain of Custody and Analytical Request</b> **See www.gel.com for GEL's Sample Acceptance SOP**	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
Project #:		
GEL Quote #:		
COC Number (1):		GEL Work Order Number:
PO Number:		

Client Name:		Phone #:		Sample Analysis Requested (5) (Fill in the number of containers for each test)																			
Project/Site Name:		Fax #:		Should this sample be considered:													← Preservative Type (6)						
Address:																							
Collected by:		Send Results To:		Radi ocell ve	TSC A Regu lated	ber of													Comments Note: extra sample is required for sample specific QC				
Sample ID <i>* For Composites - indicate start and stop date/time</i>		*Date Collected (mm-dd-yy)					*Time Collected (Military) (hh:mm)		QC Code (1)		Field Filtered (2)		Sample Matrix (3)										
✓ 2.2.1.R.1		10-26-15		10:15		N																	
✓ 2.2.1.R.2		10-26-15		10:25		N																	
✓ 2.2.1.R.3		10-26-15		10:50		N																	
✓ 2.2.1.R.5		10-26-15		10:20		FD																	
✓ 2.2.2.R.1		10-26-15		11:15		N																	
✓ 2.2.2.R.2		10-26-15		11:20		N																	
✓ 2.2.2.R.3		10-26-15		11:40		N																	

TAT Requested: Normal  Rush:  Specify: \_\_\_\_\_ (Subject to Surcharge) Fax Results: Yes  No  Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards \_\_\_\_\_

Sample Collection Time Zone  
 Eastern Pacific  
 Central Other \_\_\_\_\_  
 Mountain

Chain of Custody Signatures				Sample Shipping and Delivery Details			
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	GEL PM:	
1			1			Method of Shipment: _____ Date Shipped _____	
2			2			Airbill #: _____	
3			3			Airbill #: _____	

- 1) Chain of Custody Number - Client Determined  
 2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered  
 4) Matrix Codes: DW = Drinking Water, GW = Groundwater, SW = Surface Water, WW = Waste Water, W = Water, ML = Misc Liquid, SO = Soil, SD = Sediment, SL = Sludge, SS = Solid Waste, O = Oil, F = Filter, P = Wipe, U = Urine, F = Fecal, N = Not  
 5) Sample Analysis Requested: Analytical method requested (i.e. 8140B, 60100/7470A) and number of containers provided for each (i.e. 8260B - 3, 60100/7470A - 1).  
 6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hoxanic, ST = Sodium Thiosulfate, If no preservative is added - leave field blank
- WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?  
 YES  NO

Cooler Temp.  
 C \_\_\_\_\_

Entered to COC  
10-26-15

*Field Copy*

Page: _____ of _____	<b>GEL Chain of Custody and Analytical Request</b> **See www.gel.com for GEL's Sample Acceptance SOP**	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
Project #: _____		GEL Work Order Number: _____
GEL Quote #: _____		
COC Number (1): _____		
PO Number: _____		

Client Name: _____	Phone #: _____	Sample Analysis Requested (5) (Fill in the number of containers for each test)
--------------------	----------------	--

Project/Site Name: _____	Fax #: _____	Should this sample be considered _____	Preservative Type (6)
--------------------------	--------------	--	-----------------------

Address: _____	Comments Note: extra sample is required for sample specific QC
----------------	---

Sample ID <i>*For composites - indicate start and stop date/time</i>	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (8)	Field Filtered (9)	Sample Matrix (6)	Radiation (10)	TSC A Regulated (11)	Sample Analysis Requested (5)												Comments
								1	2	3	4	5	6	7	8	9	10	11	12	
✓ 2.2.3.R.1	10-20-15	14:00	N																	
✓ 2.2.3.R.2	10-20-15	14:05	N																	
✓ 2.2.3.R.3	10-20-15	14:25	N																	
✓ 2.2.4.R.1	10-26-15	14:40	N																	
✓ 2.2.4.R.2	10-26-15	14:50	N																	
✓ 2.2.4.R.3	10-26-15	15:10	N																	
✓ 2.2.4.R.5	10-26-15	15:15	FD																	
✓ 2.2.4.R.6	10-26-15	16:00	EB																	

TAT Requested: Normal: _____ Rush: _____ Specify: _____ (Subject to Surcharge)	Fax Results: Yes / No	Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4
--	-----------------------	---

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards	Sample Collection Time Zone Eastern Pacific Central Other _____ Mountain
--	---

