Vessel science party:

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Email/Phone** |
| Mary White | Data Manager | loihi@ix.netcom.com |

# Cruise notes:

CTD and water samples taken at Stations 074-01, 075-01, 076-01, 077-01. No samples were taken at station 78-01, CTD trace only.

# Daily Operations:

|  |  |  |
| --- | --- | --- |
| **Data Collection** | **Collected (Y/N)?** | **Comment** |
| CTD Casts |  Y |  |
| Fluorometry |   |   |
| LISST |  N |   |
| Dissolved Oxygen | Y |  |
| Sampling – TPH | Y |   |
| Sampling – VOA |  N |   |
| GCMS |  N |   |
| Acoustics |  N |   |
| MOCNESS |  N |   |
| PAH Detection |  |   |
| Biota |   |   |
| Rototox |  N |   |
| Other: Methane |  Y |   |

# Science results and preliminary interpretations: (please attach any figures/images at end of document)

*Fluorometry and Dissolved Oxygen preliminary results*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| StationID | Distance fromWellhead (km, bearing) | Fluorescence Signal\* | Signal Depth (m) | DO Comments |
| 074-01 |  | Weak | 35 |  |
| 075-01 |  | Weak | 38.5 |  |
| 076-01 |  | Weak | 65 |  |
| 077-01 |  | N/A | N/A |  |
| 078-01 |  | N/A | N/A |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

\*Use Fluorescence Signal scale from Location Table: No Signal (Background); Very Weak (<= 1 mg/m3);

Weak (> 1 mg/m3 and <= 5 mg/m3); Moderate (>5 mg/m3 and <=15 mg/m3); Strong (> 15 mg/m3)

*Chemistry: GCMS / HAPSITE*

*Microbial analysis (if applicable)*

*Other Observations*

## Operational / Logistical issues:

## Planned activities for next 24 hours:

Moving south heading to station 79-01 at Lat: 28 32.424, Long: 87 55.987 – further stations to be decided based on what is found at station 79-01.