

## **ETI Statement of Qualifications**

### **Introduction**

Environmental Testing, Inc. (ETI) is a full service environmental laboratory that is locally owned and operated. ETI was incorporated in April 2000 and officially opened for business in August of that same year. ETI maintains primary NELAP accreditation through the Louisiana Department of Environmental Quality and has secondary accreditation in other states. ETI is also certified by the Oklahoma Department of Environmental Quality as ODEQ as State Lab 7211. ETI strives to quickly provide accurate data and reliable service to our clients.

ETI's staff has extensive experience in the environmental field. The president and founder of ETI has over 22 years experience as both an analyst and laboratory manager. ETI's chemists all hold science degrees and most have several years of experience already behind them. This high level of experience and education allows ETI to consistently provide accurate answers to our client's environmental questions.

ETI's laboratory is equipped with state-of-the-art analytical equipment and our analysis strategy incorporates a top-notch quality control/quality assurance program to ensure both timely and accurate results. ETI also utilizes a computerized Laboratory Information Management System (LIMS) to track all sample information from the time of sample check-in to report generation. This ensures that all sample information is readily available to the analyst and that all pertinent quality control information is collected to make sure individual results and the final report are accurate. In addition, the LIMS system allows us to prepare and generate electronic versions of our reports.

ETI strives to provide turnkey laboratory services. We provide all sample containers and preservatives required for your project. We maintain a fulltime field staff that is available for sample pick-up Monday through Friday. Our office is also open 8:00 AM to 5:00 PM Monday through Friday for sample drop-off. Our standard pricing structure reflects a five working day turn-around-time. However, custom packages are available to accommodate special project requirements. Most analyses can be completed within 24 hours and arrangements can be made for weekend or after hours sample drop-off. We also accept shipments Monday through Friday from UPS, Federal Express, and DHL.

### **Contact Information**

We are located at 4619 N. Santa Fe, Oklahoma City, OK 73118. Our office phone is (405) 488-2400 and fax is (405) 488-2404. We can also be reached by email at [rbritten@eti-lab.com](mailto:rbritten@eti-lab.com) or [bmosley@eti-lab.com](mailto:bmosley@eti-lab.com).

**Quality Policy**

The objective of the quality system and the commitment of management is to consistently provide our customers with data of known and documented quality that meets their requirements. Our policy is to use good professional practices, to maintain quality, to uphold the highest quality of service, and to comply with the NELAC Standard. ETI ensures that personnel are free from any commercial, financial, and other undue pressures, which might adversely affect the quality of work. This policy is implemented and enforced through the unequivocal commitment of management, at all levels, to the ETI Quality Assurance (QA) principles and practices. However, the primary responsibility for quality rests with each individual within the laboratory organization. Every laboratory employee must ensure that the generation and reporting of quality analytical data is a fundamental priority. Every laboratory employee is required to familiarize themselves with the quality documentation and to implement the policies and procedures in their work. All employees are trained annually on ethical principles and procedures surrounding the data that is generated. ETI maintains a strict policy of client confidentiality.

**Client Data Quality Objectives**

In order to provide you with the highest quality analytical package, it is essential that we understand your needs as a client. These requirements may include:

- Reporting limits for your project
- Turn-around time needed
- Special reporting requirements (e.g. electronic format, with detection limits, etc.)
- Special retention requirements for left over sample material
- Other requirements (e.g. special or specific methodology)

We will attempt to collect required Data Quality Objective (DQO) information from you in a variety of ways. The primary source of DQO information is the Chain-of-Custody (COC) form. This document must be filled out for all samples received by our laboratory. It contains information regarding how, where, when, and by whom the samples were collected. It also lists the analyses required for the samples.

Once we receive a completed COC, it will be reviewed prior to sample acceptance to ensure that we have all the necessary DQO information and that we can provide the services requested. Any problems will be discussed and changes will be noted on the COC. Additionally, the sample receipt temperature will be checked and recorded on the COC.

Please remember that we will attempt to accurately assess your DQO requirements at the time of sample receipt. However, it is ultimately your responsibility to provide us with your DQOs and ensure that they are reflected on the COC.

Our COC form will be provided by mail or fax upon request or may be downloaded from our website at [www.eti-lab.com](http://www.eti-lab.com). It can also be picked up at our office.

