



*STATE OF KANSAS*  
*DEPARTMENT OF HEALTH AND ENVIRONMENT*  
*CERTIFICATE*



*This is to certify that Certificate No. E-10419*

*Geochemical Testing  
2005 North Center Ave  
Somerset, PA 15501-7441*

*has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-36 for performing environmental analyses for the parameters listed on the attached form. Continuous accreditation depends on successful, ongoing participation in the program. Clients are urged to verify with this agency the laboratory's certification status for particular methods and analytes.*

*EFFECTIVE DATE: 05/01/2017*

*EXPIRATION DATE: 04/30/2018*

Handwritten signature of Susan K. Mosier in black ink.

*Secretary  
Department of Health and Environment*

Handwritten signature of Jan H. H. H. in blue ink.

*Section chief  
Environmental Laboratory Certifications*

**This certificate supersedes all previous certificates**

Geochemical Testing  
2005 North Center Ave  
Somerset, PA 15501-7441

Certificate Number: E-10419  
Effective Date: 05/01/2017  
Expiration Date: 04/30/2018  
Reciprocity: PA

The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:

**\*\*DEMANDS**

BOD {SM 5210 B}  
COD {HACH 8000}  
Total Organic Carbon {SM 5310C}

**\*\*MINERALS**

Chloride {EPA 300.0}  
Hardness {SM 2340B}  
Sulfate {EPA 300.0}

**\*\*MISCELLANEOUS**

Conductivity {EPA 120.1}  
Hydrogen Ion (pH) {SM 4500-H+ B}  
Phenolics {EPA 420.1}  
Turbidity {EPA 180.1}

**\*\*NUTRIENTS**

Ammonia {EPA 350.1}  
K Nitrogen {EPA 351.2}  
Nitrate {EPA 300.0}  
Nitrite {EPA 300.0}

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC/MS)**

{EPA 624} 1,1-Dichloroethane  
{EPA 624} 1,1-Dichloroethene  
{EPA 624} 1,1,1-Trichloroethane  
{EPA 624} 1,1,2-Trichloroethane  
{EPA 624} 1,1,2,2-Tetrachloroethane  
{EPA 624} 1,2-Dichlorobenzene  
{EPA 624} 1,2-Dichloroethane  
{EPA 624} 1,2-Dichloropropane  
{EPA 624} 1,3-Dichlorobenzene  
{EPA 624} 1,4-Dichlorobenzene  
{EPA 624} 2-Chloroethyl vinyl ether  
{EPA 624} Acrolein  
{EPA 624} Acrylonitrile  
{EPA 624} Benzene  
{EPA 624} Bromodichloromethane  
{EPA 624} Bromoform  
{EPA 624} Bromomethane (Methyl bromide)  
{EPA 624} Carbon tetrachloride  
{EPA 624} Chlorobenzene  
{EPA 624} Chloroethane  
{EPA 624} Chloroform  
{EPA 624} Chloromethane (Methyl chloride)  
{EPA 624} cis-1,3-Dichloropropene  
{EPA 624} Dibromochloromethane  
{EPA 624} Ethylbenzene  
{EPA 624} Methylene chloride (Dichloromethane)  
{EPA 624} Tetrachloroethene (Perchloroethylene)  
{EPA 624} Toluene  
{EPA 624} trans-1,2-Dichloroethene  
{EPA 624} trans-1,3-Dichloropropene  
{EPA 624} Trichloroethene (Trichloroethylene)  
{EPA 624} Trichlorofluoromethane