Chain of Custody Signatures						Sample Shipping and Delivery Details	
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	GEL PM:	
1			1			Method of Shipment:	Date Shipped:
2			2			Airbill #:	
3			3			Airbill #:	

- Chain of Custody Number - Client Determined
- QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
- Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered
- Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc. Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=N
- Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. #2468 - 3, 6610B/7470A - 1).
- Preservative Types: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, IX = Ixonic, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

For Lab Receiving Use Only	
Custody Seal Intact?	YES / NO
Cooler Temp:	C

*Entered in COC*

App E –  
Sub-Area 2.2. Data Collection Sheets

10/26/15

Page 1 of 4

Grid Pattern Manual Data Collection Form

10/19/15

Three

AREA 2.2

Four

11	17	40	53	66	79	92	105	118	131	144
13	26	39	52	65	78	91	104	117	130	143
12	25	38	51	64	77	90	103	116	129	142
10	24	37	50	63	76	89	102	115	128	141
9	23	36	49	62	75	88	101	114	127	140
8	22	35	48	61	74	87	100	113	126	139
7	21	34	47	60	73	86	99	112	125	138
6	20	33	46	59	72	85	98	111	124	137
5	19	32	45	58	71	84	97	110	123	136
4	18	31	44	57	70	83	96	109	122	135
3	17	30	43	56	69	82	95	108	121	134
2	16	29	42	55	68	81	94	107	120	133
1	15	28	41	54	67	80	93	106	119	132

(X,0)

One

→ X

Two

One Lat. 42° 28' 24.04" N Lon. 78° 41' 37.19" W - position 17 Up = N S E (W)

Two Lat. 42° 28' 24.91" N Lon. 78° 41' 37.99" W - position 108 (circle)

Three Lat. 42° 28' 24.04" N Lon. 78° 41' 39.55" W Dimension (1 to 2) 35 Meters

Four Lat. 42° 28' 24.91" N Lon. 78° 41' 39.55" W Dimensions (1 to 3) 40 Meters

AREA 2.2

Page 2 of 4

X Coord.	Y Coord.	Pos. #	KCPM		X Coord.	Y Coord.	Pos. #	KCPM
0	0	1	5.5		2	1	29	5.4
0	1	2	5.8		2	2	30	6.4
0	2	3	6.1		2	3	31	6.5
0	3	4	5.9		2	4	32	6.5
0	4	5	5.9		2	5	33	5.8
0	5	6	6.0		2	6	34	6.0
0	6	7	5.9		2	7	35	5.7
0	7	8	5.5		2	8	36	5.6
0	8	9	5.6		2	9	37	6.8
0	9	10	5.7		2	10	38	6.2
0	10	11	6.0		2	11	39	5.9
0	11	12	5.7		2	12	40	5.8
0	12	13	5.8		3	0	41	6.6
0	13	14	6.0		3	1	42	6.1
1	0	15	5.4		3	2	43	6.0
1	1	16	6.6		3	3	44	6.2
1	2	17	6.3		3	4	45	6.0
1	3	18	6.2		3	5	46	6.3
1	4	19	6.6		3	6	47	5.9
1	5	20	6.7		3	7	48	5.8
1	6	21	6.4		3	8	49	6.0
1	7	22	6.1		3	9	50	5.9
1	8	23	6.2		3	10	51	6.4
1	9	24	6.5		3	11	52	5.8
1	10	25	6.6		3	12	53	5.9
1	11	26	4.9		4	0	54	6.2
1	12	27	5.7		4	1	55	6.8
2	0	28	5.8		4	2	56	6.2

AREA 2.2

Page 3 of 4

X Coord.	Y Coord.	Pos. #	KCPM		X Coord.	Y Coord.	Pos. #	KCPM
4	3	57	6.2		6	5	85	5.7
4	4	58	6.3		6	6	86	5.7
4	5	59	5.8		6	7	87	5.7
4	6	60	6.6		6	8	88	5.9
4	7	61	5.6		6	9	89	6.7
4	8	62	5.6		6	10	90	7.0
4	9	63	6.3		6	11	91	6.3
4	10	64	5.7		6	12	92	6.6
4	11	65	6.8		7	0	93	6.5
4	12	66	6.8		7	1	94	5.8
5	0	67	6.4		7	2	95	5.6
5	1	68	6.4		7	3	96	6.0
5	2	69	6.4		7	4	97	5.8
5	3	70	6.5		7	5	98	5.8
5	4	71	6.2		7	6	99	5.7
5	5	72	6.6		7	7	100	6.0
5	6	73	5.9		7	8	101	6.4
5	7	74	6.7		7	9	102	6.7
5	8	75	6.8		7	10	103	5.9
5	9	76	6.0		7	11	104	6.3
5	10	77	5.8		7	12	105	6.2
5	11	78	5.6		8	0	106	6.1
5	12	79	6.8		8	1	107	6.0
6	0	80	6.4		8	2	108	5.9
6	1	81	6.4		8	3	109	6.2
6	2	82	6.5		8	4	110	6.8
6	3	83	6.3		8	5	111	6.7
6	4	84	5.9		8	6	112	6.0

