

App E –
Sub-Area 4.2 - COC Forms

Page: _____ of _____ Project #: GEL Quote #: COC Number (1): PO Number:		GEL Chain of Custody and Analytical Request **See www.gel.com for GEL's Sample Acceptance SOP** GEL Work Order Number:		GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178			
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 _____			
Address:				Preservative Type (6)			
Collected by:		Send Results To:		Comments Note: extra sample is required for sample specific QC			
Sample ID <small>* For composites - indicate start and stop date/time</small>	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (3)			Field Filtered (4)	Sample Matrix (4)
4.2A.R.3.1	12-2-15						
4.2A.R.3.2	12-2-15						
4.2A.R.4.1	12-2-15						
4.2A.R.4.2	12-2-15						
4.2A.R.4.3	12-2-15						
4.2A.R.4.6	12-2-15						
4.2B.R.11.1	12-2-15						
4.2B.R.11.2	12-2-15						
4.2B.R.10.1	12-2-15						
4.2B.R.10.2	12-2-15						
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				Sample Collection Time Zone Eastern Pacific Central Other _____ Mountain			
Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards							
Chain of Custody Signatures			Sample Shipping and Delivery Details				
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time		
1			GEL PM:				
2			Method of Shipment:				
3			Date Shipped:				
			Airbill #:				
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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 = N/A 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1). 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, 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

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Address:																	
Collected by:		Send Results To:		Radi	TSC	ber of											Comments Note: extra sample is required for sample specific QC
Sample ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (3)	Field Filtered (4)	Sample Matrix (5)												
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4.2B.R.12.1	12-2-15																
4.2B.R.12.2	12-2-15																
SN1B.19.1	12-2-15																
SN1B.19.2	12-2-15																
SN1B.19.3	12-2-15																
SN1B.22.1	12-2-15																
SN1B.22.2	12-2-15																
4.5C.R.1.1	12-2-15																
4.5C.R.1.2	12-2-15																
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1			1			Method of Shipment: _____ Date Shipped: _____											
2			2			Airbill #:											
3			3			Airbill #:											
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WHITE = LABORATORY					YELLOW = FILE					PINK = CLIENT							

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Address:																			
Collected by:				Send Results To:				TSC A Regulated											Comments Note: extra sample is required for sample specific QC
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4.2B.R.9.2				12-3-15															
4.2B.R.15.1				12-3-15															
4.2B.R.15.2				12-3-15															
4.2B.R.16.1				12-3-15															
4.2B.R.16.2				12-3-15															
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YELLOW = FIELD

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				Airbill #:			
				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=Mass Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Fiber, P=Wipe, U=Urine, F=Fecal, N=Not 5.) Sample Analysis Requested: Analytical method requested (i.e. 8200B, 6010B/7470A) and number of containers provided for each (i.e. 816BB - 3, 6010B/7470A - 1). 6.) Preservative Type: HLA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Acetic Acid, HX = Hexane, 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

Page: _____ of _____ Project #: _____ GEL Quote #: _____ COC Number (U): _____ PO Number: _____		GEL Chain of Custody and Analytical Request **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											
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:		TSC A Regulated											Comments Note: extra sample is required for sample specific QC		
Sample ID <small>* For compoxites - indicate start and stop date/time</small>	Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (a)	Field Filtered (b)	Sample Matrix (c)	Rad excl ve	per of										
4.2A. R. 2.3	12-8-15																
4.2A. R. 2.4	12-8-15																
4.2B. R. 1.1	12-8-15																
4.2B. R. 1.2	12-8-15																
4.2B. R. 1.3	12-8-15																
4.2B. R. 1.4	12-8-15																
4.2B. R. 2.1	12-8-15																
4.2B. R. 2.2	12-8-15																
4.2B. R. 2.3	12-8-15																
4.2B. R. 2.4	12-8-15																
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		
1									1								
2									2								
3									3								
GEL PM:																	
Method of Shipment:										Date Shipped:							
Airbill #																	
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=Feet, N=... 5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1) 6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SI = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added - leave field blank																	
For Lab Receiving Use Only:																	
Custody Seal Intact?																	
YES NO																	
Cooler Temp:																	
C																	

