Laboratory Rate Sheet

and

NELAP Accreditation Status

VAEL Laboratory

Located at:
University of Vermont
Hills Building
105 Carrigan Drive
Burlington, VT 05405

T. Guy Roberts, Lab Director 802-522-3502
guy.roberts@vermont.gov

ORGANICS

Test	Cost Per Test
TO11 – Carbonyls in Air by HPLC	120
TO15 – Volatiles in Air Using GC/MS	480

METALS

Test	Cost Per Test
Acid Rain Metals (Al, Ca, K, Mg, Na, Calculated Total Hardness)	24
Metals, All (Ag, Al, As Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Tl, U, V, Zn and Total Calculated Hardness)	140
Metals, All – Dissolved (Ag, Al, As Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Tl, U, V, Zn and Total Calculated Hardness)	140
Metals, Earth (Na, Ca, Mg, K, Al, Fe, Mn, Total Calculated Hardness)	32
Metals, Earth Dissolved (Na, Ca, Mg, K, Al, Fe, Mn, Total Calculated Hardness)	32
Metals, Priority (As, Ba, Cd, Cr, Cu, Fe, Mn, Na, Ni, Pb Zn)	88
Metals, Priority Dissolved (As, Ba, Cd, Cr, Cu, Fe, Mn, Na, Ni, Pb Zn)	88
Mercury – Water	24
Mercury – Water Dissolved	24
Mercury – Soil or Fish	96
Metals – Aluminum	16
Metals – Aluminum, Dissolved	16
Metals in Air – (no Mercury)	176

AUTOMATED WET CHEMISTRY

Test	Cost Per Test
Ammonia	20
Chloride	10
Dissolved Silica	10
IC-Chloride	10
IC-Nitrate	10
IC –Sulfate	10
IC-Nitrite	10
IC-Fluoride	10
Phosphorus, Ortho	16
Nitrate + Nitrite	20
Phosphorus, Total or Dissolved	16
Total Nitrogen	20

WET LAB

Test	Cost Per Test
Alkalinity	20
Chlorophyll-A	24
D.O. – Iodometric	12
pH	6
pH in Soil	6
Conductivity	10
Color – Total & Dissolved, Spect.	10
COD	14
BOD Total Carb – 5 Day	62
BOD – 5 Day	62
Turbidity	10
Solids, Percent	10
Solids, Total Suspended	20
Solids, Total Volatile	20
Total Kjeldahl Nitrogen	32
Pet Food (Protein, Fat, Fiber Moisture)	59
Pet Food (Protein, Fat, Fiber, Moisture, Ash)	64

NEW HAMPSHIRE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

29 Hazen Drive, PO Box 95, Concord, NH 03302 (603) 271-2998

PRIMARY ACCREDITATION PARAMETER LIST
ANALYTE LIST NUMBER: 300216-A

VERMONT AGRICULTURE ENVIRONMENTAL LABORATORY
UVM HILLS SCIENCE BLDG 105

BURLINGTON VT 05405
(802) 585-9680
Lab ID: 3002

NELAP RECOGNIZED

Analyte Code	Analyte Name	Effective Date	Expiration Date	Matrix	Category	Accr. Type
Method Code: 20211409	**Method Ref.: SM 9223 B (COLILERT QUANTI-TRAY)**	**Revision: 21st ED**		**Date: 2005**		
2500	TOTAL COLIFORMS	09/18/2008	09/17/2017	N	MIC	NE
2525	ESCHERICHIA COLI	01/10/2008	09/17/2017	N	MIC	NE
Method Code: 10036609	**Method Ref.: EPA 245.1**	**Revision: 3**		**Date: 1994**		
1095	MERCURY, TOTAL	09/28/2015	09/17/2017	N	MET	NE
Method Code: 10156419	**Method Ref.: SW-846 6020A**	**Revision:**		**Date: 2007**		
1000	ALUMINUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1005	ANTIMONY, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1010	ARSENIC, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1015	BARIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1020	BERYLLIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1030	CADMIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1035	CALCIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1040	CHROMIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1050	COBALT, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1055	COPPER, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1070	IRON, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1075	LEAD, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1085	MAGNESIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1090	MANGANESE, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1100	MOLYBDENUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1105	NICKEL, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1125	POTASSIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1140	SELENIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1150	SILVER, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1155	SODIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1160	STRONTIUM,TOTAL	09/29/2015	09/17/2017	N	MET	NE
1165	THALLIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1185	VANADIUM, TOTAL	09/29/2015	09/17/2017	N	MET	NE
1190	ZINC, TOTAL	09/29/2015	09/17/2017	N	MET	NE
Method Code: 10053200	**Method Ref.: EPA 300.0**	**Revision: 2.1**		**Date: 1993**		
1575	CHLORIDE	12/22/2010	09/17/2017	N	NMI	NE

This analyte list supersedes all previously issued analyte lists. Method accreditation does not imply acceptance for NHDES compliance testing. Customers may verify the laboratory's current accreditation status by calling at (603) 271-2998. Laboratory is required to use EPA approved/accepted methods where required by regulation.

