# Vessel science party:

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Email/Phone** |
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# Cruise notes:

CTD casts at and samples at stations 45-01, 46-01, 47-01 and 48-01. Station 45-01 was for Argos float calibration.

CTD trace only at stations 49-01 and 49-02.

# 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 from  Wellhead (km, bearing) | Fluorescence Signal\* | Signal Depth (m) | DO Comments |
| 045-01 | West | N/A |  |  |
| 046-01 | Southwest | N/A |  |  |
| 047-01 | Southwest | 1111 |  |  |
| 048-01 | Southwest | 1170 |  |  |
| 049-01 | Southwest | N/A |  |  |
| 049-02 | Southwest | 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:

Headed to area of station 6 from Cruise 01 to run south to north transect of stations in canyon.