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

PAGE: 2

{EPA 624} Vinyl Chloride

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)**

{EPA 625} 1,2,4-Trichlorobenzene  
{EPA 625} 2-Chloronaphthalene  
{EPA 625} 2-Chlorophenol  
{EPA 625} 2-Methyl-4,6-dinitrophenol  
{EPA 625} 2-Nitrophenol  
{EPA 625} 2,2'-Oxybis(1-chloropropane)  
{EPA 625} 2,4-Dichlorophenol  
{EPA 625} 2,4-Dimethylphenol  
{EPA 625} 2,4-Dinitrophenol  
{EPA 625} 2,4-Dinitrotoluene (2,4-DNT)  
{EPA 625} 2,4,6-Trichlorophenol  
{EPA 625} 2,6-Dinitrotoluene  
{EPA 625} 3,3'-Dichlorobenzidine  
{EPA 625} 4-Bromophenyl phenyl ether  
{EPA 625} 4-Chloro-3-methylphenol  
{EPA 625} 4-Chlorophenyl phenyl ether  
{EPA 625} 4-Nitrophenol  
{EPA 625} Acenaphthene  
{EPA 625} Acenaphthylene  
{EPA 625} Anthracene  
{EPA 625} Benzidine  
{EPA 625} Benzo(a)anthracene  
{EPA 625} Benzo(a)pyrene  
{EPA 625} Benzo(b)fluoranthene  
{EPA 625} Benzo(g,h,i)perylene  
{EPA 625} Benzo(k)fluoranthene  
{EPA 625} Benzyl butyl phthalate  
{EPA 625} Bis(2-chloroethoxy)methane  
{EPA 625} Bis(2-chloroethyl)ether  
{EPA 625} Bis(2-ethylhexyl)phthalate  
{EPA 625} Chrysene  
{EPA 625} Di-n-butyl phthalate  
{EPA 625} Di-n-octyl phthalate  
{EPA 625} Dibenzo(a,h)anthracene  
{EPA 625} Diethyl phthalate  
{EPA 625} Dimethyl phthalate  
{EPA 625} Fluoranthene  
{EPA 625} Fluorene  
{EPA 625} Hexachlorobenzene  
{EPA 625} Hexachlorobutadiene  
{EPA 625} Hexachlorocyclopentadiene  
{EPA 625} Hexachloroethane  
{EPA 625} Indeno(1,2,3-cd) pyrene  
{EPA 625} Isophorone  
{EPA 625} N-Nitrosodi-n-propylamine  
{EPA 625} N-Nitrosodimethylamine  
{EPA 625} N-Nitrosodiphenylamine  
{EPA 625} Naphthalene  
{EPA 625} Nitrobenzene  
{EPA 625} Pentachlorophenol  
{EPA 625} Phenanthrene  
{EPA 625} Phenol  
{EPA 625} Pyrene

**\*\*RESIDUES**

Residue, Filterable (TDS) {SM 2540 C}  
Residue, Non Filterable (TSS) {SM 2540 D}

**\*\*SUPPLEMENTAL**

{ASTM D1067-06} Alkalinity  
{EPA 624} Dichlorodifluoromethane

{EPA 625} 1,2-Diphenylhydrazine

End of Parameter List



RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

**This certificate supersedes all previous certificates**

Geochemical Testing  
2005 North Center Ave  
Somerset, PA 15501-7441

Certificate Number: E-10419  
Effective Date: 05/01/2017  
Expiration Date: 04/30/2018  
Reciprocity: PA

The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:

**\*\*METALS**

Antimony {EPA 6020}  
Arsenic {EPA 6020}  
Barium {EPA 6010}  
Beryllium {EPA 6010}  
Cadmium {EPA 6020}  
Calcium {EPA 6010}  
Chromium {EPA 6010}  
Cobalt {EPA 6010}  
Cobalt {EPA 6020}  
Copper {EPA 6020}  
Iron {EPA 6010}  
Lead {EPA 6010}  
Lead {EPA 6020}  
Magnesium {EPA 6010}  
Mercury {EPA 7470A}  
Nickel {EPA 6020}  
Phosphorus {EPA 6010}  
Potassium {EPA 6010}  
Selenium {EPA 6020}  
Silver {EPA 6020}  
Sodium {EPA 6010}  
Thallium {EPA 6020}  
Vanadium {EPA 6010}  
Zinc {EPA 6010}