NEW HAMPSHIRE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

29 Hazen Drive, PO Box 95, Concord, NH 03302 (603) 271-2998

PRIMARY ACCREDITATION PARAMETER LIST
ANALYTE LIST NUMBER: 300216-A

VERMONT AGRICULTURE ENVIRONMENTAL LABORATORY
UVM HILLS SCIENCE BLDG 105

BURLINGTON VT 05405
(802) 585-9680
Lab ID: 3002

NELAP RECOGNIZED

Analyte Code	Analyte Name	Effective Date	Expiration Date	Matrix	Category	Accr. Type
1810	NITRATE AS N	01/10/2008	09/17/2017	N	NMI	NE
1840	NITRITE AS N	01/10/2008	09/17/2017	N	NMI	NE
2000	SULFATE	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 20042608	**Method Ref.: SM 2130 B**	**Revision: 21st ED**		**Date: 2005**		
2055	TURBIDITY	09/18/2011	09/17/2017	N	NMI	NE
Method Code: 20045403	**Method Ref.: SM 2320 B**	**Revision: 21st ED**		**Date: 1997**		
1505	ALKALINITY	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 20048402	**Method Ref.: SM 2510 B**	**Revision: 21st ED**		**Date: 1997**		
1610	CONDUCTIVITY	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 20051007	**Method Ref.: SM 2540 D**	**Revision: 21st ED**		**Date: 1997**		
1960	RESIDUE, NON-FILTERABLE (TSS)	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 20081407	**Method Ref.: SM 4500-CL G**	**Revision: 21st ED**		**Date: 2000**		
1575	CHLORIDE	09/18/2008	09/17/2017	N	NMI	NE
Method Code: 20105004	**Method Ref.: SM 4500-H+ B**	**Revision: 21st ED**		**Date: 2000**		
1900	HYDROGEN ION (PH)	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 20112009	**Method Ref.: SM 4500-NH3 H**	**Revision: 21st ED**		**Date: 2005**		
1515	AMMONIA	09/18/2008	09/17/2017	N	NMI	NE
Method Code: 20118552	**Method Ref.: SM 4500-NO3 I**	**Revision: 21ST ED**		**Date: 2005**		
1820	NITRATE-NITRITE AS N	12/11/2015	09/17/2017	N	NMI	NE
Method Code: 20120609	**Method Ref.: SM 4500-O C**	**Revision: 21st ED**		**Date: 2005**		
1880	OXYGEN, DISSOLVED	09/18/2008	09/17/2017	N	NMI	NE
Method Code: 20125159	**Method Ref.: SM 4500 P H**	**Revision: 21ST ED**		**Date: 2005**		
1910	PHOSPHORUS, TOTAL	09/18/2008	09/17/2017	N	NMI	NE
Method Code: 20129855	**Method Ref.: SM 4500 SIO2 F**	**Revision: 21ST ED**		**Date: 2005**		
1995	SILICA, DISSOLVED	06/29/2010	09/17/2017	N	NMI	NE
Method Code: 20135006	**Method Ref.: SM 5210 B**	**Revision: 21st ED**		**Date: 2001**		
1530	BIOLOGICAL OXYGEN DEMAND (BOD)	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 60003001	**Method Ref.: HACH 8000**	**Revision: 4TH ED**		**Date:**		
1565	COD	01/10/2008	09/17/2017	N	NMI	NE
Method Code: 60003818	**Method Ref.: HACH 8167**	**Revision: 4TH ED**		**Date:**		
1940	CHLORINE, RESIDUAL TOTAL	01/10/2008	09/17/2017	N	NMI	NE
Method Code: NH0124	**Method Ref.: SM 4500-N C MODIFIED**	**Revision: 21ST ED**		**Date: 2005**		
1827	NITROGEN, TOTAL	03/15/2010	09/17/2017	N	NMI	NE

This analyte list supersedes all previously issued analyte lists. Method accreditation does not imply acceptance for NHDES compliance testing. Customers may verify the laboratory's current accreditation status by calling at (603) 271-2998. Laboratory is required to use EPA approved/accepted methods where required by regulation.

NEW HAMPSHIRE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

29 Hazen Drive, PO Box 95, Concord, NH 03302 (603) 271-2998

PRIMARY ACCREDITATION PARAMETER LIST
ANALYTE LIST NUMBER: 300216-A

VERMONT AGRICULTURE ENVIRONMENTAL LABORATORY
UVM HILLS SCIENCE BLDG 105

BURLINGTON VT 05405
(802) 585-9680
Lab ID: 3002

NELAP RECOGNIZED

Analyte Code	Analyte Name	Effective Date	Expiration Date	Matrix	Category	Accr. Type
Method Code: 10133207	**Method Ref.: SW-846 3005A**	**Revision: 1**		**Date: 1992**		
1438	PRECONCENTRATION UNDER ACID	09/29/2015	09/17/2017	N	PRE	NE
Method Code: 10134404	**Method Ref.: SW-846 3020A**	**Revision: 1**		**Date: 1992**		
1422	HOT PLATE ACID DIGESTION (HNO3 ONLY)	09/29/2015	09/17/2017	N	PRE	NE
Method Code: 10156419	**Method Ref.: SW-846 6020A**	**Revision:**		**Date: 2007**		
1184	URANIUM (MASS)	09/29/2015	09/17/2017	N	RAD	NE

VERMONT A 09/22/2016

Bill Hall
NH ELAP Program Manager
Issue Date: 09/22/2016

Matrix Legend: D=Drinking Water; N=Non-Potable Water; SC=Solid and Chemical Materials

Category Legend: MIC=Microbiology; MET=Metals; NMI=Non-Metal Inorganics; PRE=Preparation; VOC=Volatile Organic Compounds; SBN=SVOC-BNA; SHE=SVOC-Herbicides; SNO=SVOC-NOS; SPC=SVOC-PCB; SPE=SVOC-Pesticides; RAD=Radiochemistry; WET=Wet

Accreditation Legend: NE=NELAP; NH=NH State Certification; CE=State Certification; IN=Interim (NELAP); WI=Withdrawn; AP=Applied; RE=Revoked; SU=Suspended

This analyte list supersedes all previously issued analyte lists. Method accreditation does not imply acceptance for NHDES compliance testing. Customers may verify the laboratory's current accreditation status by calling at (603) 271-2998. Laboratory is required to use EPA approved/accepted methods where required by regulation.