**Meeting Your Data Quality Objectives**

After we agree on your DQOs, we go to work on meeting or exceeding your expectations. We accomplish this by maintaining:

- A highly qualified staff
- A top-notch laboratory facility
- An excellent Quality Assurance/Quality Control program
- An emphasis on customer service

**Staff**

ETI maintains a highly qualified staff to ensure you receive excellent service and high quality analytical data. Our management team has over 40 years of combined experience in the environmental laboratory industry. All members of management started their careers as analysts. As a result, they understand what it takes to produce high quality data. This experience also allows them to respond to the wide variety of questions you may have.

Our analytical staff members all hold at least Bachelor of Science degrees and are highly qualified analysts.

**Company Organization and Key Job Descriptions**

ETI is a privately owned and operated company with strong Oklahoma ties. It was incorporated in April 2000.

The President/CEO is responsible for all laboratory operations and has the final say on all laboratory issues. However, all employees are charged with the responsibility to understand and adhere to the Quality Assurance Plan. Each analyst has both the authority and responsibility to accept or reject data based on established quality control (QC) criteria. Data that falls outside of the QC criteria will either be reported with appropriate data qualifiers or reanalyzed based on the client DQOs.

The Quality Assurance / Quality Control (QA/QC) program is overseen by management. All sample information including both analytical results and QC data are entered into our Laboratory Information Management System (LIMS). QC reports are generated from this system for each order and are included in each report. QC data required for each analysis has been predefined in the LIMS system. QC data must be entered before analytical data can be entered. This system ensures that QC cannot be bypassed by the analyst. Minimum QC requirements for each parameter are located in the QC section of this Plan.

QC charts are constructed from data entered into the LIMS system to establish in-house QC limits. Each analyst is responsible for comparing generated data with the established limits at the time of data entry. In addition, established warning and control limits are entered into the LIMS system which in turn will alert the analyst of any excursions from the established limits. A second stage of data review is conducted by members of management as final reports are printed before actual release to our clients.

### Facilities

Our laboratory headquarters is conveniently located just South of the I-235/I-44 interchange in Oklahoma City, Oklahoma. Our mailing and shipping address is 4619 N. Santa Fe, Oklahoma City, Oklahoma, 73118. Phone and fax numbers are (405) 488-2400 and (405) 488-2404 respectively.

ETI has an office in Dallas to better serve our Texas clientele located at 1855 Wall Street, Suite B; Garland, TX 75041. The phone for the Dallas office is (469) 298-0874.

### Sample Check-In

The Sample Check-In department handles initial sample processing operations. All samples and paperwork start here where they are evaluated for suitability and completeness

for the required analysis. Any discrepancies are noted and discussed with the client. Once all the information is collected, each sample is assigned a unique number and logged into the LIMS system. Samples are then moved to one of the several sample storage areas we maintain based on the analysis required.

### Metals Analysis

The metals department is equipped with a Varian VISTA-720-ES ICP and a CETAC M-M-7500 Mercury Analyzer.

The following parameters are analyzed by this department:

<u>Parameter</u>	<u>Method</u>	<u>Parameter</u>	<u>Method</u>
Aluminum	200.7	TCLP Zinc	200.7
Aluminum (dissolved)	200.7	Thallium	200.7
Antimony	200.7	Tin	200.7
Arsenic	200.7	Titanium	200.7
Arsenic (dissolved)	200.7	Vanadium	200.7
Barium	200.7	Zinc	200.7
Barium (dissolved)	200.7	Zinc (dissolved)	200.7
Beryllium	200.7	Mercury	245.1
Cadmium	200.7	Mercury (dissolved)	245.1
Cadmium (dissolved)	200.7	SPLP Mercury	245.1
Calcium	200.7	TCLP Mercury	245.1
Calcium (dissolved)	200.7	Aluminum	6010
Chromium	200.7	Antimony	6010
Chromium (dissolved)	200.7	Arsenic	6010
Cobalt	200.7	Barium	6010