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC/MS)**

{EPA 8260} 1,1-Dichloroethane  
{EPA 8260} 1,1-Dichloroethene  
{EPA 8260} 1,1-Dichloropropene  
{EPA 8260} 1,1,1-Trichloroethane  
{EPA 8260} 1,1,1,2-Tetrachloroethane  
{EPA 8260} 1,1,2-Trichloroethane  
{EPA 8260} 1,1,2,2-Tetrachloroethane  
{EPA 8260} 1,2-Dichlorobenzene  
{EPA 8260} 1,2-Dichloroethane  
{EPA 8260} 1,2-Dichloropropane  
{EPA 8260} 1,2,3-Trichlorobenzene  
{EPA 8260} 1,2,3-Trichloropropane  
{EPA 8260} 1,2,4-Trichlorobenzene  
{EPA 8260} 1,2,4-Trimethylbenzene  
{EPA 8260} 1,3-Dichlorobenzene  
{EPA 8260} 1,3-Dichloropropane  
{EPA 8260} 1,3,5-Trimethylbenzene  
{EPA 8260} 1,4-Dichlorobenzene  
{EPA 8260} 2-Chloroethyl vinyl ether  
{EPA 8260} 2-Chlorotoluene  
{EPA 8260} 2-Hexanone  
{EPA 8260} 2,2-Dichloropropane  
{EPA 8260} 4-Chlorotoluene  
{EPA 8260} 4-Isopropyltoluene  
{EPA 8260} 4-Methyl-2-Pentanone (MIBK)  
{EPA 8260} Acetone  
{EPA 8260} Acrolein

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

- {EPA 8260} Acrylonitrile
- {EPA 8260} Benzene
- {EPA 8260} Bromobenzene
- {EPA 8260} Bromochloromethane
- {EPA 8260} Bromodichloromethane
- {EPA 8260} Bromoform
- {EPA 8260} Bromomethane (Methyl bromide)
- {EPA 8260} Carbon disulfide
- {EPA 8260} Carbon tetrachloride
- {EPA 8260} Chlorobenzene
- {EPA 8260} Chloroethane
- {EPA 8260} Chloroform
- {EPA 8260} Chloromethane (Methyl chloride)
- {EPA 8260} cis-1,2-Dichloroethylene
- {EPA 8260} cis-1,3-Dichloropropene
- {EPA 8260} Dibromochloromethane
- {EPA 8260} Dibromochloropropane (DBCP)
- {EPA 8260} Dibromomethane
- {EPA 8260} Dichlorodifluoromethane
- {EPA 8260} Dichloromethane (Methylene chloride)
- {EPA 8260} Ethylbenzene
- {EPA 8260} Ethylene dibromide (EDB, 1,2-Dibromoethane)
- {EPA 8260} Hexachlorobutadiene
- {EPA 8260} Isopropylbenzene
- {EPA 8260} meta-Xylene
- {EPA 8260} Methyl ethyl ketone
- {EPA 8260} Methyl tert-butyl ether (MTBE)
- {EPA 8260} n-Butylbenzene
- {EPA 8260} n-Propylbenzene
- {EPA 8260} Naphthalene
- {EPA 8260} ortho-Xylene
- {EPA 8260} para-Xylene
- {EPA 8260} sec-Butylbenzene
- {EPA 8260} Styrene
- {EPA 8260} tert-Butylbenzene
- {EPA 8260} Tetrachloroethene (Perchloroethylene)
- {EPA 8260} Toluene
- {EPA 8260} trans-1,2-Dichloroethylene
- {EPA 8260} trans-1,3-Dichloropropene
- {EPA 8260} Trichloroethene (Trichloroethylene)
- {EPA 8260} Trichlorofluoromethane
- {EPA 8260} Vinyl Acetate
- {EPA 8260} Vinyl chloride