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

Page: _____ of _____	<h2 style="text-align: center;">GEL Chain of Custody and Analytical Request</h2> <p style="text-align: center;">**See www.gel.com for GEL's Sample Acceptance SOP**</p>	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 (6) (Fill in the number of containers for each test)														
Project/Site Name:		Fax #:		Should this sample be considered	<div style="display: flex; justify-content: space-between;"> <div> <p><-- Preservative Type (6)</p> </div> <div> <p>Comments Note: extra sample is required for sample specific QC</p> </div> </div>													
Address:																		
Collected by:		Send Results To:		TSC A Regulated														
Sample ID <small>* For composites - indicate start and stop date/time</small>	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (a)	Field Filtered (a)	Sample Matrix (a)	Rad. pack. ve												
4.2B. R.3.1	12-8-15																	
4.2B. R.3.2	12-8-15																	
4.2B. R.3.3	12-8-15																	
4.2B. R.3.4	12-8-15																	
4.2B. R.3.5	12-8-15																	
4.2B. R.3.6	12-8-15																	
4.2B. R.3.7	12-8-15																	

TAT Requested: Normal: Rush: Specify: (Subject to Surcharge) Fax Results: Yes / No Circle Deliverable: C

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

Chain of Custody Signatures					
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1			1		
2			2		
3			3		

- 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 =
- 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3; 6010B/7470A - 1).
- 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulphuric Acid, AA = Ascorbic Acid, HX = Hexano, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

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

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

4.2B R.3.7
NEVER SHIPPED
SA NOT IN
CABINET

App E –
Sub-Area 4.2 - Instrument Field Sheets

Instrument Field Response Check Log

1. Instrument Information

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.: 87E13-48 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: 10/8/12 Time: 0900

4. Site or Location: Site/Job: 4.2

Location Description: woods

GPS Coordinates (when required): X-Coord: N 42° 32' 28.4" Y-Coord: W 78° 59' 51.1"

Instrument Field Response					Use Acceptance Criteria				Remarks	
Meter	Bkg Cnt Time (MIN)	Bkg Counts (cpm) or uRem/hr	Source Cnt Time (MIN)	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	7856	1	20132	Y	Y	Y	0900	36.8	Th232 SK
Ratemeter	1	7856	1	11330	Y	Y	Y	0900	36.8	Cs137 SK
Ratemeter	1	7883	1	20382	Y	Y	Y	1230	42.9	Th232 SK
Ratemeter	1	7883	1	11652	Y	Y	Y	1230	42.9	Cs137 SK
Ratemeter	1	8174	1	20873	Y	Y	Y	15:35	46.0	Th232 SK
Ratemeter	1	8174	1	11807	Y	Y	Y	15:35	46.0	Cs137 SK
Bicron	NA	6	NA	17	Y	Y	Y	0900	36.8	Th232 SK
Bicron	NA	6	NA	18	Y	Y	Y	1230	42.9	Th232 SK
Bicron	NA	6	NA	17						

- 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.

Instrument Field Response Check Log

1. Instrument Information¹

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.: 87E13-48 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: RLT Date: 12/2/15 Time: 0815

4. Site or Location: Site/Job: 4.2

Location Description: WOODS

GPS Coordinates (when required): X-Coord: 78°59'50.5"W Y-Coord: 42°32'28.4"N @ environment dept building