Copper	200.7	Beryllium	6010
Iron	200.7	Cadmium	6010
<u>Parameter</u>	<u>Method</u>	<u>Parameter</u>	<u>Method</u>
Iron (dissolved)	200.7	Calcium	6010
Lead	200.7	Chromium	6010
Lead (dissolved)	200.7	Cobalt	6010
Magnesium	200.7	Copper	6010
Magnesium (dissolved)	200.7	Indium	6010
Manganese	200.7	Iron	6010
Manganese (dissolved)	200.7	Lead	6010
Molybdenum	200.7	Magnesium	6010
Nickel	200.7	Manganese	6010
Potassium	200.7	Molybdenum	6010
Selenium	200.7	Nickel	6010
Selenium (dissolved)	200.7	Potassium	6010
Silicon	200.7	Selenium	6010
Silver	200.7	Silicon	6010
Silver (dissolved)	200.7	Silver	6010
Sodium	200.7	Sodium	6010
SPLP Arsenic	200.7	Strontium	6010
SPLP Barium	200.7	Thallium	6010
SPLP Cadmium	200.7	Tin	6010
SPLP Chromium	200.7	Titanium	6010
SPLP Lead	200.7	Vanadium	6010
SPLP Selenium	200.7	Zinc	6010
SPLP Silver	200.7	Hardness, noncarbonate	2320B
TCLP Antimony	200.7	Hardness, Ca	2340B
TCLP Arsenic	200.7	Hardness, Ca	2340B
TCLP Barium	200.7	Hardness, Total	2340B
TCLP Beryllium	200.7	Hardness, Total	2340B
TCLP Cadmium	200.7	Cation - Anion Balance	4500-CO2
TCLP Chromium	200.7	Mercury	7471A
TCLP Copper	200.7	CEC	AgHandbk60
TCLP Lead	200.7	EKP	AgHandbk60
TCLP Nickel	200.7	EPP	AgHandbk60
TCLP Selenium	200.7	ESP	AgHandbk60
TCLP Silver	200.7	PAR	AgHandbk60

TCLP Thallium	200.7	SAR	AgHandbk60
TCLP Vanadium	200.7	SAR	AgHandbk60

### Organics Analysis

The Organics department is equipped with 2 Agilent 5971 Mass Spectrometers, 2 Varian Ion-Trap Mass Spectrometers, 2 HP 5890 GCs with FID detectors, 1 Agilent 6890 GC with dual FID detectors, 1 Agilent 6890 with PID/FID detector, 1 Varian 3800 GC with Dual ECD detectors, 2 Tracor GCs with ECD Detectors, 2 HP 5890 GCs with PID/FID detectors, and 1 Varian 450-GC with PID/FID detectors.

This department offers analysis for the following parameters:

<u>Parameter</u>	<u>Method</u>	<u>Parameter</u>	<u>Method</u>
1,1,1-Trichloroethane	601	Endosulfan II	8081B
1,1,2,2-Tetrachloroethane	601	Endosulfan Sulfate	8081B
1,1,2-Trichloroethane	601	Endrin	8081B
1,1-Dichloroethane	601	Endrin Aldehyde	8081B
1,1-Dichloroethene	601	Gamma-BHC	8081B
1,2-Dichlorobenzene	601	Heptachlor	8081B
1,2-Dichloroethane	601	Heptachlor Epoxide	8081B
1,2-Dichloropropane	601	TCLP-Endrin	8081B
1,3-Dichlorobenzene	601	PCB-1016	8082A
1,4-Dichlorobenzene	601	PCB-1221	8082A
2-Chloroethyl vinyl ether	601	PCB-1232	8082A
Bromodichloromethane	601	PCB-1242	8082A
Bromoform	601	PCB-1248	8082A
Bromomethane	601	PCB-1254	8082A
Carbon tetrachloride	601	PCB-1260	8082A
Chlorobenzene	601	TCLP-2,4,5-TP	8082A
Chloroethane	601	TCLP-2,4-D	8082A
Chloroform	601	TCLP-Heptachlor	8082A
Chloromethane	601	TCLP-Heptachlor Epoxide	8082A
cis-1,3-Dichloropropene	601	TCLP-Lindane	8082A
Dibromochloromethane	601	1,1,1,2-Tetrachloroethane	8260B
Dichlorodifluoromethane	601	1,1,1-Trichloroethane	8260B
Methylene chloride	601	1,1,2,2-Tetrachloroethane	8260B
Tetrachloroethene	601	1,1,2-Trichloroethane	8260B

