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June 14, 2004

Commander
Naval Facilities Engineering Command
Atlantic Division
6506 Hampton Boulevard, Building A, Room 1306
Norfolk, Virginia 23508

Attention: EV32JC, Mr. John D. Conway, P.G.

Re: **FINAL** - Letter Report of Findings and Request for "No Further Action"
Building 1919-1
Five ER,N Funded Site Closures
Marine Corps Base
Camp Lejeune, North Carolina

Navy Contract No. N62470-01-D-3009
Delivery Order No. 0101
CATLIN Project No. 203-118

Dear Mr. Conway:

The following letter report is submitted to document recent sampling activities at the subject site, Building 1919-1. CATLIN Engineers and Scientists (CATLIN) was authorized to perform field activities and prepare this letter report by LANTDIV NAVFACENCOM in accordance with Order for Supplies Contract Number N62470-01-D-3009, and Delivery Order Number 0101. Based on the findings of this investigation, Building 1919-1 appears to qualify for "Low Risk" classification and "No Further Action" status.

Background and Purpose of Investigation

(Refer to Figures 1 and 2)

The Building 1919-1 site is located near the intersection of Stone Street and Seth Williams Boulevard, aboard Marine Corps Base (MCB) Camp Lejeune, North Carolina (Figure 1). The site is part of a base housing maintenance facility, and previously contained a 500-gallon diesel fuel

underground storage tank (UST). The area surrounding the former UST basin is the subject of this investigation.

Previous investigations regarding Building 1919-1 include a Tank Removal Report, Building – 1919-1, MCB Camp Lejeune, North Carolina, submitted in 1993 and prepared by others. R. E. Wright Environmental, Inc. prepared a Three Well Site Check Report in November 1994, and J. A. Jones Environmental Services Company conducted UST removal activities at the site, and submitted an Underground Storage Tank Removal Report dated February 4, 2002. No on-site soil contamination has been identified in excess of the lowest Maximum Soil Contaminant Concentrations (MSCCs). However, concentrations of Bis(2-ethylhexyl)phthalate in groundwater samples from monitoring well MW-03 were revealed in excess of the NCAC T15A:02L Groundwater Quality Standards (2L GWQS), or Interim Groundwater Quality Standards. Based on the levels of groundwater contamination, the site was eligible for “No Further Action” status, and the issuance of a Notice of Residual Petroleum With Land Use Restrictions.

The purpose of this investigation was to complete the fieldwork and reporting necessary for obtaining “No Further Action” status without Land Use Restrictions. Fieldwork involved collecting one groundwater sample from monitoring well MW-03, and analysis for the presence of bis(2-ethylhexyl)phthalate. The Building 1919-1 site plan and groundwater sample location are illustrated on Figure 2.

Field Methods

On March 1, 2004, CATLIN personnel gauged monitoring well MW-03 for depth to water, and purged the well using a new, disposable, pre-cleaned bailer. Three volumes of water were purged from the well prior to sample collection. New, disposable latex gloves were worn and the sample was poured directly into the appropriately labeled laboratory glassware. The glassware was then placed on ice in an insulated cooler and transported, following proper chain-of-custody protocol, to Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina (NC Certification Number 481). The sample was then analyzed for the presence of bis(2-ethylhexyl)phthalate per Environmental Protection Agency (EPA) Method 625 base/neutrals. Chain-of-custody documentation is included with the attached laboratory report.

Results

Analysis per EPA Method 625 base/neutrals revealed no bis(2-ethylhexyl)phthalate contamination above the laboratory quantitation limit of 10.0 µg/L. Laboratory analytical results are attached.

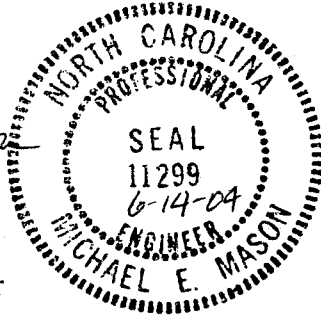
Summary and Conclusions

Previously detected concentrations of bis(2-ethylhexyl)phthalate in groundwater samples collected at the Building 1919-1 site appear to have naturally attenuated to levels below laboratory quantitation limits. This site should qualify for "Low Risk" classification and "No Further Action" status is recommended. Should you have any further questions concerning Building 1919-1, please feel free to contact us at your convenience.

