



Report Date: February 17, 2011

Amy Wolf
ALS Laboratory Group
225 Commerce Dr.
Fort Collins, CO 80524

Phone: (970) 490-1511
Fax: (970) 490-1522

E-mail: awolf@paragonlabs.com

Workorder: **1104046**
Project ID: **Complaint 200294386**
Purchase Order: 1102061-2

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
Dahl WW PM	1104046001	02/07/11	02/09/11	
Dahl WW AM	1104046002	02/07/11	02/09/11	



Client: ALS Laboratory Group (Fort Collins)

Project Manager: Kevin W. Griffiths

Analytical Results

Workorder: 1104046

Sample ID: <u>Dahl WW PM</u>	Matrix: Water	Collected: 2/7/2011
Lab ID: 1104046001	Media: 40 mL Clear Glass VOA Vial	Received: 2/9/2011
Sampling Site: NA	Sampling Parameter: NA	

Analysis Method - Dispersants by GC-MS

Preparation: Not Applicable	Analysis: Dispersants by GC-MS, Water (No Prep)	Instr ID: 5972-C
	Batch: ISPC/1463 (HBN: 62268)	Percent Solids: NA
	Analyzed: 2/17/2011	Report Basis: Wet

Analyte	mg/L	RL	Dilution	Qual.
2-Butoxyethanol	ND	1.0	1	

Sample ID: <u>Dahl WW AM</u>	Matrix: Water	Collected: 2/7/2011
Lab ID: 1104046002	Media: 40 mL Clear Glass VOA Vial	Received: 2/9/2011
Sampling Site: NA	Sampling Parameter: NA	

Analysis Method - Dispersants by GC-MS

Preparation: Not Applicable	Analysis: Dispersants by GC-MS, Water (No Prep)	Instr ID: 5972-C
	Batch: ISPC/1463 (HBN: 62268)	Percent Solids: NA
	Analyzed: 2/17/2011	Report Basis: Wet

Analyte	mg/L	RL	Dilution	Qual.
2-Butoxyethanol	ND	1.0	1	

Report Authorization

Analysis Method - Dispersants by GC-MS

<u>Thomas J. Masoian</u>	<u>Thomas Bosch</u>
Analyst	Peer Review

Laboratory Contact Information

Phone: (801) 266-7700
Email: alsit.lab@alsglobal.com
Web: www.datachem.com

ALS Laboratory Group (formerly DataChem Laboratories, Inc.)
960 W Levoy Drive
Salt Lake City, Utah 84123

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS is accredited by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accreditation (ID# DATA1) which is available by request or on the internet at <http://health.utah.gov/lab/labimp/labcert/envlabcert.html>. The quality systems implemented in the laboratory apply to all methods performed by ALS regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.



Client: ALS Laboratory Group (Fort Collins)

Project Manager: Kevin W. Griffiths

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.

RL = Reporting Limit, a verified value of method/media/instrument sensitivity.

CRDL = Contract Required Detection Limit

Reg. Limit = Regulatory Limit.

ND = Not Detected, testing result not detected above the MDL or RL.

< This testing result is less than the numerical value.

** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.

J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

B = Qualifier indicates that the analyte was detected in the blank.

E = Qualifier indicates that the analyte result exceeds calibration range.

P = Qualifier indicates that the RPD between the two columns is greater than 40%.



PURCHASE ORDER

P.O. No: 1102061-2

FOR SUBCONTRACT ANALYSES

The above purchase order number must appear on all related correspondence and invoices.

Date: 2/7/2011
Contact: Amy Wolf
E-Mail: Amy.Wolf@alsglobal.com

Attention: Kevin Griffiths
Company: _____
Address: _____

Terms: Net 30

Phone: _____
Fax: _____

Bill To: ALS Environmental
225 Commerce Drive
Fort Collins, CO 80524

Ship To: ALS Environmental
225 Commerce Drive
Fort Collins, CO 80524

Phone: 970-490-1511
Fax: 970-490-1522

Phone: 970-490-1511
Fax: 970-490-1522

Item/Description	Quantity	Unit Price	Extended Price
2-butoxyethanol	2	157.5	\$315.00

Sales Tax:	N/A
Shipping/Handling:	N/A
Other:	N/A

Total Order Amount: \$315.00

Comments:

ALS LABORATORY GROUP SALT LAKE CITY CLIENT-RELATED INFORMATION REPORT (CRIR)