trans-1,2-Dichloroethene	601	1,1-Dichloroethane	8260B
trans-1,3-Dichloropropene	601	1,1-Dichloroethene	8260B
Trichloroethene	601	1,1-Dichloropropene	8260B
Trichlorofluoromethane	601	1,2,3-Trichlorobenzene	8260B
Vinyl chloride	601	1,2,3-Trichloropropane	8260B
4,4'-DDE	608	1,2,4-Trichlorobenzene	8260B
4,4'-DDT	608	1,2,4-Trimethylbenzene	8260B
Aldrin	608	1,2-Dibromo-3-chloropropane	8260B
Alpha-BHC	608	1,2-Dibromoethane	8260B
Beta-BHC	608	1,2-Dichlorobenzene	8260B
Delta-BHC	608	1,2-Dichloroethane	8260B
Dieldrin	608	1,2-Dichloropropane	8260B
Endosulfan I	608	1,3,5-Trimethylbenzene	8260B
Endosulfan II	608	1,3-Dichlorobenzene	8260B
Endosulfan Sulfate	608	1,3-Dichloropropane	8260B
Endrin	608	1,4-Dichlorobenzene	8260B
Endrin Aldehyde	608	2,2-Dichloropropane	8260B
Gamma-BHC	608	2-Butanone (MEK)	8260B
Heptachlor	608	2-Chloroethyl vinyl ether	8260B
Heptachlor Epoxide	608	2-Chlorotoluene	8260B
PCB-1016	608	2-Hexanone	8260B
PCB-1221	608	4-Chlorotoluene	8260B
PCB-1232	608	4-Isopropyltoluene	8260B
PCB-1242	608	4-Methyl-2-pentanone (MIBK)	8260B
PCB-1248	608	Acetone	8260B
PCB-1254	608	Acrolein	8260B
PCB-1260	608	Acrylonitrile	8260B
1,1,1-Trichloroethane	624	Benzene	8260B
1,1,2,2-Tetrachloroethane	624	Bromobenzene	8260B
1,1,2-Trichloroethane	624	Bromochloromethane	8260B
1,1-Dichloroethane	624	Bromodichloromethane	8260B
1,1-Dichloroethene	624	Bromoform	8260B
1,2-Dichlorobenzene	624	Bromomethane	8260B
1,2-Dichloroethane	624	Carbon disulfide	8260B
1,2-Dichloropropane	624	Carbon tetrachloride	8260B
1,3-Dichlorobenzene	624	Chlorobenzene	8260B

1,3-Dichloropropene (cis & trans)	624	Chloroethane	8260B
1,4-Dichlorobenzene	624	Chloroform	8260B
2-Chloroethyl vinyl ether	624	Chloromethane	8260B
Acetone	624	cis-1,2-Dichloroethene	8260B
Acrolein	624	cis-1,3-Dichloropropene	8260B
Acrylonitrile	624	Dibromochloromethane	8260B
Benzene	624	Dibromomethane	8260B
Bis(chloroethyl) Ether	624	Dichlorodifluoromethane	8260B
Bromodichloromethane	624	Ethylbenzene	8260B
Bromoform	624	Hexachlorobutadiene	8260B
Bromomethane	624	Iodomethane	8260B
Carbon tetrachloride	624	Isopropylbenzene	8260B
Chlorobenzene	624	m&p-Xylene	8260B
Chloroethane	624	Methylene chloride	8260B
Chloroform	624	Naphthalene	8260B
Chloromethane	624	n-Butylbenzene	8260B
cis-1,2-Dichloroethene	624	n-Propylbenzene	8260B
cis-1,3-Dichloropropene	624	o-Xylene	8260B
Dibromochloromethane	624	sec-Butylbenzene	8260B
Dichlorodifluoromethane	624	Styrene	8260B
Ethylbenzene	624	TCLP 1,1-Dichloroethene	8260B
Methylene chloride	624	TCLP 1,2-Dichloroethane	8260B
Styrene	624	TCLP 2-Butanone (MEK)	8260B
Tetrachloroethene	624	TCLP Benzene	8260B
Toluene	624	TCLP Carbon tetrachloride	8260B
trans-1,2-Dichloroethene	624	TCLP Chlorobenzene	8260B
trans-1,3-Dichloropropene	624	TCLP Chloroform	8260B
Trichloroethene	624	TCLP Tetrachloroethene	8260B
Trichlorofluoromethane	624	TCLP Trichloroethene	8260B
Vinyl chloride	624	TCLP Vinyl Chloride	8260B
1,2,4-Trichlorobenzene	625	tert-Butylbenzene	8260B
1,2-Dichlorobenzene	625	Tetrachloroethene	8260B
1,2-Diphenylhydrazine	625	Toluene	8260B
1,3-Dichlorobenzene	625	trans-1,2-Dichloroethene	8260B
1,4-Dichlorobenzene	625	trans-1,3-Dichloropropene	8260B
2,3-Dichloroaniline	625	trans-1,4-Dichloro-2-butene	8260B