Sincerely,

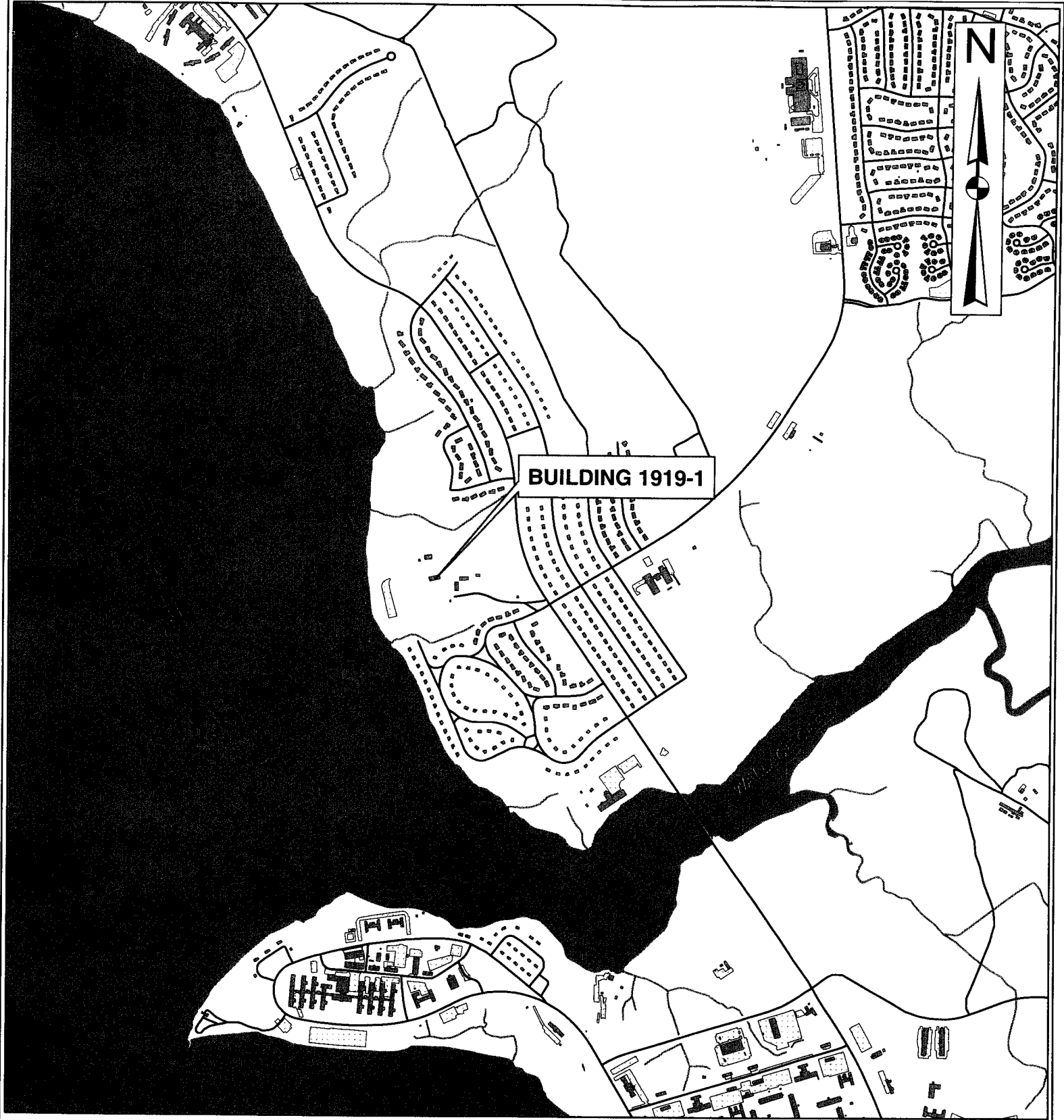


Michael E. Mason, P.E.
CATLIN Program Manager



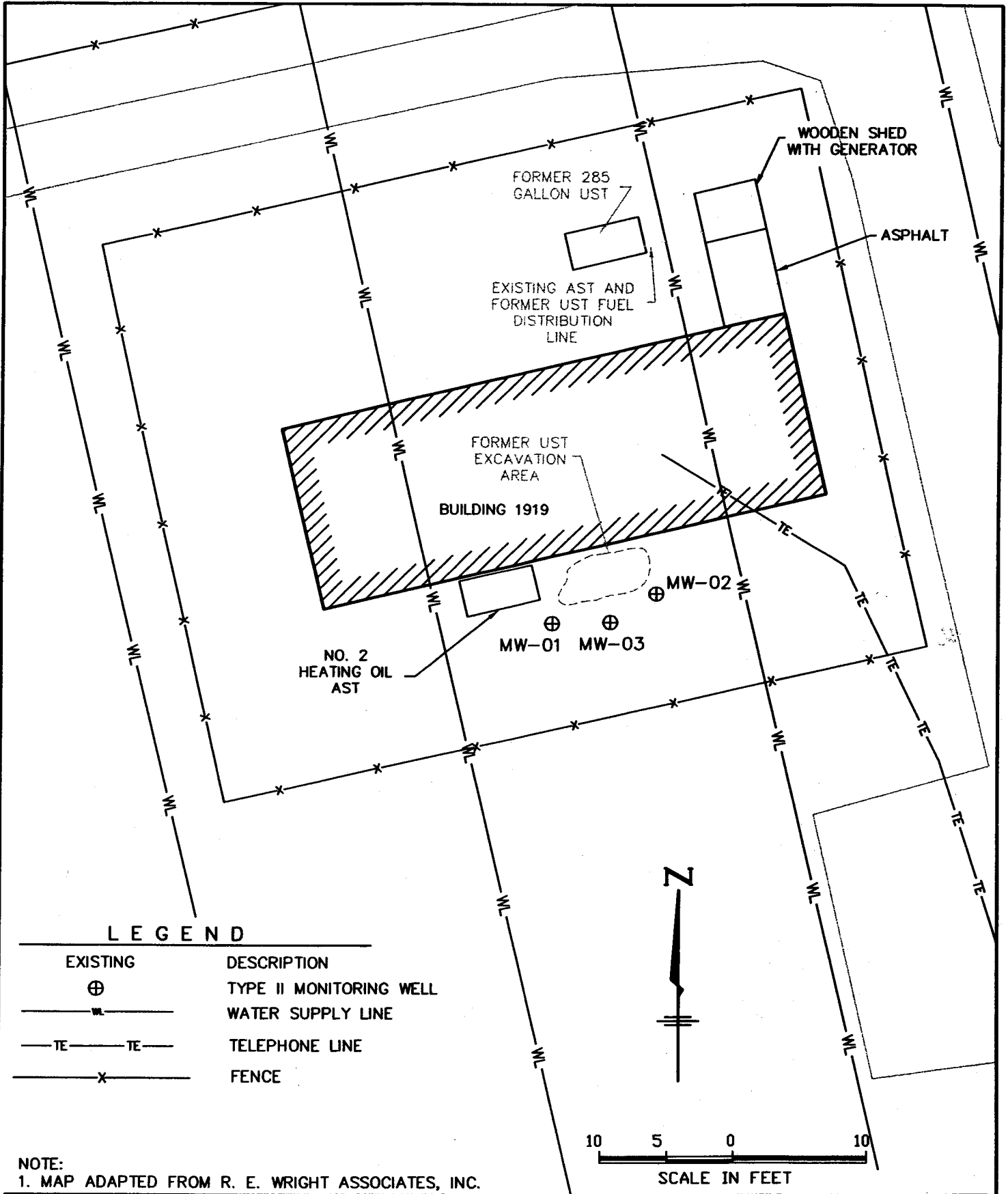
Attachments: Figures 1 and 2, Laboratory Analytical Report

cc: Ms. Pamela Argilan – Code AQ11B Contracts, Correspondence only
Commanding General, Attn: Director I&E, EMD, EQB



