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SAMPLING GUIDE

SOIL ANALYSIS

| HOLD TIME | ANALYSIS | VOLUME |
|-------------------|--------------------------|-----------------|
| INORGANICS | | |
| 28 days | AMMONIA | 2 oz. Glass jar |
| 30 days | CHROMIUM (Hexavalent) | 2 oz. Glass jar |
| 28 days | COD | 2 oz. Glass jar |
| 14 days | CYANIDES | 2 oz. Glass jar |
| 28 days | FLASHPOINT | 4 oz. Glass jar |
| 6 months* | METALS, Total | 2 oz. Glass jar |
| 28 days | NITROGEN TOT-TKN | 2 oz. Glass jar |
| 48 hr | NITRATE | 2 oz. Glass jar |
| 48 hr | NITRITE | 2 oz. Glass jar |
| 28 days | OIL & GREASE | 4 oz. Glass jar |
| IMMED | pH | 2 oz. Glass jar |
| 28 days | PHENOLICS | 4 oz. Glass jar |
| 28 days | PHOSPHATE | 2 oz. Glass jar |
| 7 days | SOLIDS (Total, Volatile) | 2 oz. Glass jar |
| 28 days | SULFATE | 2 oz. Glass jar |
| 7 days | SULFIDE | 2 oz. Glass jar |
| 28 days | TOC | 2 oz. Glass jar |
| 28 days | TX OR EOX | 2 oz. Glass jar |

| | | |
|------------------------|-------------------|------------------------------------|
| TCLP | | |
| 6 months* | Metals | 4 oz. Glass jar |
| 14 days ⁽¹⁾ | Volatiles | 2 oz. Glass jar |
| 14 days ⁽¹⁾ | Semi Volatiles | 4 oz. Glass jar |
| 14 days ⁽¹⁾ | Pesticides | 4 oz. Glass jar |
| 14 days ⁽¹⁾ | Herbicides | 4 oz. Glass jar |
| as above | Full TCLP (Solid) | (1) 2 oz. and (2) 8 oz. Glass jars |

| | | |
|---------------------------|------------|------------------|
| PETROLEUM ANALYSIS | | |
| 28 days | TPH-IR | 4 oz. Glass jar |
| 14 days | ETPH | 4 oz. Glass jar |
| 14 days | EPH | 4 oz. Amber |
| 28 days | VPH | (2) Methanol VOA |
| 14 days | NJ QAM025 | 4 oz. Glass jar |
| 14 days | NY KETONES | 2 oz. Glass jar |
| 14 days | TPH GRO | 2 oz. Glass jar |
| 14 days | TPH DRO | 4 oz. Glass jar |

| | | |
|---------------------------------------------|----------------|------------------------------------------------------------------------------|
| ORGANICS (SOILS/SOLIDS/OIL/SOLVENTS) | | |
| 14 days | Volatiles | 2 oz. Glass (1) methanol VOA, (2) Water VOA or (2) S. Bisulfite VOA |
| 14 days | Semi Volatiles | 4 oz Glass |
| 14 days | Pest/PCBs | 4 oz Glass |
| 14 days | Herbicides | 4 oz Glass |
| 3 days | Formaldehyde | 4 oz Glass |

⁽¹⁾14 Day Hold to TCLP Extraction. / *28 Days For Mercury.

WATER ANALYSIS

| HOLD TIME | ANALYSIS | PRESERVATIVE | VOLUME |
|-----------|----------|--------------|--------|
|-----------|----------|--------------|--------|