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC)**

- {EPA 8081A} 4,4'-DDD
- {EPA 8081A} 4,4'-DDE
- {EPA 8081A} 4,4'-DDT
- {EPA 8081A} Aldrin
- {EPA 8081A} Chlordane (Tech)
- {EPA 8081A} Dieldrin
- {EPA 8081A} Endosulfan I
- {EPA 8081A} Endosulfan II
- {EPA 8081A} Endosulfan Sulfate
- {EPA 8081A} Endrin
- {EPA 8081A} Endrin aldehyde
- {EPA 8081A} Endrin ketone
- {EPA 8081A} Heptachlor
- {EPA 8081A} Heptachlor Epoxide
- {EPA 8081A} Methoxychlor
- {EPA 8081A} Toxaphene (Chlorinated camphene)
- {EPA 8081} alpha-BHC (alpha-Hexachlorocyclohexane)
- {EPA 8081} beta-BHC (beta-Hexachlorocyclohexane)
- {EPA 8081} delta-BHC

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

- {EPA 8081} gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
- {EPA 8081} Hexachlorobenzene
- {EPA 8082} PCB-1016
- {EPA 8082} PCB-1221
- {EPA 8082} PCB-1232
- {EPA 8082} PCB-1242
- {EPA 8082} PCB-1248
- {EPA 8082} PCB-1254
- {EPA 8082} PCB-1260
- {EPA 8141} Azinphos-methyl (Guthion)
- {EPA 8141} Bolstar (Sulprofos)
- {EPA 8141} Chlorpyrifos
- {EPA 8141} Coumaphos
- {EPA 8141} Demeton-o
- {EPA 8141} Demeton-s
- {EPA 8141} Diazinon
- {EPA 8141} Dichlorovos (DDVP, Dichlorvos)
- {EPA 8141} Disulfoton
- {EPA 8141} Ethoprop
- {EPA 8141} Fensulfothion
- {EPA 8141} Fenthion
- {EPA 8141} Merphos
- {EPA 8141} Mevinphos
- {EPA 8141} Naled
- {EPA 8141} Parathion-methyl
- {EPA 8141} Phorate
- {EPA 8141} Ronnel
- {EPA 8141} Stirophos
- {EPA 8141} Tokuthion
- {EPA 8141} Trichloronate
- {EPA 8151} 2,4-D
- {EPA 8151} 2,4-DB
- {EPA 8151} 2,4,5-T
- {EPA 8151} 2,4,5-TP (Silvex)
- {EPA 8151} Dalapon
- {EPA 8151} Dicamba
- {EPA 8151} Dichlorprop
- {EPA 8151} Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)
- {EPA 8151} MCPA
- {EPA 8151} MCPP

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)**

- {EPA 8270} 1,2,4-Trichlorobenzene
- {EPA 8270} 1,2,4,5-Tetrachlorobenzene
- {EPA 8270} 2-Chloronaphthalene
- {EPA 8270} 3-Methylcholanthrene
- {EPA 8270} Acenaphthene
- {EPA 8270} Acenaphthylene
- {EPA 8270} Anthracene
- {EPA 8270} Benzo(a)anthracene
- {EPA 8270} Benzo(a)pyrene
- {EPA 8270} Benzo(b)fluoranthene
- {EPA 8270} Benzo(g,h,i)perylene
- {EPA 8270} Benzo(k)fluoranthene
- {EPA 8270} Chrysene
- {EPA 8270} Dibenzo(a,e)pyrene
- {EPA 8270} Dibenzo(a,h)anthracene
- {EPA 8270} Dibenz(a,j)acridine
- {EPA 8270} Fluoranthene
- {EPA 8270} Fluorene
- {EPA 8270} Hexachlorocyclopentadiene
- {EPA 8270} Hexachloroethane
- {EPA 8270} Indeno(1,2,3-cd) pyrene
- {EPA 8270} Nitrobenzene

