

**CH2M HILL**  
15010 Conference Center Dr  
Suite 200  
Chantilly, VA 20151  
Tel 703.376.5000  
Fax 703.376.5010



September 15, 2009  
380974.SA.DM

NAVFAC Mid Lant  
Environmental Restoration  
Att: Tim Reisch; Code: OPHREV4  
9742 Maryland Ave  
Norfolk, VA 23551-3095

Subject: Laboratory Selection for Little Creek

Dear Mr. Reisch:

CompuChem has been selected to provide analytical services for the MWR Skeet Range Site Investigation at Little Creek under Contract Task Order (CTO) 0036 under the Navy CLEAN 1000 program. The laboratory is a participant in the Navy CLEAN Basic Ordering Agreement (BOA) and is currently approved by the Navy and/or EPA for the requested analyses. All analyses requested for this project are performed using EPA methods.

The Navy has determined that CompuChem is capable of compliance with the data quality objectives outlined in the workplan. Attached are (1) the tables of analytical methods used, and (2) the Navy approval letter, showing NFESC acceptance of the laboratory to perform the requested methods for hazardous waste constituents where acceptance is appropriate.

Sincerely,

CH2M HILL

A handwritten signature in black ink that reads "M Morrison".

for Bill Hannah/VBO  
Project Manager

Enclosures

cc: Jonathan Tucker/Navy  
Jamie Butler/CH2M HILL

Bonnie Capito/NAVFAC Atlantic  
Jeffrey Boylan/EPA

Bid Sheet																	
Clean 1000 CTO-036 MWR Skeet Range																	
NAB Little Creek; Virginia Beach, VA																	
Analytical Laboratory Services																	
Analysis/Test	Sample Matrix	Field Samples	Field Duplicates	Equipment Rinsate Blanks <sup>1</sup>	Field Blanks <sup>1</sup>	Trip Blanks	Matrix Spike <sup>2</sup>	Matrix Spike Duplicate <sup>2</sup>	Estimated Total Number of Liquid Samples	Estimated Total Billable Liquid Samples <sup>2</sup>	Liquid Unit Price	Liquid Subtotal Cost	Estimated Total Number of Solid Samples	Estimated Total Billable Solid Samples <sup>2</sup>	Solid Unit Price	Solid Subtotal Cost	Total Analytical Cost
Lead by SW846 6010B	SS	12	2	1	1	0	1	1	2	2		\$ -	16	14		\$ -	\$ -
PAHs by SW846 8270C SIM	SS	12	2	1	1	0	1	1	2	2		\$ -	16	14		\$ -	\$ -
Copper, Zinc by SW846 6010B	SS	1	1	1	1	0	1	1	2	2		\$ -	4	2		\$ -	\$ -
Lead by SW846 6010B	SB	12	2	1	0	0	1	1	1	1		\$ -	16	14		\$ -	\$ -
PAHs by SW846 8270C SIM	SB	12	2	1	0	0	1	1	1	1		\$ -	16	14		\$ -	\$ -
Lead by SW846 6010B	GW	4	1	1	0	0	1	1	8	6		\$ -					\$ -
PAHs by SW846 8270C SIM	GW	4	1	1	0	0	1	1	8	6		\$ -					\$ -
<b>Preparation of UFP-SAP Worksheets (3 business-day TAT)</b>																	
Completion of Worksheets #12, #15 (provide to us all compound lists, RLs, and MDLs), #19, #23 (and provide to us copies of all laboratory SOPs in .pdf format), #24, #25, and #28.	N/A	7											7	7		\$ -	\$ -
<b>TOTAL COST (Estimated, not-to-exceed)</b>																	<b>\$0.00</b>

Standard 28 Calendar-day TAT

1 The actual number of blanks will vary. One equipment blank will be collected per day and one field blank will be collected per week.

3 As per the Navy Clean BOA, MS/MSDs are not billable. The field team will provide triple volume for one in 20 samples.

Authorized by: Mark Ross

Any Subcontract Laboratories: None

Date: 8/3/2009

Any Suggested Alternate Methods: None

Laboratory: CompuChem

## Valgena Respass

---

**From:** Moreno, Pati (NFESC) [pati.moreno@navy.mil]  
**Sent:** Thursday, July 03, 2008 2:29 PM  
**To:** Valgena Respass  
**Subject:** Navy Assessment - CompuChem

Ms. Respass,

This email addresses the status of CompuChem, a Division of Liberty Analytical Corporation, located in Cary, North Carolina in the Navy Environmental Restoration (ER) Quality Assurance (QA) Program as administered by the Naval Facilities Engineering Service Center (NFESC).

NAVSEA 04XQ conducted a laboratory assessment of CompuChem, a Division of Liberty Analytical Corporation, located in Cary, North Carolina as a support service to the Naval Facilities Engineering Service Center (NFESC). The general conclusion of the assessment is that the laboratory has successfully completed the evaluation for the parameters summarized in NAVSEA 04XQ letter Ser 04XQ (LABS)/122 dated June 27, 2008; these results are applicable to the Navy ER QA Program administered by NFESC. Based on the outcome of the assessment, a re-evaluation of your laboratory under the Navy ER QA Program will be due not later than October 5, 2009.

The outcome of this assessment does not guarantee the delivery of any analytical samples, and is facility specific (i.e. is not applicable to an affiliated or subcontract laboratory). The Navy reserves the right to conduct additional laboratory assessments. The outcome of the assessment may result in the addition or removal of parameters listed in the original scope of review, or reclassification from successful to unsuccessful.