AREA 2.2

Page 4 of 4

X Coord.	Y Coord.	Pos. #	KCPM		X Coord.	Y Coord.	Pos. #	KCPM
8	7	113	6.2		10	9	141	6.4
8	8	114	6.4		10	10	142	6.7
8	9	115	5.9		10	11	143	6.7
8	10	116	5.7		10	12	144	6.5
8	11	117	6.7					
8	12	118	5.7					
9	0	119	6.5					
9	1	120	6.5					
9	2	121	6.1					
9	3	122	6.4					
9	4	123	5.8					
9	5	124	5.8					
9	6	125	6.3					
9	7	126	6.2					
9	8	127	6.2					
9	9	128	6.2					
9	10	129	6.6					
9	11	130	6.8					
9	12	131	5.9					
10	0	132	5.8					
10	1	133	6.3					
10	2	134	6.1					
10	3	135	6.2					
10	4	136	6.3					
10	5	137	5.9					
10	6	138	5.7					
10	7	139	7.3					
10	8	140	6.4					



App E –

Sub-Area 2.2. Instrument Field Sheets



MLV TECHNICAL SERVICES

Rev 1 10/18/15

### Instrument Field Response Check Log

#### 1. Instrument Information<sup>1</sup>

Ratemeter: Make/Model: LUDLUM 2241-2 Serial No. 262737 Cal. Due Date: 9/2/16  
 Detector 1: Make/Model: LUDLUM 44-10 Serial No. PR 111127  
 Bicron MicroRem Meter: Serial No. A224U Cal. Due Date: 8/4/16

#### 2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 116 Activity: <0.1 units: µci Assay Date: 12/30/10  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 22926 net cpm -20% 15284  
 Source 2 Isotope: Cs-137 Serial No.: 87F13-48 Activity: 0.02 units: µci Assay Date: 1/20/10  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 13375 net cpm -20% 8919

#### 3. Technician/Worker Performing Checks:

Name: STEVE KINSMAN Title: RCT Date: 10/26/15 Time: 0900

#### 4. Site or Location: Site/Job: 22 Location Description: DOT

GPS Coordinates (when required): X-Coord: N 42.474740 Y-Coord: W 078.69512

Instrument Field Response <sup>2</sup>					Use Acceptance Criteria				Remarks	
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l info. inst. Condition, etc.)
Ratemeter	1min	7803	1min	19966	Y	Y	Y	0900	35.6	Th232
Ratemeter	1min	7803	1min	11187	Y	Y	Y	0900	35.6	Cs137
Ratemeter	1min	7588	1min	19603	Y	Y	Y	1315	53.4	Th232
Ratemeter	1min	7588	1min	11222	Y	Y	Y	1315	53.4	Cs137
Ratemeter	1min	7850	1min	20172	Y	Y	Y	1530	52.6	Th232
Ratemeter	1min	7850	1min	11457	Y	Y	Y	1530	52.6	Cs137
Bicron	NA	7	NA	18	Y	Y	Y	0900	35.6	
Bicron	NA	5	NA	18	Y	Y	Y	1315	53.4	
Bicron	NA	5	NA	17	Y	Y	Y	1530	52.6	

- Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.
- Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability.



