

*DISTRICT BOARD OF HEALTH
MAHONING COUNTY*

DIVISION OF LABORATORY SERVICES

*FEE SCHEDULE
2019*

OEPA Drinking Water Inorganic Certification #1198

OEPA Drinking Water Microbiology Certification #870

ODH ELPAT Certification #10031

The American Association for Laboratory Accreditation
(A2LA) Certification #2213-01

TERMS AND CONDITIONS

Samples Submission Requirements

All samples submitted to the Mahoning County Health Department Laboratory Services (MCHD/LS) must be accompanied by chain of custody and/or EPA paperwork.

Credit Terms

Samples submitted must have a purchase order number or be accompanied by a check, made payable to the Mahoning County Health Department. Other forms of payment can be arranged, but must be approved before samples are brought into the lab.

Sample Containers

The laboratory routinely supplies properly cleaned, labeled and preserved containers at no charge.

QA/QC Program

MCHD/LS QA/QC program is designed to deliver scientifically valid, accurate, and precise data. Our comprehensive QA/QC program meets or exceeds the strict requirements established by the EPA. The MCHD/LS is currently certified by the Ohio EPA for analyzing specific drinking water parameters. We are A2LA accredited for lead dust wipe and soil testing. We are enrolled in the American Industrial Hygiene Association ELPAT proficiency program for lead dust wipe and soil testing as well as, proficiency testing programs required by EPA for metals, nutrient and bacteriological testing.

Records Retention

After analytical results have been reported to the client, MCHD/LA shall retain copies of such analytical reports for a period of ten years, after which time such reports will be destroyed. If a client requests additional copies of such analytical reports during the retention period an additional charge may apply for the preparation and printing of such reports.

Turnaround Time

Standard turnaround time is 10 business days, excluding our closed holidays however the laboratory normally delivers turnaround in under 10 days.

If RUSH turnaround time is desired, the following surcharges apply. **You must call for availability of RUSH turnaround time.** Also please note turnaround time on the chain of custody form.

- Same day turnaround – plus 125%
- Next business day turnaround – plus 100%
- Second business day turnaround – plus 75%
- Third business day turnaround – plus 50%
- Five business day turnaround – plus 25%

NOTE:

1. RUSH surcharges will be quoted on a case by case basis.
2. In some cases these turnarounds may not be achieved due to the QC or matrix interference problems
3. Samples received after 10 am will be considered received the following business day.

Sample Retention

After analytical results have been reported, most samples are routinely retained in our facility for 15 days. Prior arrangements must be made if samples are to be held for periods longer than 15 days. MDHD/LS may charge a monthly fee for long term storage. Please note that not all samples can be retained. Some tests require the use of the entire sample to be used in the testing process others are invalid after the holding time. In this case these samples are not kept after analysis.

MCHD/LS testing is performed in accordance with good laboratory practices and professional standards. No other warranty is expressed or implied.

Pricing subject to change without notice.

The laboratory may have the ability to perform other tests not present on the price list. Please contact the laboratory for pricing information for specific tests not listed.

Consulting fee for Groundwater Monitoring Program is \$80.00 per sample.

	ANALYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
	ALKALINITY						
	Water	EPA 310.1 Titrimetric	1.0 mg/l	200ml P/G	Cool, 4°C	14 days	15.00
	Solid (As CaCO ₃)	EPA 310.1 Titrimetric	1 µg/l CaCO ₃	100g P/G	Cool, 4°C	14 days	20.00
	ALUMINUM						
	Water	EPA 202.1 Flame AA	100 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 204.2 Furnace	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7020 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	AMMONIA, NITROGEN						
	Water	EPA 350.3 Electrometric	.02 mg/l	250ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	20.00
	Solid	EPA 350.3 Electrometric	.01mg/kg	100 g P/G	Cool, 4°C	28 days	20.00
	ANTIMONY						
	Water	EPA 204.1 Flame AA	100 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 204.2 Furnace	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7040 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	ARSENIC						
	Water	EPA 206.2 Furnace AA	5.0 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7060 Furnace AA	.25 mg/kg	100g P/G	Cool, 4°C	6 months	22.00
	BARIUM						
	Water	EPA 208.1 Flame AA	100 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 208.2 Furnace AA	10 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7080 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	BERYLLIUM						
	Water	EPA 210.1 Flame AA	5.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 210.2 Furnace AA	1.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7090 Flame AA	.25 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	BIOCHEMICAL OXYGEN DEMAND (BODS)						
	Total	EPA 405.1	10 mg/l	500 ml P/G	Cool, 4°C	48 hours	28.00
	Carbonaceous	EPA 405.1	10 mg/l	500 ml P/G	Cool, 4°C	48 hours	28.00
	BROMOMETHANE						
	Waste water	SW8260A	.5µg/l	2X40ml	Acetic acid HCL pH<2	14 days	75.00
	CADMIUM						
	Water	EPA 213.1 Flame AA	5.0 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 213.1 Furnace AA	0.1 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00

	ANALAYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
	Solid	SW-846 7130 Flame AA	.25 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	CALCIUM						
	Water	EPA 215.1 Flame AA	.10 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 215.2 Furnace AA	.01 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7140 Flame AA	.5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	CARBON, ORGANIC (TOC)						
	Water	EPA 415.1	1.0 mg/l	125ml G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	30.00
	CARBON, OXYGEN DEMAND (COD)						
	Water	EPA 410.4 Colorimetric	10 mg/l	100ml G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	25.00
	CHLORIDE						
	Water	EPA 325.3 Titrimetric	1.0 mg/l	500ml P/G	Cool, 4°C	28 days	15.00
	CHLORINE, RESIDUAL						
	Water	Electrometric	1.0mg/l	250ml P/G	NO HEADSPACE	Analyze Immediately	12.00
	CHLOROFORM						
	Waste water	SW8260A	.5µg/l	2X40ml	Acetic acid HCl pH,2	14 days	75.00
	CHROMIUM						
	Water	EPA 218.1 Flame AA	20 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 218.2 Furnace AA	5.0 µg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7190 Flame AA	1.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	CHROMIUM, HEXAVALENT						
	Water	EPA 218.4 Colorimetric	10 µg/l	200 ml P/G	Cool, 4°C	24 hours	16.00
	Solid	SW-846 3060 Colorimetric	1.0 mg/kg	100g P/G	Cool, 4°C	7 days	30.00
	COLIFORMS						
	Fecal	“Std. Meth.” 16 th Ed. 908	1 CFU/100ml	125ml P, Sterile	Cool, 4°C Na ₂ S ₂ O ₃	6 hours	22.00
	Total by Presence/Absence	EPA 9223	1 CFU/100ml	125ml P, Sterile	Cool, 4°C Na ₂ S ₂ O ₃	30 hours	25.00
	Total by Coliform Count	EPA 9223	1 CFU/100ml	125ml P, Sterile	Cool, 4°C Na ₂ S ₂ O ₃	30 hours	25.00
	CONDUCTANCE, SPECIFIC						
	Water	EPA 120.1 Electrometric	1.0 µmhos	100ml P/G	Cool, 4°C	28 days	7.00
	COPPER						
	Water	EPA 220.1 Flame AA	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	15.00
	Solid	SW-846 7210 Flame AA	0.5 mg/kg	100 g P/G	Cool, 4°C	6 months	17.00
	CYANIDE						
	Water	SW-846 9010 Colorimetric	.02 mg/l	500ml P/G	Cool, 4°C NaOH pH<12	14 days	25.00

ANALYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
E.COLI Water	M-Coli Blue	1 colony forming unit	125ml P	Cool, 4°C	24 hours	25.00
FLUORIDE Water	EPA 340.2 Electrometric	.02 mg/l	100ml P/G	Cool, 4°C	28 days	12.00
HOLOACETIC ACIDS (HAA5) Water	EPA 552.1	NA	250 ml G (amber) Teflon lid	Cool, 4°C NH ₄ Cl 100mg/L	28 days	154.00
HAOLOGEN, TOTAL ORGANIC (TOX) Water	SW-846 9020	1.0 µg/l	250ml G	Cool, 4°C NA ₂ S ₂ O ₃ H ₂ SO ₄ pH<2 (no headspace)	28 days	61.00
HARDNESS, TOTAL (Ca + Mg) Water	EPA 215.1 Flame AA EPA 242.1 Flame AA	10 mg/l	100ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	24.00
IRON Water	EPA 236.1 Flame AA	50 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
Water	EPA 236.2 Furnace AA	5.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
Solid	SW-846 7380 Flame AA	2.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
LEAD Air	NIOSH Flame AA	5 µg/m ³ .	NA P/G	N.A.	6 months	10.00
Water-Non EPA Compliance	EPA 239.2 Furnace	1.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	17.00
Water-EPA Compliance	EPA 239.2 Furnace	1.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
Solid	SW-846 7420 Furnace AA	2.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
Paint chip	SW-846 7420 Flame AA	N.A.	1.0g P/G	N.A.	6 months	13.00
Wipe	SW-846 7420 Flame AA	10µ g/ft ²	1 wipe P/G	N.A.	6 months	10.00
Soil	SW-846 7420 Flame AA	10 µ g/g	10g	N.A.	6 months	13.00
MAGNESIUM Water	EPA 242.1 Flame AA	.10 mg/l	125 ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
Solid	SW-846 7450 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
MANGANESE Water	EPA 243.1 Flame AA	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
Water	EPA 243.2 Furnace AA	1.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
Solid	SW-846 7460 Flame AA	0.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	EPA 245.1		250ml	Cool, 4°C		

	ANALYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
	MERCURY						
	Water	Cold vapor	0.2 µg/l	P/G	HNO ₃ pH<2	28 days	22.00
	Solid	SW-846 7470 Cold vapor	0.1 mg/kg	100g P/G	Cool, 4°C	28 days	25.00
	Low Level	1631	.02 µg/l	100g P/G	Cool, 4°C	28 days	71.50
	MOLYBDENUM						
	Water	EPA 246.1 Flame AA	100 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 246.2 Furnace AA	5.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7480 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	NICKEL						
	Water	EPA 249.1 Flame AA	30 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 249.2 Furnace	5.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7520 Flame AA	1.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	NITRATES (NITRATE + NITRITE)						
	Water	SM4500 NO ₃ -D Electrometric	0.5 mg/l	100ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	20.00
	EPA Nitrates	SM4500 NO ₃ -D Electrometric	0.5 mg/l	100ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	24.00
	NITRITES						
	Water	EPA 353.2 Electrometric	.01 mg/l	100ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	14.00
	EPA Nitrites	EPA 353.2 Electrometric	.01 mg/l	100 ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	48 hours	24.00
	NITRATE ONLY Non-EPA						
	Water	SM4500 NO ₃ -D Electrometric	0.5 mg/l	100 ml P/G	Cool, 4°C H ₂ SO ₄ pH <2	28 days	34.00
	NITRATE ONLY EPA						
	Water	SM4500 NO ₃ -D Electrometric	0.5 mg/l	100 ml P/G	Cool, 4°C H ₂ SO ₄ pH <2	28 days	48.00
	NITROGEN, TOTAL KJELDAHL (TKN)						
	Water/Solid	EPA 351.3 electrometric	.02 mg/l	500ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	27.00
	OIL & GREASE						
	Water	EPA 413.1 gravimetric	1.0 mg/l	1000ml G	Cool, 4°C Preserved upon receipt	28 days	38.00
	OXYGEN, DISSOLVED						
	Water	EPA 360.1	1.0 mg/l	300ml G	No headspace	Analyze Immediately	10.00
	pH						
	Water	EPA 150.1 electrometric	N.A.	50ml P/G	Cool, 4°C	Analyze Imd.	7.00
	PHENOLS						
	Water	EPA 420.1 Colorimetric	.02 mg/l	1000ml P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	20.00
	PHOSPHOROUS, ORTHO						
	Water	EPA 365.3 Colorimetric	.01 mg/l	100ml P/G	Cool, 4°C	48 hours	15.00

ANALYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
PHOSPHOROUS, TOTAL Water/Solid	EPA 365.2 Colorimetric	.01 mg/l	50m P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	20.00
PHOSPHATE Water	EPA 365.2 Colorimetric	.01 mg/l	50m P/G	Cool, 4°C H ₂ SO ₄ pH<2	28 days	18.00
POTASSIUM Water	EPA 258.1 Flame AA	.10 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
Solid	SW-846 7610 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
PRIORITY POLLUTANT SCAN-Does not include radiation Volatiles	EPA 624	NA	3x40ml G	Cool, 4°C HCL pH<2 (no headspace)	14 days	NA
Semi-Volatiles	EPA 625	NA	3x1000ml G (amber)	Cool, 4°C Na2S2O3	7/40 days	NA
Pesticides/PCB	EPA 608	NA	3x1000ml G (amber)	Cool, 4°C Na2S2O3	7/40 days	NA
Metals	SW-846	NA P/G	1000ml HNO ₃ pH<2	Cool, 4°C (Hg 28 days)	6 months	NA
Complete Priority Pollutant Scan	NA	NA	NA	NA	NA	550.00
SELENIUM Water	EPA 270.2 Furnace AA	5.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
Solid	SW-846 7740 Furnace AA	.25 mg/kg	100g P/G	Cool, 4°C	6 months	22.00
SILVER Water	EPA 272.1 Flame AA	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
Water	EPA 272.2 Furnace AA	1.0 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
Solid	SW-846 7760 Flame AA	0.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
SYNTHETIC ORGANIC COMPOUNDS GROUP I Water	EPA 525.2	NA	1000ml G (amber) Teflon lid	Cool, 4°C 40-50mg Sodium sulfite	14 days	170.50
SYNTHETIC ORGANIC COMPOUNDS GROUP IV Water	EPA 525.2	NA	1000ml G (amber) Teflon lid	Cool, 4°C 40-50mg Sodium sulfite	14 days	248.00
SODIUM Water	EPA 273.1 Flame AA	.10 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
SOLIDS, DISSOLVED Water	EPA 160.1 Gravimetric	1.0 mg/l	500ml P/G	Cool, 4°C	7 days	10.00

	ANALYSIS/MATRIX	EPA METHOD	DETECTION LIMIT	SAMPLE SIZE/ CONTAIER	PRESERVATION	HOLDING TIME	FEE
	SOLIDS, SUSPENDED						
	Water	EPA 160.2 Gravimetric	1.0 mg/l	500ml P/G	Cool, 4°C	7 days	15.00
	SOLIDS, TOTAL						
	Water	EPA 160.3 Gravimetric	1.0 mg/l	250ml P/G	Cool, 4°C	7 days	10.00
	SOLIDS, VOLATILE						
	Water	EPA 160.4 Gravimetric	1.0 mg/l	250ml P/G	Cool, 4°C	7 days	10.00
	STRONTIUM						
	Waste water	SW7780	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Solid	SW7780	50 mg/kg-dry	100g P/G			17.00
	SULFATE						
	Water	EPA 375.3 Gravimetric	1.0 mg/l	100ml P/G	Cool, 4°C	28 days	15.00
	SULFIDE						
	Water	EPA 376.2 Colorimetric	.05 mg/l	500ml P/G	Cool, 4°C NaOH ZnAC	7 days	20.00
	TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)						
	Solid	SW-846 1311 Complete TCLP	NA	200g G	Cool, 4°C	NA	650.00
	THALLIUM						
	Water	EPA 279.1 Flame AA	100 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 279.2 Furnace AA	10 µg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7840 Flame AA	5.0 mg/kg	100g P/G	Cool, 4°C	6 months	17.00
	TRIHALOMETHANES (TTHM)						
	Water	EPA 501.1 Or 501.2	NA	3x40ml G	Cool, 4°C Acetic Acid (ACOH) HCl pH<2 (no headspace)	14 days	60.50
	TURBIDITY						
	Water	EPA 180.1 Nephelometric	0.1 NTU	100ml P/G	Cool, 4°C	48 hours	10.00
	VOLATILE ORGANIC COMPOUNDS (VOC)						
	Water	SW-846 8240	NA	2x40ml G	Cool, 4°C Acetic Acid (ACOH) HCL pH<2 (no headspace)	14 days	175.00
	ZINC						
	Water	EPA 289.1 Flame AA	10 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	12.00
	Water	EPA 289.2 Furnace AA	1.0 mg/l	125ml P/G	Cool, 4°C HNO ₃ pH<2	6 months	19.00
	Solid	SW-846 7950 Flame AA	0.5 mg/kg	100g P/G	Cool, 4°C	6 months	17.00