2,4,6-Trichlorophenol	625	Trichloroethene	8260B
2,4-Dichlorophenol	625	Trichlorofluoromethane	8260B
2,4-Dimethylphenol	625	Vinyl acetate	8260B
2,4-Dinitrophenol	625	Vinyl chloride	8260B
2,4-Dinitrotoluene	625	1,2,4-Trichlorobenzene	8270D
2,6-Dinitrotoluene	625	1,2-Dichlorobenzene	8270D
2-Chloronaphthalene	625	1,2-Diphenylhydrazine	8270D
2-Chlorophenol	625	1,3-Dichlorobenzene	8270D
2-Methyl-4,6-dinitrophenol	625	1,4-Dichlorobenzene	8270D
2-Methylphenol	625	2,4,5-Trichlorophenol	8270D
2-Nitrophenol	625	2,4,6-Trichlorophenol	8270D
3,3'-Dichlorobenzidine	625	2,4-Dichlorophenol	8270D
4-Bromophenyl phenyl ether	625	2,4-Dimethylphenol	8270D
4-Chloro-3-methylphenol	625	2,4-Dinitrophenol	8270D
4-Chlorophenyl phenyl ether	625	2,4-Dinitrotoluene	8270D
4-Methylphenol	625	2,6-Dinitrotoluene	8270D
4-Nitrophenol	625	2-Chloronaphthalene	8270D
Acenaphthene	625	2-Chlorophenol	8270D
Acenaphthylene	625	2-Methylphenol	8270D
Anthracene	625	2-Nitrophenol	8270D
a-Terpineol	625	3,3'-Dichlorobenzidine	8270D
Benzidine	625	4,6-Dinitro-o-cresol	8270D
Benzo(a)anthracene	625	4-Bromophenyl phenyl ether	8270D
Benzo(a)pyrene	625	4-Chlorophenyl phenyl ether	8270D
Benzo(b)fluoranthene	625	4-Methylphenol	8270D
Benzo(g,h,i)perylene	625	4-Nitrophenol	8270D
Benzo(k)fluoranthene	625	Acenaphthene	8270D
Benzoic acid	625	Acenaphthylene	8270D
Benzyl alcohol	625	Anthracene	8270D
bis(2-Chloroethoxy)methane	625	Benzidine	8270D
bis(2-Chloroethyl)ether	625	Benzo(a)anthracene	8270D
bis(2-Chloroisopropyl)ether	625	Benzo(a)pyrene	8270D
bis(2-Ethylhexyl)phthalate	625	Benzo(b)fluoranthene	8270D
Butylbenzylphthalate	625	Benzo(g,h,i)perylene	8270D
Carbazole	625	Benzo(k)fluoranthene	8270D
Chrysene	625	bis(2-Chloroethoxy)methane	8270D