1,500 750 0 1,500 Feet
 SCALE

	PROJECT BUILDING 1919-1 MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE SITE VICINITY MAP		FIGURE
	JOB NO. 203-118	DATE MAY 2004	SCALE AS SHOWN	DRAWN BY SAC	CHECKED BY MEM



LEGEND

EXISTING	DESCRIPTION
⊕	TYPE II MONITORING WELL
—WL—	WATER SUPPLY LINE
—TE—TE—	TELEPHONE LINE
—X—	FENCE

NOTE:
1. MAP ADAPTED FROM R. E. WRIGHT ASSOCIATES, INC.

<p>WILMINGTON, NORTH CAROLINA</p>	<p>PROJECT</p> <p>BUILDING 1919 MARINE CORPS BASE CAMP LEJEUNE, NC</p>	<p>TITLE</p> <p>BUILDING 1919-1 SITE PLAN</p>	<p>FIGURE</p> <p>2</p>
	<p>JOB NO. 203-118</p>	<p>DATE: MAY 2004</p>	<p>SCALE: 1"=10'</p>

PARADIGM ANALYTICAL LABORATORIES, INC.

5500 Business Drive
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Ben Ashba
Richard Catlin & Associates
P.O. Box 10279
Wilmington NC 28404-0279

Report Number: G128-1269

Client Project: 5 site closures-Camp Lejeune

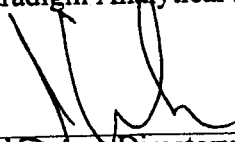
Dear Mr. Ashba:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

3/15/04

Date

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: MW-03 (Building 1919-1)
Client Project ID: 5 site closures-Camp Lejeune
Lab Sample ID: G128-1269-3A
Lab Project ID: G128-1269

Analyzed By: MRC
Date Collected: 03-01-2004
Date Received: 03-03-2004
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	03-13-2004
		Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl		10	8.4	84
Nitrobenzene-d5		10	7	70
4-Terphenyl-d14		10	10.5	105

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By: 

List of Reporting Abbreviations
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

PARADIGM ANALYTICAL LABORATORIES, INC.

5500 Business Drive, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 41592

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Client: Catlin Project ID: 5 site closures - Camp Lejeune Date: 3-3-04 Report To: Ben Ashba @ Catlin
 Address: 220 Old Dairy Rd. Contact: Ben Ashba Turnaround: Standard
 Address: Wilmington NC 28405 Phone: 910-452-5861 Job Number: 203-118
 Quote #: DOD 101 Fax: 910-452-7563 P.O. Number: 240115-4 Invoice To: Sheila @ Catlin

Sample ID	Date	Time	Received By	Date	Time	Temperature	Notes
STAS843-MW03	3-2	11:25	GW	✓	✓	✓	Summary and LeJeune EDD format - REPORT ANY LOW RUNS
STAS843-MW05	3-2	11:15	GW	✓	✓	✓	report only bis(2-ethylhexyl) phthalate
MW-03 (Bu. bins 1919-1)	3-1	2:30P	GW	✓	✓	✓	report only bis(2-ethylhexyl) phthalate bromodichloromethane, chloroform
ST199-2-MW01	3-1	2:45P	GW	✓	✓	✓	report only bis(2-ethylhexyl) phthalate
ST47-4-MW01	3-2	3:30P	GW	✓	✓	✓	
MW-01 (A5-118)	3-2	12:00	GW	✓	✓	✓	
							6728-1269

NC SC Other
 SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

N.C. Certification #481 S.C. Certification #99029