COOLER OR CONTAINER INFORMATION CHECKLIST (Fill In or Circle)								
Client Name: <u>ALS Fort Collins</u>			Project/Task/Site: <u>1104046</u>					
Date/Time of Receipt: <u>2-9-11 1030</u>			Number of Coolers Received: <u>1</u>					
Condition of Coolers: <u>Acceptable/Unacceptable</u>			Temperature Control: Present/Not <u>Included</u>			Custody Seals: Present/Absent/NA		
Intact/Broken/NA			Location Temp Taken: Control/ <u>Between</u> Samples			Are all temperatures within project specific guidelines? Yes/ <u>No</u> /NA		
Tamper Evident: Yes/ <u>No</u> /NA			Are all applicable pHs within specific guidelines? <u>Yes</u> /No/NA			Ice Present: <u>Yes</u> /No/NA		
Frozen/Melted/NA			PH Check:			Metals Yes/No/NA		
Cyanide Yes/No/NA			Total Phenolics Yes/No/NA			NO3/NO2 Yes/No/NA		
Sulfide Yes/No/NA			TPH - 418.1 Yes/No/NA			Oil & Grease Yes/No/NA		
Ammonia Yes/No/NA			COD Yes/No/NA			Total Phosphorous Yes/No/NA		
			TKN Yes/No/NA			Gross A.B, Gamma Spec Yes/No/NA		
Cooler Received	ALS Cooler No.	Temp.	Cooler Received	ALS Cooler No.	Temp.	Cooler Received	ALS Cooler No.	Temp.
1	C11- <u>7507</u>	<u>9</u> °C	4	C11-	°C	7	C11-	°C
2	C11-	°C	5	C11-	°C	8	C11-	°C
3	C11-	°C	6	C11-	°C	9	C11-	°C
Taken By: <u>[Signature]</u>		Signature		<u>Brian Moran</u>		Printed Name		<u>2-9-11</u>
								Date

CLIENT-RELATED INFORMATION			
<input type="checkbox"/> Missing Cooler	<input type="checkbox"/> Missing Samples/Bottles	<input type="checkbox"/> Incorrect Preservation	<input type="checkbox"/> Chain of Custody Problems
<input type="checkbox"/> Cooler Conditions	<input type="checkbox"/> Broken/Leaking Samples	<input type="checkbox"/> pH Criteria Not Met	<input type="checkbox"/> Other:
<input type="checkbox"/> Missing Paperwork	<input type="checkbox"/> Incorrect Bottle Type	<input type="checkbox"/> Head Space in Bottles	EPA Custody Seal:
<input type="checkbox"/> Missing/Incorrect Bottle labels	<input type="checkbox"/> Cooler Temperatures Out of range	<input type="checkbox"/> Insufficient Sample Volume	
BRIEFLY DESCRIBE THE PROBLEM AND THE ACTION TAKEN:			
Faxed to Client? YES <input type="checkbox"/> NO <input type="checkbox"/> (if yes, attach Fax Cover Sheet)			

Response Required Within 24 Hours

PROJECT MANAGEMENT		
PROJECT MANAGER COMMENTS:		
ALS Project Manager: _____	Returned to Sample Receipt by: _____	Date: _____
<small>Printed Name</small>	<small>Signature</small>	



Analysis Information

Workorder: 1104046		
Limits: Method	Preparation: NA	Analysis: Dispersants by GC-MS
Basis: ALS Laboratory Group	Batch: NA	Batch: ISPC/1463 (HBN: 62268)
	Prepared By: NA	Analyzed By: Thomas J. Masoian

Blank

MB: 206426		
Analyzed: 02/17/2011 00:00		
Units: mg/L		
Analyte	Result	RL
2-Butoxyethanol	ND	1

Laboratory Control Sample

LCS: 206427					
Analyzed: 02/17/2011 00:00					
Units: mg/L					
Analyte	Result	Target	% Recovery	QC Limits	
2-Butoxyethanol	14.5	15	96.3	70	130

Symbols and Definitions

- * - See Comments section for more information
- ▲ - Sample result is greater than 4 times the spike added.

RPD - Relative % Difference (Spike / Spike Duplicate)
 ND - Not Detected
 QC results are not adjusted for moisture correction, where applicable.



Analysis Information

Workorder: 1104046		
Limits: Method	Preparation: NA	Analysis: Dispersants by GC-MS
Basis: ALS Laboratory Group	Batch: NA	Batch: ISPC/1463 (HBN: 62268)
	Prepared By: NA	Analyzed By: Thomas J. Masoian

Comments

None

QC Data Approved and Reviewed by

<u>Thomas J. Masoian</u>	<u>Thomas Bosch</u>	<u>2/17/2011</u>
Analyst	Peer Review	Date

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