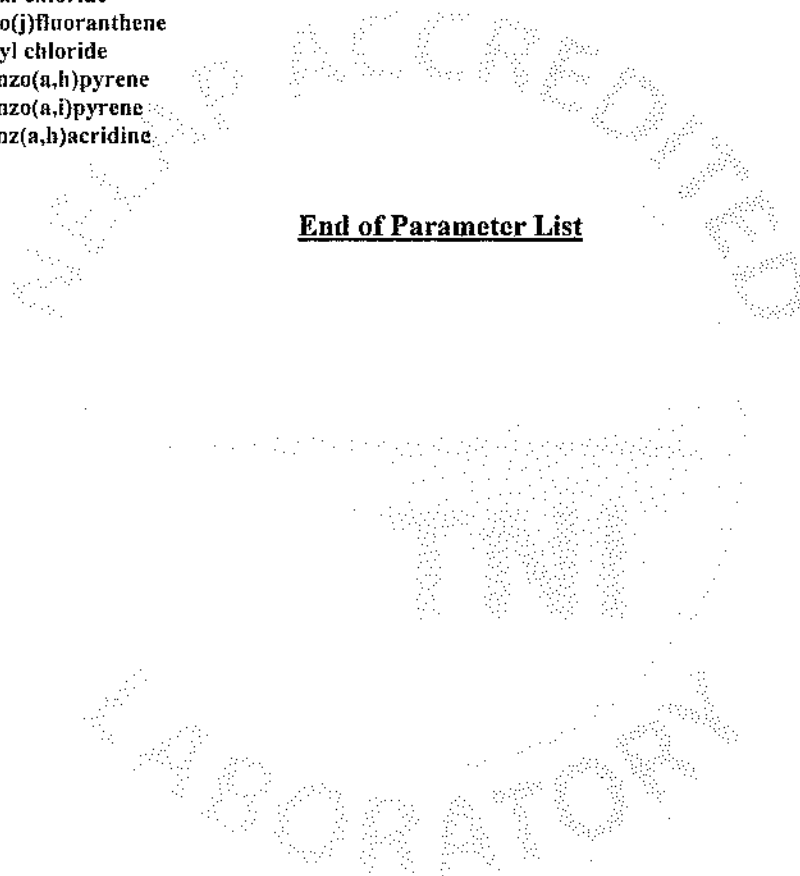
RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8270} Pentachlorobenzene  
{EPA 8270} Phenanthrene  
{EPA 8270} Phenol  
{EPA 8270} Pyrene

**\*\*SUPPLEMENTAL**

{EPA 8260B} Benzotrichloride  
{EPA 8260B} Bromoethane (Ethyl Bromide)  
{EPA 8260} 1,1,2-Trichloro-1,2,2-trifluoroethane  
{EPA 8260} 1,2,3-Trimethylbenzene  
{EPA 8260} Di-isopropylether (DIPE)  
{EPA 8270} 1,2,3,4-Tetrachlorobenzene  
{EPA 8270} 1,2,3,5-Tetrachlorobenzene  
{EPA 8270} 7H-Dibenzo(c,g)carbazole  
{EPA 8270} Benzal chloride  
{EPA 8270} Benzo(j)fluoranthene  
{EPA 8270} Benzyl chloride  
{EPA 8270} Dibenzo(a,h)pyrene  
{EPA 8270} Dibenzo(a,i)pyrene  
{EPA 8270} Dibenz(a,h)acridine

**End of Parameter List**







June 16, 2017

E-10419  
David M. Glessner  
Geochemical Testing  
2005 North Center Ave  
Somerset, PA 15501-7441

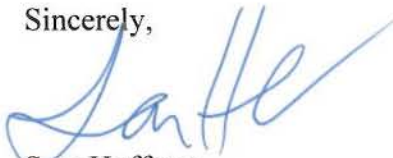
Dear David M. Glessner:

Enclosed please find your NELAP certificate of accreditation. Also, note the effective and expiration dates of your new accreditation and be sure to review the parameters listed. It is possible your laboratory applied for parameters not listed on the enclosed accreditation. Those parameters have been denied. If there are any questions concerning the parameters listed, contact the ELIPO office at (785) 296-3811.

It is essential the laboratory accreditation officer be notified within 30 days of any changes in laboratory director, methods which involve a change in technology, change in ownership, or change in location.

Information for re-accreditation will be emailed approximately five (5) months prior to the expiration date of your current accreditation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sara Hoffman".

Sara Hoffman  
Section Chief  
Environmental Laboratory Certifications  
Enclosure/s