Rev 1 10/18/15

Instrument Field Response Check Log

1. Instrument Information<sup>1</sup>

Ratemeter: Make/Model: Ludlum 224-2 Serial No. 206098 Cal. Due Date: 09/01/14  
 Detector 1: Make/Model: Ludlum 44-10 Serial No. FR112692  
 Bicron MicroRem Meter: Serial No. \_\_\_\_\_ Cal. Due Date: \_\_\_\_\_

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111 Activity: 0.1 units: µCi Assay Date: 12/30/10  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 55798 net cpm -20% 35866

Source 2 Isotope: Cs-137 Serial No.: 119E23-12 Activity: 0.02 units: µCi Assay Date: NA  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 13273 net cpm -20% 8849

3. Technician/Worker Performing Checks:

Name: J. Edwards Title: RCT Date: 10/26/15 Time: 0913

4. Site or Location:

Site/Job: Area 2.2 Location Description: Woods  
 GPS Coordinates (when required): X-Coord: N 42.47414° Y-Coord: W 078.69572°

Instrument Field Response <sup>2</sup>					Use Acceptance Criteria					Remarks
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l Info: inst. Condition, etc.)
Ratemeter	1min	8757cpm	1min	45115cpm	Y	Y	Y	0925	39.5	Th-232 JE
Ratemeter	1min		1min	10704cpm	Y	Y	Y	0930	37.5	Cs-137 JE
Ratemeter										
Ratemeter										
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							

1. Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.  
 2. Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability



Instrument Field Response Check Log

1. Instrument Information<sup>1</sup>

Ratemeter: Make/Model: Ludlum 224-2 Serial No. 206096 Cal. Due Date: 09/01/16  
 Detector 1: Make/Model: Ludlum 44-10 Serial No. PR112642  
 Bicron MicroRem Meter: Serial No. \_\_\_\_\_ Cal. Due Date: \_\_\_\_\_

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111 Activity: <0.1 units: NCI Assay Date: 12/30/10  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 53798 net cpm -20% 35866

Source 2 Isotope: Cs-137 Serial No.: 119E2312 Activity: 0.02 units: NCI Assay Date: NA  
 Response Acceptance Range (+/-20%): uRem/hr +20% \_\_\_\_\_ uRem/hr -20% \_\_\_\_\_ net cpm + 20% 13273 net cpm -20% 8849

3. Technician/Worker Performing Checks:

Name: J. Edwards Title: RCT Date: 10/26/15 Time: 1322

4. Site or Location:

Site/Job: Area 2.2 Location Description: Woods  
 GPS Coordinates (when required): X-Coord: N 42.47474° Y-Coord: W 078.69512°

Instrument Field Response <sup>2</sup>					Use Acceptance Criteria					Remarks
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l info: inst. Condition, etc.)
Ratemeter	1 min	8061 cpm	1 min	45,135 cpm	Y	Y	Y	1326	54.6	Th-232 DE
Ratemeter			1 min	10,229 cpm	Y	Y	Y	1333	54.8	Cs-137 JES
Ratemeter										
Ratemeter										
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							

1. Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.  
 2. Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability

App E-  
Sub-Area 2.2. Sample Data Sheets



**SAMPLE LOCATION DATA SHEET**

Date: 10-26-15 Project: NYSEDA Name: Tom Brown

Weather: Sunny, cool

**1. Sample Area (SA):**

SA Designation: 2.2 Description: Woods  
 SA Origin Location: N42°28'24.41" W 78°41'38.77" Coord. System: NJW  
 SA Land Mark Description: 150 yds E Southern expy N Coord: N/A N/A

**2. Sample Location Data:**

Sample Area ID: 2.2.1 Matrix: soil/sand  
 Location Coord: W78.694044° N42.473407°

Alternate Location Measurements (distance from SA origin and Local Coord.)  
 X Dist. from Origin (0,0) N/A Y Dist. from Origin: N/A

*150 yds E of southern expy N Bridge over Cataraugus creek (N end Bridge)*

Site Sketch Attached (Yes)  (NO)

Sample Location Description: Woods, pine needle coverage,

Canopy Type: wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

**3. Location Radiation Readings:**

Count time (min)	2x2 NaI (cpm)		Bicron (uRem/hr)		Notes
	1 cm	1m	1 cm	1m	
1	6302	5901	4	3	N/A
1	6471	6199			N/A

**4. Sample Information:**

Sample Area ID: 2.2.1.R.1-3,5

**Description by Depth:**

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	loamy soil	Brown	2.2.1.R.1	small roots and small rocks
5-15	loose soil	light brown	2.2.1.R.2	loose, some small rocks
15-100	soil/sand	light brown	2.2.1.R.3	small rocks
0-5	loamy soil	Brown	2.2.1.R.5	small roots, small rocks

Sample Recorded on Laboratory COC form and Container Labeled:  (Y) (N)

**SAMPLE LOCATION DATA SHEET**

Date: 10-20-15 Project: NYSERDA Name: Tori Brown

Weather: Sunny, cool

**1. Sample Area (SA):**

SA Designation: 2.2 Description: Woods  
 SA Origin Location: N 92° 28' 24.46" W 78° 41' 38.77" Coord. System: NW  
 SA Land Mark Description: Southern expy N Coord: N/A N/A  
(150 yds E from)

**2. Sample Location Data:**

Sample Area ID: 2.2.2 Matrix: Soil

Location Coord: N 78.094105° N 42.473448°

Alternate Location Measurements (distance from SA origin and Local Coord.)

