



Client:	PRO249
Reference:	11-1149

Client:

Client: ProOne, Inc.
Address: 940 South Coast Drive, Ste 125
City: Costa Mesa
Prov./State: California
Country: US
Postal/ZIP Code: 92626

Contact: Michael Irick
Tel: 714-327-0262
Fax: 403-995-2476
Email: mirick@pro-one.us
Billing: PO 331B
Turnaround Time: Regular

Sample:

Operator:	Location:	Sample ID:	Sample Type:
not given	not given	Bio-Stable Downhole Drilling Fluid	product

collected: not given at: not given by: not given
received: 2011/06/28 at: 1430 by: L. Henson
container: 2 x 100mL bottles
sublet analysis: None

Sample pH:	Sample Description:	Sample Odour:	Visible Oil:
8.3 (at 10%)	clear yellow viscous liquid	chemical	no

Pretreatment:

pH Adjustment:	Time Centrifuged (min):	Supernatant:	Other Pretreatment:
not applicable	none	not applicable	not applicable

Results:

Test	EC20	EC50	PASS/FAIL
MTX - Threshold	0.0034L/m ³ (0.0030 - 0.0039)	0.018 L/m ³ (0.016 - 0.020)	not applicable
MTX - Confirmation @ 0.018 L/m ³	22% (17 - 29)	> 91%	PASS

analyzed: 2011/06/30 by: N. Grebneva emailed: 2011/07/05 by: N. Grebneva
reported: 2011/07/05 by: N. Grebneva phoned: not applicable by: not applicable

Comments: | Product was tested as received at 100% or 1000 L/m3

Notes: Tests are done on clarified sample (centrifuged at 16,000 x g for 20 min); MTX, Microtox EC50 procedure; MTX-C, Microtox after charcoal treatment on clarified sample for 10 min; MTX-CC, Microtox with colour correction performed on clarified supernatant; MTX-Xt, Microtox on supernatant from solids extracted with equal volume of deionized water for 1 h; H02/H03, oil and grease analyses; Sublet to Kalzen Environmental Services Inc.; Pass, Microtox result with an EC50 > 75%; Fail, EC50 < 75%; Test Method Reference: Drilling Waste Management Directive D50, 1996. Appendix 1. Microtox Bioassay Procedures, Alberta Energy and Utilities Board, Calgary, Alberta. Endpoints are calculated by Linear Interpolation unless otherwise noted.

The test data and results are authorized and verified correct.

Technical Lead

Quality Coordinator

Our liability is limited to the cost of the test requested. The test results only relate to the sample as received. No liability in whole or in part is assumed for the collection, handling or transport of the sample, application or interpretation of the test data or results.