Instrument Field Response ²					Use Acceptance Criteria				Remarks	
Meter	Bkg Cnt Time (Min)	Bkg Counts (cpm) or uRem/hr	Source Cnt Time (Min)	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	7995	1	20278	Y	Y	Y	0830	45.8	Th232 SK
Ratemeter	1	7995	1	11700	Y	Y	Y	0830	45.8	Cs137 SK
Ratemeter	1	7861	1	20765	Y	Y	Y	1230	45.1	Th232 SK
Ratemeter	1	7861	1	11637	Y	Y	Y	1230	45.1	Cs137 SK
Ratemeter	1	6007	1	18677	Y	Y	Y	1530	44.6	Th232 SK
Ratemeter	1	6007	1	9588	Y	Y	Y	1530	44.6	Cs137 SK
Bicron	NA	5	NA	17	Y	Y	Y	0830	45.8	Th232 SK
Bicron	NA	6	NA	17	Y	Y	Y	1230	45.1	Th232 SK
Bicron	NA	4	NA	16	Y	Y	Y	1530	44.6	Th232 SK

- 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

Instrument Field Response Check Log

1. Instrument Information

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: Tai Brown Title: _____ Date: 12-3-15 Time: 0830

4. Site or Location: Site/Job: 4/2

Location Description: Field

GPS Coordinates (when required): X-Coord: N 12°32' 41" Y-Coord: W 74°02' 09"

Instrument Field Response					Use Acceptance Criteria					Remarks
Meter	Bkg Cnt Time (min)	Bkg Counts (cpm) or uRem/hr	Source Cnt Time (min)	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: Info: Inst. Condition, etc.)
Ratemeter	1	8212	1	20,321	Y	Y	Y	0830	43.8	Th-232 TB
Ratemeter	1	8212	1	11,887	Y	Y	Y	0830	43.8	Cs-137 TB
Ratemeter	1	8115	1	20522	Y	Y	Y	1115	44.6	Th-232 SK
Ratemeter	1	8115	1	11640	Y	Y	Y	1115	44.6	Cs-137 SK
Ratemeter			N/A			N/A				
Ratemeter			N/A			N/A				
Bicron	NA	6	NA	15	Y	Y	Y	0830	43.8	Th-232 TB
Bicron	NA	5	NA	16	Y	Y	Y	1115	44.6	Th-232 SK
Bicron	NA	N/A	NA	N/A			N/A			

- 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.

Instrument Field Response Check Log

1. Instrument Information¹

Ratemeter: Make/Model: Ludlum 2241-2 Serial No. 24698 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: 40.1 units: MC 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.: 119E23-12 Activity: 0.02 units: MC 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: RET Date: 12/03/15 Time: 0830

4. Site or Location:

Site/Job: Area 4.2 Location Description: wood's
 GPS Coordinates (when required): X-Coord: N 41° 32.422 " Y-Coord: W 079° 02.917 "

Instrument Field Response ²					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	9947 cpm	1min	45127 cpm	Y	Y	Y	0839	37.3°	Th-232 JC
Ratemeter	1min		1min	11611 cpm	Y	Y	Y	0845	37.5°	Cs-137 JC
Ratemeter	1min	10468 cpm	1min	46523 cpm	Y	Y	Y	1051	42.2°	Th-232 JC
Ratemeter			1min	11951 cpm	Y	Y	Y	1056	42.0°	Cs-137 JC
Ratemeter										
Ratemeter										
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							

- 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

App E –
Sub-Area 4.2 - Sample Locations

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSCBDA Name: Toni Brown

Weather: calm, partly cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2A.R.1 Matrix: Soil

Location Coord: N 42° 33' 24.5" W 75° 02' 35.0"

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: young trees, grass patches, leaves

Canopy Type: Open 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	9755	9250	6	5	Bicron: CUDWM 2241-2 Serial # 260737 Cal due 7/2/16
1	9442	9382			2x2 CUDWM 94-10 Serial # PR11127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2A.R.1.1-4

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)
0-15	Soil	Brown	4.2A.R.1.1	N/A
15-30	Soil	Brown	4.2A.R.1.2	N/A
30-60	Soil/clay	Brown	4.2A.R.1.3	N/A
60-100	Soil/gravel	Gray	4.2A.R.1.4	Soil and gravel, small rocks, damp

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

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSEDA Name: Teri Brown

Weather: calm, partly cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2A.R.2 Matrix: S. 1