Dibenz(a,h)anthracene	625	bis(2-Chloroethyl)ether	8270D
Diethylphthalate	625	bis(2-Chloroisopropyl)ether	8270D
Dimethylphthalate	625	bis(2-Ethylhexyl)phthalate	8270D
di-n-Butylphthalate	625	Butylbenzylphthalate	8270D
di-n-Octylphthalate	625	Chrysene	8270D
Dodecane	625	Dibenz(a,h)anthracene	8270D
Fluoranthene	625	Diethylphthalate	8270D
Fluorene	625	Dimethylphthalate	8270D
Hexachlorobenzene	625	di-n-Butylphthalate	8270D
Hexachlorobutadiene	625	di-n-Octylphthalate	8270D
Hexachlorocyclopentadiene	625	Fluoranthene	8270D
Hexachloroethane	625	Fluorene	8270D
Indeno(1,2,3-cd)pyrene	625	Hexachlorobenzene	8270D
Isophrone	625	Hexachlorobutadiene	8270D
Naphthalene	625	Hexachlorocyclopentadiene	8270D
n-Decane	625	Hexachloroethane	8270D
Nitrobenzene	625	Indeno(1,2,3-cd)pyrene	8270D
n-Nitrosodimethylamine	625	Isophrone	8270D
n-Nitrosodi-n-propylamine	625	Naphthalene	8270D
n-Nitrosodiphenylamine	625	Nitrobenzene	8270D
n-Octadecane	625	n-Nitrosodimethylamine	8270D
Pentachlorophenol	625	n-Nitrosodi-n-propylamine	8270D
Phenanthrene	625	n-Nitrosodiphenylamine	8270D
Phenol	625	p-Chloro-m-cresol	8270D
Pyrene	625	Pentachlorophenol	8270D
Undecane	625	Phenanthrene	8270D
2,4,5-TP	8151	Phenol	8270D
2,4-D	8151	Pyrene	8270D
TPH-DRO	8000/8100M	TCLP 1,4-Dichlorobenzene	8270D
TPH (C8-C38)	8015M	TCLP 2,4,5-Trichlorophenol	8270D
TPH-GRO	8020/8015M	TCLP 2,4,6-Trichlorophenol	8270D
Benzene	8021B	TCLP 2,4-Dinitrotoluene	8270D
Ethylbenzene	8021B	TCLP Hexachlorobenzene	8270D
MTBE	8021B	TCLP Hexachlorobutadiene	8270D
Naphthalene	8021B	TCLP Hexachloroethane	8270D
Toluene	8021B	TCLP m,p-Cresol	8270D

Xylene (m,p & o)	8021B	TCLP Nitrobenzene	8270D
4,4'-DDE	8081B	TCLP o-Cresol	8270D
4,4'-DDT	8081B	TCLP Pentachlorophenol	8270D
Aldrin	8081B	TCLP Pyridine	8270D
Alpha-BHC	8081B	TPH (>C12 TO C28)	TX 1005
Beta-BHC	8081B	TPH (>C28 TO C35)	TX 1005
Delta-BHC	8081B	TPH (C6 TO C12)	TX 1005
Dieldrin	8081B	TPH (C6 TO C35)	TX 1005
Endosulfan I	8081B		

Additional Organics parameters are available through associations ETI maintains with other certified laboratories throughout the United States.

#### Wet Chemistry Analysis

The Wet Chemistry department is equipped with a Dionex ICS-1100 Ion Chromatograph with Dionex AS40 Autosampler along with all of the general laboratory glassware required for these types of inorganic analyses.

Tests offered by this department are:

<u>Parameter</u>	<u>Method</u>	<u>Parameter</u>	<u>Method</u>
Resistivity	120.1	Sour Test	2710 B
MLSS	160.2	Chromium, Hex	3500 Cr B
Chloride	300	Corrosivity (as pH)	4500 H+ B
Fluoride	300	pH	4500 H+ B
Nitrate / Nitrite-N	300	Cyanide	4500-CN E
Nitrate-N	300	Cyanide, reactive	4500-CN E
Nitrite-N	300	Cyanide, reactive	4500-CN E
Sulfate	300	Cyanide, amenable	4500CN G
Sulfate (dissolved)	300	Carbon dioxide	4500-CO2 D
Total Nitrogen	351.3	Ammonia-N	4500-NH3 D
Phenols	420.1	Total Kjeldahl Nitrogen	4500-NH3 D
Ignitability	1030	DO	4500-O G
Paint Filter Test	9095	Phosphorus, Total	4500-P E
Flashpoint	1010 A	Phosphate, Ortho	4500-P E
Turbidity	2130 B	Phosphorus, Total	4500-P E
Acidity	2310 B	Phosphorus (dissolved)	4500-P E

