

### Equipment List

| Item | Machinery and Equipment   | Manufacturer                   | Model                                   | Year of Manufacture | Quantity |
|------|---|--------------------------------|---|---------------------|----------|
| 1    | LECO  | LECO                           | SC632                                   | 2010                | 1        |
| 2    | LECO  | LECO                           | C230                                    | 2007                | 1        |
| 3    | HAWK  | Wilcat Technologies            | HAWK-S1S2S3                             | 2017                | 1        |
| 4    | Rock Eval 6   | Vinci Technologies             | Rock Eval 6 Classic S3                  | 2011                | 1        |
| 5    | Rock Eval 6   | Vinci Technologies             | Rock Eval 6 Classic S3                  | 2009                | 1        |
| 6    | SR Analyzer   | Humble Instruments             | SR Analyzer                             | 2009                | 1        |
| 7    | CDS Pyrolyzer   | CDS Analytical                 | 6150 Pyroprobe                          | 2017                | 1        |
| 8    | Elemental Analyzer  | Thermo                         | Flash2000 H tplus CNSOH                 | 2014                | 1        |
| 9    | Gerstel, Thermal Extractor Gas Chromatography Mass Spectrometer | Gerstel,<br>Agilent<br>Agilent | Thermal Extractor<br>7890 GC<br>5975 MS | 2012                | 1        |
| 10   | Isotope Ratio Mass Spectrometer                                 | Thermo                         | Delta V Plus                            | 2017                | 1        |
| 11   | Isotope Ratio Mass Spectrometer                                 | Thermo                         | Delta V Advance                         | 2013                | 1        |
| 12   | Gas Chromatography / Mass spectrometer                          | Thermo                         | GCMS Trace 1310 ISQLT                   | 2014                | 1        |
| 13   | Gas Chromatography /Mass spectrometer                           | Agilent                        | GC7890B MS59771                         | 2014                | 1        |
| 14   | Refinery Gas Analyser   | Thermo                         | Trace 1300 with $\mu$ FID & $\mu$ TCD   | 2016                | 1        |
| 15   | Gas Chromatography  | Agilent                        | 7890 GC                                 | 2012                | 1        |
| 16   | Mass Spectrometer   | Agilent                        | M7890A GC                               | 2009                | 1        |
| 17   | Gas Chromatography  | Hewlett Packard                | 6890 GC                                 | 2007                | 2        |
| 18   | Gas Chromatography  | Hewlett Packard                | 6890N GC                                | 2005                | 1        |
| 19   | GC/MS   | Hewlett Packard                | GC 6890 MS5973                          | 2007                | 2        |
| 20   | ICP-OES Duo   | Thermo                         | iCAP 7400                               | 2015                | 1        |
| 21   | Microwave Digestion System                                      | ETHOS                          | ETHOS UP                                | 2015                | 1        |
| 22   | Water De-ionizer  | Elga                           | Classic UVF                             | 2015                | 1        |
| 23   | Spectro Photometer  | Thermo                         | Evelution 600                           | 2015                | 1        |
| 24   | Digital Photometer  | MACHERY -NAGEL                 | Nanocolor 500D                          | 2016                | 1        |
| 25   | PH Meter  | Hanna                          | HI5221                                  | 2016                | 1        |
| 26   | Portable PH Meter   | Hanna                          | HI98190                                 | 2017                | 1        |
| 27   | Incubator   | Binder                         | BF115                                   | 2017                | 1        |
| 28   | Thermostatic Incubator  | POL-EKO                        | ST3                                     | 2017                | 1        |
| 29   | Top-loading Autoclave   | Hirayama                       | HV- 85                                  | 2017                | 1        |
| 30   | Drying oven   | Binder                         | ED115                                   | 2017                | 1        |
| 31   | Binocular Microscope  | Labomed                        | CXL                                     | 2017                | 1        |

|    |                                    |                         |  |      |    |
|----|------------------------------------|-------------------------|--|------|----|
| 32 | Immersed Bulk Volume Meter         | Vinci Technologies      | REF IBV  | 2016 | 1  |
| 33 | Helium Porosimeter                 | Vinci Technologies      | HEP-E  | 2016 | 1  |
| 34 | RockWash Ltd.                      | RockWash Ltd.           | Rock Wash  | 2011 | 1  |
| 35 | Hand HeldXRF                       | Niton                   | Niton™ XL3t GOLDD                                | 2011 | 1  |
| 36 | ASE Extractor                      | Dionex                  | ASE 150  | 2014 | 1  |
| 37 | MPLC                               | Smart Line              | Smart Line                                       | 2009 | 1  |
| 38 | Soxhlet                            | Cole Palmer             | Soxhlet Extractor with heating mantle            | 2007 | 12 |
| 39 | Soxhlet                            | Cole Palmer             | Soxhlet Extractor with heating mantles (1000 cc) | 2007 | 4  |
| 40 | Ultrasonic Machine                 | Branson                 | Aquasonic 3510                                   | 2007 | 2  |
| 41 | Zero Air Generator                 | VWR                     | Zero Air Generator                               | 2007 | 1  |
| 42 | Hydrogen Generator                 | Peak                    | Precision hydrogen, 300cc                        | 2014 | 1  |
| 43 | Hydrogen Generator                 | Parker Ballston         | 9150   | 2007 | 1  |
| 44 | Nitrogen Evaporator                | Organomation Associates | Nitrogen Evaporator 45 position                  | 2007 | 1  |
| 45 | Nitrogen Evaporator                | Organomation Associates | Nitrogen Evaporator 12 position                  | 2007 | 1  |
| 46 | Nitrogen Evaporator                | Biotage AB              | Turbovap   | 2009 | 1  |
| 47 | Heidolph                           | Heidolph                | Rotary Evaporator                                | 2000 | 1  |
| 48 | Hot Plate                          | Barnstead Intl.         | 1400   | 2007 | 2  |
| 49 | Oven                               | Heraeus                 | Heraeus  | 2000 | 1  |
| 50 | Centrifuge                         | Gemmy Universal         | PLC-025  | 2015 | 1  |
| 51 | Centrifuge                         | Thermo                  | Thermo C3i                                       | 2010 | 1  |
| 52 | Centrifuge                         | Clay Adams              | Dynac II, centrifuge                             | 2000 | 1  |
| 53 | Sonifier                           | Branson                 | Sonifier 250                                     | 2010 | 1  |
| 54 | Grinding & Polishing Machine       | Buehler                 | EcoMet 250 + AutoMet 250                         | 2015 | 1  |
| 55 | Thin Section Machine               | Hillquist               | Model 1010                                       | 2009 | 1  |
| 56 | Polisher                           | Kent                    | Kent MK 2A                                       | 2000 | 1  |
| 57 | Castable Vacuum System             | Buehler                 | Cast Vac. 1000                                   | 2009 | 1  |
| 58 | Reflected Light Kerogen Microscopy | Zeiss                   | Zeiss 47 30 12-9902                              | 2000 | 1  |
| 59 | Fume Hood                          | Labconoco               | Cat. No. 4882400                                 | 2010 | 1  |
| 60 | Server                             | Dell                    | Dell Power Edge 2950                             | 2007 | 1  |
| 61 | Mass Storage                       | Dell                    |  | 2007 | 1  |