Location Coord: N 42° 32' 24.07" W 79° 02' 35.64"

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, light brush, leaves

Canopy Type: Open 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	9472	8889	7	5	Bicron - CONSUM 2291-2 Serial # 262737 Cal due 9/2/16
1	9661	8898			2x2 - LUDWIG 44-10 Serial # PRW22 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2A.R.2.1-4

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)
0-15	Soil	Brown	4.2A.R.2.1	N/A
15-30	Soil	Brown	4.2A.R.2.2	N/A
30-40	Soil	Brown	4.2A.R.2.3	N/A
40-100	Soil	Brown	4.2A.R.2.4	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-2-15 Project: NYSERDA Name: Tori Brown

Weather: calm, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2A Description: Woods
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2A.R.3 Matrix: Soil

Location Coord: N42°32'23.7" W79°02'34.87"

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, light brush, leaves

Canopy Type: Open 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	9569	8903	6	5	N/A
1	7456	8851			N/A

4. Sample Information:

Sample Area ID: 4.2A.R.3.1-2

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)
0-15	Soil	Brown	4.2A.R.3.1	N/A
15-30	Soil	Brown	4.2A.R.3.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-2-15 Project: NYSERDA Name: Tam Brown

Weather: calm, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2A.R.4 Matrix: Soil

Location Coord: N42°32'23.58" W79°02'35.28"

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, vines, leaves

Canopy Type: Open 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	8729	8443	6	5	N/A
1	8912	8255			N/A

4. Sample Information:

Sample Area ID: 4.2A.R.4.1-2,5-6

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)
0-15	Soil	Brown	4.2A.R.4.1	N/A
15-30	Soil	Brown	4.2A.R.4.2	N/A
0-15	Soil	Brown	4.2A.R.4.5	N/A
15-30			4.2A.R.4.6	N/A

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



NJW TECHNICAL SERVICES

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSEROM Name: Tori BrownWeather: calm, partly sunny, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.1 Matrix: SoilLocation Coord: N 42° 32' 21.12" W 79° 02' 34.65"

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

X Dist. from Origin (0,0) N/A Y Dist. from Origin: N/ASite Sketch Attached (Yes) ☒ (NO)Sample Location Description: Woods, dead trees, leaves, very light brown

Canopy Type: Open 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	9259	8675	6	5	Bicron: Ludlum 2241-2 Serial # 262737 Cal due 5/2/16
1	9131	8588			2x2 Ludlum 44-10 Serial # PR111127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2B.R.1.1-4

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)
0-15	Soil	Brown	4.2B.R.1.1	N/A
15-30	Soil	Brown	4.2B.R.1.2	N/A
30-60	Soil	Brown	4.2B.R.1.3	N/A
60-100	Soil	Brown	4.2B.R.1.4	N/A

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSER DA Name: Tori Brown

Weather: calm, partly cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.2 Matrix: Soil

Location Coord: N 42° 32' 21.21" W 79° 02' 35.30"

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: light brush, dead trees, leaves

Canopy Type: Open 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	9602	8815	6	5	Bicron: LUSCOM 2241-2 Serial # 262737 Cal due 9/2/16
1	9755	8771			2x2 LUDLUM 44-10 Serial # PR11127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2B.R.2.1-4

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)
0-15	soil	Brown	4.2B.R.2.1	roots
15-30	soil	Brown	4.2B.R.2.2	roots
30-60	soil	Brown	4.2B.R.2.3	roots
60-100	soil/sand	Brown	4.2B.R.2.4	N/A

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



MTS TECHNICAL SERVICES

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSCADA Name: Tori Brown

Weather: calm, partly cloudy, 40°

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.3 Matrix: Soil

Location Coord: N 42° 32' 15.92" W 79° 02' 35.31"

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: dead trees, leaves

Canopy Type: Open 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	9217	8569	7	5	Bicron - LUDLUM 2241-2 Serial # 262737 Cal due 9/2/16
1	9332	8553			2x2 LUDLUM 44-10 Serial # PR11127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2B.R.3 1-6