Alkalinity, P	2320 B	Sulfide	4500-S2 D
Alkalinity, T	2320 B	Sulfide, reactive	4500-S2 D
Bicarbonate	2320 B	CBOD	5210 B
Carbonate	2320 B	BOD	5210 B
Carbonate, dissolved	2320 B	BOD (filtered)	5210 B
Hydroxide	2320 B	COD	5220 D
Total Dissolved Salts	2510 A	COD (dissolved)	5220 D
Conductivity	2510 B	Cyanide	9010B
Specific Conductance	2510 B	Corrosivity (as pH)	9045A
Total Soluble Salts (as Conductivity)	2510 B	pH	9045C
Total Soluble Salts (as Salinity)	2520 A	RSC	Ag Handbook
Total Dissolved Solids	2540 C	Salinity	Ag Handbook
Total Suspended Solids	2540 D	PAN	Calculation
Settleable Solids	2540 F	Total Organic Nitrogen	Calculation
% Moisture	2540 G	Iron, Ferrous	Hach 8008
% Solids	2540 G	Sulfide	Hach 8131
% Solids	2540 G	Density	Hydrometer
Total Solids	2540 G	Specific Gravity	Hydrometer
Total Solids	2540 G	Specific Gravity	Hydrometer
Volatile Solids	2540 G	Soil Buffer Index	OSU
Volatile Solids	2540 G	Oxygen Reduction Potential	
Volatile Suspended Solids	2540 G	pH Saturation Index	
Volatile Suspended Solids	2540 G	Redox	
Temperature	2550 B		

### Microbiology Analysis

The Microbiology department is equipped with all the necessary incubators and equipment for the tests we offer. Pre-sterilized, disposable supplies are used when possible to help eliminate opportunities for sample contamination.

Test offered are:

<u>Parameter</u>	<u>Method</u>
Total Coliform	9222B
Fecal Coliform	9222D
E.Coli	9222G

### Sample Preparation

The Sample Preparation department is equipped with a series of 24 Liquid-Liquid extractors to ensure that the best possible extract of your liquid sample is obtained. 24 Soxhlet extractors are used for preparing solid samples. In addition, several separatory funnels are available to handle overflow. The Sample Preparation department operates on a varied schedule to ensure that samples are prepared as efficiently as possible for analysis.

### Field Services

ETI maintains a field staff available to handle all of your sampling needs. These technicians are trained in appropriate sample collection techniques and have five autosamplers at their disposal to assist with your project.

### Analytical Reports

An analytical report with associated quality control is generated from the LIMS system after all tests are completed. This report is personally reviewed by either the President or Vice-President, signed and then mailed to the address noted on the COC. Electronic versions may be emailed or faxed upon request.

### Record Retention and Confidentiality

Laboratory records related to PT sample analysis and analyte accredited analyses are retained for a minimum of five years. Bench records, run logs, sample preparation logs and standard logs are kept in bound log books in the laboratory. Raw computer data is routinely burned to DVD and those disks are stored in the laboratory. Sample information, analytical results and associated QA/QC results are retained electronically in the Laboratory Information Management System (LIMS). This system is backed-up to nightly. Back-ups are primarily stored on-site with one copy not more than one week old stored off-site.

Additionally, hard copies of all analytical reports with supporting documentation (e.g. chromatograms) are filed on-site for easy access. Current files through the last calendar year are kept in file cabinets. Older records are moved to file boxes and stored on-site.

All data and reports generated by ETI are considered your property as the Client listed on the COC. No information will be released to any other parties without your consent.

### Quality Control

ETI utilizes an extensive quality control program to help assure that the results of all our analyses are reliable. This program includes the use of NIST traceable standards and equipment where applicable. Calibration curves are prepared from the NIST traceable standards and verified using secondary source standards also NIST traceable. Additionally, laboratory control spikes, matrix spikes, matrix spike duplicates, and blanks are analyzed with each batch of samples where appropriate.

### Client Communication

Effective client communication is an essential component of our Quality Assurance program. We will notify you as soon as possible if we discover that we are going to be unable to meet any portion of the project requirements defined on your COC. We will then work with you to develop an equitable solution.

In addition, you are encouraged to contact us if you have any questions, concerns, or project changes. We can be reached by phone at (405) 488-2400, fax at (405) 488-2404, and email at [rbritten@eti-lab.com](mailto:rbritten@eti-lab.com) or [bmosley@eti-lab.com](mailto:bmosley@eti-lab.com).