Please contact me if there are parameters not presented on the table in the aforementioned NAVSEA letter that the laboratory expects to run on a routine basis in support of Navy environmental restoration projects. In these circumstances the laboratory's capability to run the tests will be assessed and the table will be modified accordingly. Any other questions concerning the information provided should also be directed to me.

Sincerely,  
Pati Moreno  
NFESC ER QA Program Coordinator  
PH: (805) 982-1659 Fax: (805) 982-4304  
Email: pati.moreno@navy.mil



**DEPARTMENT OF THE NAVY**

NAVAL SEA SYSTEMS COMMAND  
1333 ISAAC HULL AVE SE  
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

5090  
Ser 04XQ (LABS)/122  
June 27, 2008

Ms. Valgena Respass  
CompuChem  
501 Madison Avenue  
Cary, North Carolina 27513

**Subj: COMPLETION LETTER REPORT, COMPUCHEM – CARY, NORTH CAROLINA**

NAVSEA Laboratory Quality and Accreditation Office (LQAO) has concluded the assessment of CompuChem located in Cary, North Carolina.

The assessment was intended as a general review of analytical capability to support remediation projects and the laboratory's ability to meet quality assurance requirements presented in the DoD Quality Systems Manual for Environmental Laboratories (Version 3, dated Jan 2006). The specific methods reviewed under the assessment are summarized in the attached table. This letter presents the outcome of our assessment documented in the following reports:

LQAO ltr 5090 Ser 04XQ(LABS)/087 of 24 April 08

LQAO ltr 5090 Ser 04XQ(LABS)/106 of 14 May 08

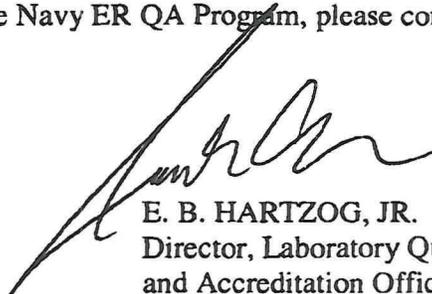
LQAO ltr 5090 Ser 04XQ(LABS)/120 of 30 June 08

- **Desk Assessment:** A review of laboratory supplied documentation was conducted. Documentation included the laboratory's quality assurance (QA) manual, selected standard operating procedures (SOPs) and SOP master list, list of major analytical instrumentation, and historical PT information. The documentation was reflective of a laboratory that was in a position to meet Navy requirements; however findings that required resolution were identified.
- **Proficiency Testing (PT) Samples:** CompuChem participates in a number of external certification and PT programs, and provided results for the past 2 years. Recurring failures were not identified in any specific analyte group. The laboratory has provided documentation that demonstrates that they have successfully completed two PT samples for all analyses within the scope of the assessment.

5090  
Ser 04XQ (LABS)/122  
June 27, 2008

- **On-site Assessment:** Existing on-site assessment documentation is available and was applied to this assessment. The State of Florida Environmental Laboratory Accreditation Program (FL ELAP) conducted an on-site assessment of the laboratory on October 2 – 5, 2007. FL ELAP is a NELAP recognized accrediting body. The State of Florida accepted the corrective actions and accredited the laboratory expiring June 30, 2008. The nature of the findings did not raise a level of concern that would require a Navy follow-up on-site assessment.
- **Corrective Actions:** The Laboratory successfully remedied all of the Navy findings associated with the desk assessment.

The laboratory has provided documentation that demonstrates their capability to support environmental restoration projects (for the tests reviewed under this assessment, and summarized in the following table), and conformance the DoD Quality Systems Manual. If you have questions concerning your standing in the Navy ER QA Program, please contact Pati Moreno at (805) 982-1659.



by direct

E. B. HARTZOG, JR.  
Director, Laboratory Quality  
and Accreditation Office

Copy To: NFESC (P. Moreno, Code 413)

**Compuchem - Methods Reviewed**  
**(including parameters and matrices)**

<b>METHOD</b>	<b>PARAMETER</b>	<b>MATRIX</b>
300 series	Anions: Chloride, Bromide, Fluoride, Sulfate, Nitrate, Nitrite, and Ortho-Phosphate	Water
9010B/9012A	Cyanide	Water/Solid
8330	Explosives by High Performance Liquid Chromatography	Water/Solid
8332	Nitroglycerin by High Performance Liquid Chromatography	Water/Solid
8151A	Herbicides	Water/Solid
9071A/413.1	Oil and Grease	Solid/Water
1664A	HEM Oil & Grease	Water
8081A	Organochlorine Pesticides	Water/Solid
9065/9066	Phenolics	Water
RSK SOP 175	Methane, Ethane, and Ethene	Water
418.1	Total Petroleum Hydrocarbons	Water
8082	Polychlorinated Biphenyls	Solid/Water
8310	Polynuclear Aromatic Hydrocarbons	Water/Solid
8270C	Semivolatile Organics	Water/Solid
3005A/6010B/ 6020/ 7000A	TAL Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Titanium, Vanadium, and Zinc	Water/Solid
9060M/9060	Total Organic Carbon	Water/Solid
8015B	Gasoline Range Organics/Diesel Range Organics	Water/Solid
8260B	Volatile Organics	Water/Solid