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)
0-15	Soil	Brown	4.2B.R.3.1	N/A
15-30	Soil	Brown	4.2B.R.3.2	N/A
30-60	Soil/sand	Brown	4.2B.R.3.3	N/A
60-100	Soil/sand	Light Brown	4.2B.R.3.4	Soil → sand → soil
30-60	Soil/sand	Brown	4.2B.R.3.5	N/A
60-100	Soil/sand	Light Brown	4.2B.R.3.6	Soil → sand → soil

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12/7/15 Project: NY SERDA Name: J. Brown

Weather: cloudy, cool, lows 40's

1. Sample Area (SA):

SA Designation: 4.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2.B.R.4.1 Matrix: Soil

Location Coord: 42°32'19.15" N 79°2'34.72" W

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

X Dist. from Origin (0,0): _____ Y Dist. from Origin: _____

Site Sketch Attached (Yes) ☒ (NO)

Sample Location Description: flat, prickles, dead leaves (closed)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): none

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	10,581	10,314	8	6	Bicron Micro Rem # 1487 - cal due 1/15/16
1	10,930	10,451			Ludlum 2241-Z # 206098
					with probe 44-10 # 112642 - cal due 7/1/16

4. Sample Information:

Sample Area ID: 4.2.B.R.4.1-2

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)
0-15	top soil	brown	4.2.B.R.4.1	
15-30	top soil	brown	4.2.B.R.4.2	from roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/7/15 Project: NY SERDA Name: J. Braun

Weather: cloudy, cool, upper 30's

1. Sample Area (SA):

SA Designation: 4.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2.B.R.S.1 Matrix: Soil

Location Coord: 42° 32' 18.34" N 77° 2' 34.10" W

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

X Dist. from Origin (0,0) _____ Y Dist. from Origin: _____

Site Sketch Attached (Yes) ☒ (NO) ☐

Sample Location Description: flat ground, scrub trees, rocks, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): damp

3. Location Radiation Readings:

2x2 Nal (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	9957	9553	8	7	Bicron Microrem # 1487 - cal due 6/13/16
1	10,047	9733			Ludlum 2241-2 # 206098
					with probe 44-10 # 112642 - cal due 7/1/16

4. Sample Information:

Sample Area ID: 4.2.B.R.S.1-2

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)
0-15	topsoil	brown	4.2.B.R.S.1	
15-30	topsoil	brown	4.2.B.R.S.2	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/7/15 Project: NYSEERDA Name: J. Brown

Weather: cloudy, cool, upper 30's

1. Sample Area (SA):

SA Designation: 4.2.B Description: wooded lot
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2.B.R.6 Matrix: Soil

Location Coord: 42°32'19.25"N 79°2'33.32"W

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

X Dist. from Origin (0,0) _____ Y Dist. from Origin: _____

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat, sparse trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc Soil Moisture (Wet, dry, etc.): damp

3. Location Radiation Readings:

2x2 Nal (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	10,891	10,083	6	6	Bicron MicroBent [®] 1487 - cal due 6/18/16
1	10,706	10,131			Ludlum 2241-Z # 206078
					with probe 44-10# 112642 - cal due 7/1/16

4. Sample Information:

Sample Area ID: 4.2.B.R.6.1-2

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)
0-15	topsoil	brown	4.2.B.R.6.1	few roots
15-30	topsoil	brown	4.2.B.R.6.2	more roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/7/15 Project: NYSERDA Name: J. Brown

Weather: cloudy cool, upper 30's

1. Sample Area (SA):

SA Designation: 4.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2.B.R.7 Matrix: Soil

Location Coord: 42° 32' 19.77" N 79° 2' 34.4" W

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

X Dist. from Origin (0,0) _____ Y Dist. from Origin: _____

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat, few trees, ground scrub, dead leaves (cleared)

