

Ocean Veritas  
Lauren Tom and Krystle Chavarria

1. Sampling begins (07:30)
2. Tasks: Lauren=DNA, RNA, Protein, Krystle=INT, AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Culturing
3. First Site: OV032:
  - Sampled the surface, no plume detected, we sampled from plume depth and saved 2L of unfiltered sample for Terry.
  - OV032-surface: INT, AODC, DNA (6L), RNA (6L), Protein (6L), Stable Isotope, VOA, Nutrient Chemistry
  - OV03202: INT, AODC, DNA (450mL), Stable Isotope, VOA, Nutrient Chemistry. Will send Terry 2L of sample from 1100m to use as background (plume depth, but no plume).
4. Second site: OV033
  - Sampled the surface, no plume detected, we sampled from plume depth and saved 2L of unfiltered sample for Terry.
  - OV033-surface: INT, AODC, DNA (6L), RNA (6L), Protein (6L), Stable Isotope, VOA, Nutrient Chemistry
  - OV03302: INT, AODC, DNA (450mL), Stable Isotope, VOA, Nutrient Chemistry, Culturing. Will send Terry 2L of sample from 1100m to use as background (plume depth, but no plume).
5. Third site: OV034:
  - Sampled the surface, no plume detected.
  - OV034-surface: INT, AODC, DNA (3L), RNA (3L), Protein (3L), Stable Isotope, VOA, Nutrient Chemistry, Culturing.
6. Fourth site: OV035:
  - Plume detected.
  - Sampled the surface, and multiple depths within the plume.
  - OV035-surface: INT, AODC, DNA (3L), RNA (3L), Protein (2.9L), Stable Isotope, VOA, Nutrient Chemistry, Culturing
  - OV03501: INT, AODC, DNA (400mL), RNA (400mL), Protein (360mL), Stable Isotope, VOA, Nutrient Chemistry
  - OV03502+03: INT, AODC, DNA (4.2L), RNA (4.2L), Protein (4.2L), Stable Isotope, VOA, Nutrient Chemistry, Culturing
  - OV03504: INT, AODC, DNA (2.1L), RNA (2L), Protein (2L), Stable Isotope, VOA, Nutrient Chemistry
  - OV03505: INT, AODC, DNA (1.95L), RNA (1.9L), Protein (1.9L), Stable Isotope, VOA, Nutrient Chemistry
  - OV03506: INT, AODC, DNA (2L), RNA (1.95L), Protein (1.9L), Stable Isotope, VOA, Nutrient Chemistry
  - OV03507: INT, AODC, DNA (400mL), RNA (400mL), Protein (.400mL), Stable Isotope, VOA, Nutrient Chemistry
  - OV03508: INT, AODC, DNA (6L), RNA (6L), Protein (5.5L), Stable Isotope, VOA, Nutrient Chemistry
7. Finished filtering (22:30).