# Vessel science party:

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| --- | --- | --- |
| **Name** | **Position** | **Email/Phone** |
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# Cruise notes: Enroute to well head, arrived near MC 252 at 0700 on Aug 12th. Ran 10 short lines over the Seep to SW of field to ensure quality EK60 data and stood by for permission to enter 500M zone. Completed CTDs on 10km radial at 315, 000, 045 bearing. Ship’s survey techs are standing 12 hour watches. Three physical scientists are helping with 24 hour water sample collection and monitoring EK60 data. At 1730 gained permission from SIMOPS to run 10 passes over wellhead until 2000.

# Daily Operations:

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| --- | --- | --- |
| **Data Collection** | **Collected (Y/N)?** | **Comment** |
| CTD Casts |  Y |  3 completed |
| Fluorometry |  Y |  Sensor on CTD |
| LISST |   |   |
| Dissolved Oxygen | Y | Sensor on CTD |
| Sampling – TPH |  Y |   |
| Sampling – VOA |  Y |   |
| GCMS |  Y |   |
| Acoustics |  Y |  EK 60 on |
| MOCNESS |   |   |
| PAH Detection |   |   |
| Biota |   |   |
| Rototox |   |   |
| Other: |   |   |

# 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 |
|  42 | 10 km, 315 ° T |  |  |  |
|  43 | 10km, 000° T |  |  |  |
|  44 | 10km, 045° T |  |  |  |
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\*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*

Samples have been analyzed by GCMS with no hydrocarbon hits.

*Microbial analysis (if applicable)*

*Other Observations*

## Operational / Logistical issues:

## Didn’t know what time SIMOPS was going to let us start acoustic monitoring and stood by all day waiting to hear back.

## Planned activities for next 24 hours:

Record and upload EK60 data. Transit to 30km radial and proceed with CTD stations per August 12th guidance. Water sample collection at 3 depths per cast unless noticeable drop in DO reading then collect more as necessary. To save time run casts to 1800m or less. Analyze samples with GCMS. Enroute to Pascagoula on Friday at midnight.