Canopy Type: open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	10,017	7500	9	8	Bicron Model # 1487 - cal date 6/10/16 Bicron 2291 - 2 # 201098 with probe 44-10 # 112042 - cal date 7/6/15
1	7900	7452			

4. Sample Information:

Sample Area ID: 4.2.B.R.7.1-2

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)
0-15	topsoil	brown	4.2.B.R.7.1	few roots
15-30	topsoil	brown	4.2.B.R.7.2	more roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/7/15 Project: NYSE RDA Name: J. Brown

Weather: cloudy, cool upper 30's

1. Sample Area (SA):

SA Designation: 4.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2.B.R.8 Matrix: Soil

Location Coord: 42°32'20.10" N 79°2'33.17" W

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

X Dist. from Origin (0,0) _____ Y Dist. from Origin: _____

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat, some trees, prickles, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	10,076	9261	6	6	Bicron MicroRad # 1487 cal date 4/8/16
1	10,191	9049			Ludlum 2241-2 # 206098
					with probe 44-10 # 112642 cal date 9/1/16

4. Sample Information:

Sample Area ID: 4.2.B.R.8.1-2 9/1/16

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)
0-15	topsoil	brown	4.2.B.R.8.1	few roots
15-30	topsoil	brown	4.2.B.R.8.2	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSEP-DA Name: Tom Brown

Weather: cloudy, 40°f

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.9 Matrix: Soil

Location Coord: N 42° 32' 21.00" W 79° 02' 32.83"

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, dead trees, leaves

Canopy Type: Open Land Use: Hiking Soil Moisture (Wet, dry, etc.): Damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8289	7993	5	9	N/A
1	8324	7943			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.9.1-2

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)
0-15	soil	Brown	4.2B.R.9.1	N/A
15-30	soil	Brown	4.2B.R.9.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-2-15 Project: NYSGRDA Name: Ten Brown

Weather: calm, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.10 Matrix: Soil

Location Coord: N 42° 32' W 79° 02'

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, leaves

Canopy Type: Open Land Use: Hiking Soil Moisture (Wet, dry, etc.): _____

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
	7997	7614	6	4	N/A
	8205	7831			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.10.1-2

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)
0-15			4.2B.R.10.1	
15-30			4.2B.R.10.2	

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-2-15 Project: NYSDA Name: Tori Brown

Weather: calm, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.11 Matrix: Soil

Location Coord: N 42° 32' 22.27" W 79° 02' 33.84"

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, vines, leaves

Canopy Type: Open 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	8330	7982	5	4	N/A
1	8352	7845			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.11.1-2

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)
0-15	Soil	Brown	4.2B.R.11.1	N/A
15-30	Soil	Brown	4.2B.R.11.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-2-15 Project: Ny Se RDA Name: Tori Brown

Weather: calm, cloudy, 40°

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.12 Matrix: Soil
Location Coord: N 42° 32' 21.35" W 75° 02' 33.75"

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, open, green vegetation

Canopy Type: Open 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	8815	8330	5	4	N/A
1	8704	8423			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.12.1-2

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)
0-15	Soil	Brown	4.2B.R.12.1	N/A
15-30	Soil	Brown	4.2B.R.12.2	N/A

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSEROA Name: Toni Brown

Weather: light rain, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.13 Matrix: Soil

Location Coord: N 42° 32' 21.10" W 79° 02' 34.57"

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, dead trees, leaves

Canopy Type: Open 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	8792	8277	6	4	N/A
1	8724	8208			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.13.1-2

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)
0-15	Soil	Brown	4.2B.R.13.1	N/A
15-30	Soil	Brown	4.2B.R.13.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSERDA Name: Tori Brown

Weather: cloudy, 40°f

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.14 Matrix: Soil

Location Coord: N42°32'20.6" W79°02'34.9"

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, dead trees, leaves

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

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	9061	8665	10	7	N/A
1	9191	8521			N/A

4. Sample Information:

Sample Area ID 4.2B.R.14.1-2

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)
0-15	Soil	Brown	4.2B.R.14.1	N/A
15-30	Soil	Brown	4.2B.R.14.2	root