INORGANICS

| | | | |
|-----------|-----------------------|-------|-----------------------------|
| 14 days | ACIDITY | As Is | 100 ml/plastic } Separate |
| 14 days | ALKALINITY | As Is | 100 ml/plastic } Containers |
| 28 days | AMMONIA | H2SO4 | 250 ml/plastic |
| 24 hr | BACTERIA (DW) | As Is | 120 ml/Sterile plastic |
| 6 hr | BACTERIA (WW) | As Is | 120 ml/Sterile plastic |
| 24 hr | BOD | As Is | 500 ml/plastic |
| 28 days | BROMIDE | As Is | 100 ml/plastic |
| 28 days | COD | H2SO4 | 50 ml/plastic |
| 28 days | CHLORIDE | As Is | 50 ml/plastic |
| IMMED | CHLORINE Residual | As Is | 100 ml/plastic |
| 24 hr | CHROMIUM (Hexavalent) | As Is | 250 ml/plastic |
| 48 hr | COLOR | As Is | 50 ml/plastic |
| 28 days | CONDUCTANCE | As Is | 100 ml/plastic |
| 14 days | CYANIDES | NaOH | 100 ml/plastic |
| 28 days | FLASHPOINT | As Is | 250 ml/plastic |
| 28 days | FLUORIDE | As Is | 50 ml/plastic |
| 6 months | HARDNESS | HNO3 | 100 ml/plastic |
| 48 hr | MBAS | As Is | 500 ml/plastic |
| 6 months* | METALS, Total | HNO3 | 250 ml/plastic |
| 6 months* | METALS, Dissolved | As Is | 250 ml/plastic |
| 28 days | NITROGEN TOT-TKN | H2SO4 | 250 ml/plastic |
| 48 hr | NITRATE/NITRITE | As Is | 50 ml/plastic |
| 28 days | OIL & GREASE | H2SO4 | 1000 ml/Amber |
| 24 hr | ODOR | As Is | 100 ml/plastic |
| 8 hr | OXYGEN DISSOLVED | As Is | BOD Bottle |
| IMMED | pH | As Is | 100 ml/plastic |
| 28 days | PHENOLICS | H2SO4 | 250 ml/Amber |
| 28 days | PHOSPHATE | H2SO4 | 50 ml/plastic |
| 48 hr | PHOSPHATE, ORTHO | As Is | 50 ml/plastic |
| 28 days | SALINITY | As Is | 100 ml/plastic |
| 7 days | SOLIDS-DISSOLVED | As Is | 100 ml/plastic |
| 48 hr | SOLIDS-SETTLEABLE | As Is | 1000 ml/plastic |
| 7 days | SOLIDS-SUSPENDED | As Is | 100 ml/plastic |
| 7 days | SOLIDS-TOTAL | As Is | 100 ml/plastic |
| 7 days | SOLIDS-VOLATILE | As Is | 100 ml/plastic |
| 28 days | SPECIFIC GRAVITY | As Is | 100 ml/plastic |
| 28 days | SULFATE | As Is | 50 ml/plastic |
| 7 days | SULFIDE | NaOH | 500 ml/plastic |
| IMMED | SULFITE | As Is | 100 ml/plastic |
| 28 days | TOC | H2SO4 | 50 ml/Amber |
| 28 days | TOX | H2SO4 | 250 ml/Amber |
| 48 hr | TURBIDITY | As Is | 100 ml/plastic |

TCLP

| | | | |
|------------------------|--------------------|-------|-----------------------------------------------------------------------|
| 6 months* | Metals | As Is | 500 plastic |
| 14 days ⁽¹⁾ | Volatiles | As Is | (4)-40 ml/VOA Vials |
| 7 days ⁽²⁾ | Semi Volatiles | As Is | 1000 ml/Amber |
| 7 days ⁽²⁾ | Pesticides | As Is | 1000 ml/Amber |
| 7 days ⁽²⁾ | Herbicides | As Is | 1000 ml/Amber |
| as above | Full TCLP (Liquid) | As Is | (3) 1000 ml glass Ambers (1) 500 ml plastic (4) 40 ml VOA Vials |

PETROLEUM ANALYSIS

| | | | |
|---------|------------|-------|---------------------|
| 28 days | TPH-IR | H2SO4 | 1000 ml/Amber |
| 7 days | ETPH | As Is | 1000 ml/Amber |
| 14 days | EPH | HCL | 1000 ml/Amber |
| 14 days | VPH | HCL | (2)-40 ml/VOA Vials |
| 14 days | NJ QAM025 | HCL | 1000 ml/Amber |
| 14 days | NY KETONES | As Is | (2)-40 ml/VOA Vials |
| 14 days | TPH GRO | As Is | (2)-40 ml/VOA Vials |
| 7 days | TPH DRO | As Is | 1000 ml/Amber |

ORGANICS (LIQUIDS)

| | | | |
|---------|----------------|-------|---------------------|
| 14 days | Volatiles | HCL | (2)-40 ml/VOA Vials |
| 7 days | Semi Volatiles | As Is | 1000 ml/Amber |
| 7 days | Pest/PCBs | As Is | 1000 ml/Amber |
| 7 days | Herbicides | As Is | 1000 ml/Amber |
| 3 days | Formaldehyde | As Is | 500 ml/Amber |
| 14 days | EDB/DBCP | As Is | (2)-40 ml/VOA Vials |

⁽¹⁾14 Day Hold to TCLP Extraction. / ⁽²⁾ 7 Day Hold to TCLP Extraction. / *28 Days For Mercury.