# LABORATORY TEST REQUEST

ACCOUNT NUMBER, NAME AND ADDRESS

JEFFERSON, LAB BLDG 35 12000 JEFFERSON AVE NEWPORT NEWS, VA 23606

Phone: 757-269-7039 Fax: 1-757-269-5187

PROJ#: AML00020



SAMPLE TYPE/MEDIA PROJECT NAME OR NUMBER CONTACT On Solud HALL D Detector
TELEPHONE NUMBER 9 Sept 13 + Bulk PURCHASE ORDER NO. DICK OWEN 75"
SPECIAL INSTRUCTIONS AND/OR UNUSUAL CONDITIONS: 757 269-8381 TURN AROUND TIME ☐ FAX RESULTS FAX NUMBER: Bulk as Rof. for liquid (light film) \* SAMEDAY \* 🗆 2 DAY PAEMAIL RESULTS, EMAIL: \* 1 DAY TANDARD on white side of cooling pad. \* CALL FOR AVAILABILITY \* EXTRA CHARGE SAMPLE VOLUME/LITERS ANALYSIS REQUESTED-PLEASE USE SEPARATE LABORATORY TEST REQUEST FOR EACH SAMPLE TYPE SAMPLE DATE SAMPLE # OR SAMPLE AREA FOR LABORATORY USE ONLY Propleme Glycol or 13 250 137 Perfluero compound SCANNED OCT 09 2013 Discussion with ANDY Teague **CHAIN OF CUSTODY RECORD** SAMPLES HAVE BEEN SEALED FOR TRANSPORT AND DELIVERED TO LABORATORY VIA: SIGN HERE TO INITIATE CHAIN OF CUSTODY Fed 4 IF "ANALYTICS COURIER" SIGN HERE CARRIER DATE/TIME CONDITION OF SAMPLE SAMPLES RECEIVED BY: SAMPLES RELEASED BY: SIGNATURE CAMPLE RECEIVING) SIGNATURE(SAMPLE RECEIVING) SIGNATURE(SAMPLE ADMINISTRATION) SIGNATURE(SAMPLE ADMINISTRATION) SIGNATURE(LAB) SIGNATURE(LAB) SIGNATURE(LAB) SIGNATURE(LAB)



# Sample Container Receipt Form Version 6-24-2011

Work Order: 1017726

Customer Name: JEFFERSON LAB

45209005 AML000

Sample Custodian Signature	Notes	BULK OF REF MAT 1017726002-A	13RJ0137	CLIENT SAMPLE ID
jnature	¥	1017726002-A	1017726001-A	CLIENT SAMPLE ID LAB CONTAINER ID
*		Client	Client	TYPE OF CONTAINER
		1	1	QTY
A A		16	16	Temp(C)
				무
g Por				Chlorine on Arrival (ppm)
Date:	177	OK.	OK.	Condition Code
		NONE	NONE	Preservative



Analytics Corporation 10329 Stony Run Lane Ashland, VA 23005 Phone: (804) 365-3000 Fax: (908) 365-3002

October 09, 2013

RICHARD OWEN
JEFFERSON LAB
12000 JEFFERSON AVE
Newport News, VA 23606

Purchase Order:

Client ID:

HALL D DETECTOR

Work Order:

1017726

Dear RICHARD OWEN

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, October 01, 2013. The signature below certifies that the results are based on the referenced methods and applicable certifications or accreditations are noted for each parameter reported (see key at end of report).

Unless otherwise specified all analyses of solid materials are based on dry weight.

Reported results relate only to the items tested, as received by the laboratory.

On-site analysis (analysis ASAP) is recommended for the following tests: pH, temperature, dissolved oxygen, residual chlorine and sulfite. When performed off-site, these tests do not meet NELAC standards.

Abbreviations:ug/L = micrograms per Liter, mg/L = milligrams per Liter, ug/g = micrograms per gram, mg/kg = milligrams per kilogram ug/wp = micrograms per wipe, ug/ml = micrograms per millimeter, uS/cm = microsiemens per centimeter at 25 degrees Celcius ppb = parts per billion, DF = Dilution Factor.

If you have any questions concerning this report, please feel free to call Client Services at 1-800-888-8061.

Sincerely

Dawn Casto
Technical Director (or designee)

Enclosures

Report ID: 1017726-20131009124040



Analytics Corporation 10329 Stony Run Lane Ashland, VA 23005 Phone: (804) 365-3000

Fax: (908) 365-3002

## **ANALYTICAL RESULTS**

Workorder: 1017726

HALL D DETECTOR

Lab ID:

1017726001

Date Received:

10/01/2013 15:45 Matrix Bulk

Sample ID:

13RJ0137

Date Collected:

09/09/2013 0:00 Sample Type: NA

Parameters	Results U	Jnits I	Report Limi	DF	Prepared	B	у /	Analyzed	В	У	Qual	Certifications
Analytical Method:	SW-846 8015C			Pi	reparation Metho	od: SW	-846 35	50M				
1,4-Butanediol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		
Diethylene Glycol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		
Dipropylene glycol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		
Ethylene Glycol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		
Propylene Glycol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		
Triethylene Glycol	<10.7	mg/Kg	10.7	1	10/04/2013	17:00	DAC	10/7/2013	11:29	JCS		

Report ID: 1017726-20131009124040



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## **ANALYTICAL RESULTS**

Workorder: 1017726

HALL D DETECTOR

Lab ID:

1017726002

Date Received:

10/01/2013 15:45 Matrix Aqueous Liquid

Sample ID:

**BULK OF REF MATERIAL** 

Date Collected:

Sample Type: NA

							•			
Parameters	Results Units	Report Limi		DF	Prepared	Ву	Analyzed	Ву	Qual	Certifications
Analytical Method:	SW-846 8015C									
1,4-Butanediol	<100000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		V
Diethylene Glycol	<100000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		٧
Dipropylene glycol	<100000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		V
Ethylene Glycol	<100000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		V
Propylene Glycol	848000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		٧
Triethylene Glycol	<100000	mg/L	10000	10000	NA	NA	10/7/2013	11:29 JCS		٧

Report ID: 1017726-20131009124040



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### **ANALYTICAL RESULTS**

Workorder: 1017726

HALL D DETECTOR

### **Work Order Qualifiers**

- -- Sample received out of the 2-6 C temperature range.
- -- Sample 1014762-024 non-homogeneous, large particle on filter

Certification Index:

V = Virginia (NELAC) - 1 VAC 30-46 H 1, Laboratory ID: 460160, Certificate #: 2104

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