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



SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSEERDA Name: Ten Brown

Weather: cloudy, 40° F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.15 Matrix: Soil

Location Coord: N 42° 32' 20.00" W 75° 01' 33.50"

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, dead trees, leaves

Canopy Type: Open 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	8261	8285	5	4	N/A
1	8407	7997			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.15.1-2

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)
0-15	Soil	Brown	4.2B.R.15.1	N/A
15-30	Soil	Brown	4.2B.R.15.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSEDA Name: Tori Brown

Weather: cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.16 Matrix: Soil

Location Coord: N42° 32' 20.33" W 79° 02' 34.15"

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, leaves, roots

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

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8840	8174	6	5	N/A
1	8754	8368			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.16.1-2

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)
0-15	Soil	Brown	4.2B.R.16.1	N/A
15-30	Soil	Brown	4.2B.R.16.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSERDA Name: Ten Brown

Weather: Cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B.R.17 Matrix: Soil

Location Coord: N 42° 32' 19.4" W 79° 02' 34.76"

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, dead trees, light brush, leaves

Canopy Type: Open Land Use: Hiking Soil Moisture (Wet, dry, etc.): Damp-dry

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8779	8322	6	5	N/A
1	8932	8475			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.17.1-2

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)
0-15	Soil	Brown	4.2B.R.17.1	N/A
15-30	Soil	Brown	4.2B.R.17.2	N/A

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

SAMPLE LOCATION DATA SHEET

Date: 12-3-15 Project: NYSEDA Name: Toni Brown

Weather: cloudy, 40° F

1. Sample Area (SA):

SA Designation: 4.2B Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2B R.18 Matrix: Soil

Location Coord: N 42° 32' 19.37" W 79° 03' 33.84"

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, light Brush, leaves

Canopy Type: Open Land Use: H. King Soil Moisture (Wet, dry, etc.): Comp-Dry

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8584	8300	7	6	N/A
1	8613	8237			N/A

4. Sample Information:

Sample Area ID: 4.2B.R.18.1-2, 5-6

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)
0-15	Soil	Brown	4.2B.R.18.1	N/A
15-30	Soil	Brown	4.2B.R.18.2	N/A
0-15	Soil	Brown	4.2B.R.18.5	N/A
15-30			4.2B.R.18.6	

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

SAMPLE LOCATION DATA SHEET

Date: 12-8-15 Project: NYSG RDA Name: Ton Brown

Weather: calm, partly cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2C Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2C.R.1 Matrix: Soil

Location Coord: N42°32'23.09" W79°02'30.36"

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, dead trees, leaves

Canopy Type: Open 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	9171	8540	5	5	Bicron: LUDLUM 2241-2 Serial # 262737 Cal due 7/2/16
1	9214	8689			2x2: LUDLUM 44-10 Serial # PR11127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 4.2C.R.1.1-4

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)
0-15	soil	Brown	4.2C.R.1.1	N/A
15-30	soil	Brown	4.2C.R.1.2	small roots
30-40	soil/clay	Brown	4.2C.R.1.3	N/A
40-100	soil/clay	Brown	4.2C.R.1.4	N/A

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-7-15 Project: NYSEDA Name: Ten Brown

Weather: Calm, cloudy, 40°F

1. Sample Area (SA):

SA Designation: 4.2C Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 4.2C.R.2 Matrix: Soil

Location Coord: N42°32'23.04" W79°02'30.01"

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, light brush, vines, leaves

Canopy Type: Open 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	8946	8078	5	5	Bicron: LUDCO 2241-2 Serial # 262737 Cal due: 9/2/16
1	8843	8284			2x2: WDW 44-10 Serial # P211127 #A2240 Cal due: 8/4/16

4. Sample Information:

Sample Area ID: 4.2C.R.2.1-2

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)
0-15	Soil	Brown	4.2C.R.2.1	N/A
15-30	Soil	Brown	4.2C.R.2.2	N/A

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