X Dist. from Origin (0,0): N/A Y Dist. from Origin: N/A

Site Sketch Attached (Yes)  (NO)

Sample Location Description: Woods, pine needle/trig coverage/leaves

Canopy Type: wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

**3. Location Radiation Readings:**

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	6201	5701	4	4	N/A
1	6086	5678			N/A

**4. Sample Information:**

Sample Area ID: 2.2.2.R.1-3

**Description by Depth:**

Depth Interval (cm)	Soil Type (Org: clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	loamy soil	brown	2.2.2.R.1	small roots, small rocks
5-15	loamy soil	brown	2.2.2.R.2	small roots, small rocks
15-100	sand/sil	light brown	2.2.2.R.3	small rocks, roots

Sample Recorded on Laboratory COC form and Container Labeled:  (Y)  (N)



**SAMPLE LOCATION DATA SHEET**

Date: 10-26-15 Project: NYSECOA Name: Tori Brown

Weather: Sunny, cool

**1. Sample Area (SA):**

SA Designation: 2.2 Description: Woods  
 SA Origin Location: N 42° 28' 24.46" W 78° 41' 38.77" Coord. System: N/W  
 SA Land Mark Description: Southwest Edge N (150yds E of) Coord: N/A N/A

**2. Sample Location Data:**

Sample Area ID: 2.2.3 Matrix: soil  
 Location Coord: W 78.694081° N 42.473461°

Alternate Location Measurements (distance from SA origin and Local Coord.)  
 X Dist. from Origin (0,0): N/A Y Dist. from Origin: N/A

Site Sketch Attached (Yes)  (NO)

Sample Location Description: Woods, needle, leaf twig coverage

Canopy Type: Wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

**3. Location Radiation Readings:**

Count time (min)	2x2 Nal (cpm)		Bicron (uRem/hr)		Notes
	1 cm	1m	1 cm	1m	
1	5988	5887	6	5	N/A
1	6232	5803			N/A

**4. Sample Information:**

Sample Area ID: 2.2.3.R 1-3

**Description by Depth:**

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	soil	Brown	2.2.3.R.1	small roots, small rocks
5-15	soil	Brown	2.2.3.R.2	small roots, small rocks
15-100	soil/sand	reddish brown	2.2.3.R.3	roots, small rocks

Sample Recorded on Laboratory COC form and Container Labeled:  (Y)  (N)





## SAMPLE LOCATION DATA SHEET

Date: 10-26-15 Project: NYSEDA Name: Toi Braun

Weather: Sunny, cool

### 1. Sample Area (SA):

SA Designation: 2.2 Description: Woods  
 SA Origin Location: N42°28'24.56" W78°41'38.77" Coord. System: N/W  
 SA Land Mark Description: Southern Expy N (150 yds E of) Coord: N/A N/A

### 2. Sample Location Data:

Sample Area ID: 2.2.4 Matrix: Soil  
 Location Coord: W78.694142° N42.473502°

Alternate Location Measurements (distance from SA origin and Local Coord.)  
 X Dist. from Origin (0,0) N/A Y Dist. from Origin: N/A

Site Sketch Attached (Yes)  (NO)

Sample Location Description: wooded, pine, leaves, twig coverage

Canopy Type: wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

### 3. Location Radiation Readings:

Count time (min)	2x2 NaI (cpm)		Bicron (uRem/hr)		Notes
	1 cm	1m	1 cm	1m	
1	6561	6149	5	4	N/A
1	6372	5954			N/A

### 4. Sample Information:

Sample Area ID: 2.2.4.R.1-3,5

#### Description by Depth:

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	soil	dark brown	2.2.4.R.1	small rocks and roots
5-15	soil	dark brown	2.2.4.R.2	small rocks and roots
15-100	soil	brown	2.2.4.R.3	rocks, roots
15-100	soil	brown	2.2.4.R.5	rocks, roots
—	Water	—	2.2.4.R.6	N/A

Sample Recorded on Laboratory COC form and Container Labeled:  (Y)  (N)