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## Appendix G

Table G1: Summary of Soil and Sediment Laboratory Results (Land Use Comparison)

Table G2: Summary of Soil and Sediment Laboratory Results (Preliminary Waste Classification)

Table G3: Summary of Groundwater Laboratory Results

Table G4: Summary of Surface Water Laboratory Results

Table G5: Summary of Sediment Laboratory Results (Sediment Guideline Comparison)

Laboratory Reports

Envirolab Hydrocarbon Reference Library

Laboratory Chromatograms



Table G1: Summary of Soil and Sediment Laboratory Results (Land Use Comparison)

|           |       |        |             | Metals        |        |       |         |                |        |        |       |       |           |               |            |        |          |        |       | Priority PAH      |                          |                            |           | Priority TBH |         |         |         |         |         |         |         |         |         | BTEX    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------|-------|--------|-------------|---------------|--------|-------|---------|----------------|--------|--------|-------|-------|-----------|---------------|------------|--------|----------|--------|-------|-------------------|--------------------------|----------------------------|-----------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------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|           |       |        |             | Total Arsenic | Barium | Boron | Calcium | Total Chromium | Cobalt | Copper | Iron  | Lead  | Manganese | Mercury (ppm) | Molybdenum | Nickel | Selenium | Silver | Zinc  | Naphthalene (ppm) | Benzo(a)anthracene (ppm) | Benzo(b)fluoranthene (ppm) | Total PAH | Ben(a)P      | Ben(b)P | Ben(e)P | Ben(f)P | Ben(g)P | Ben(h)P | Ben(i)P | Ben(j)P | Ben(k)P | Ben(l)P | Ben(m)P | Ben(n)P | Ben(o)P | Ben(p)P | Ben(q)P | Ben(r)P | Ben(s)P | Ben(t)P | Ben(u)P | Ben(v)P | Ben(w)P | Ben(x)P | Ben(y)P | Ben(z)P | Ben(aa)P | Ben(ab)P | Ben(ac)P | Ben(ad)P | Ben(ae)P | Ben(af)P | Ben(ag)P | Ben(ah)P | Ben(ai)P | Ben(aj)P | Ben(ak)P | Ben(al)P | Ben(am)P | Ben(an)P | Ben(ao)P | Ben(ap)P | Ben(aq)P | Ben(ar)P | Ben(as)P | Ben(at)P | Ben(au)P | Ben(av)P | Ben(aw)P | Ben(ax)P | Ben(ay)P | Ben(az)P | Ben(ba)P | Ben(bb)P | Ben(bc)P | Ben(bd)P | Ben(be)P | Ben(bf)P | Ben(bg)P | Ben(bh)P | Ben(bi)P | Ben(bj)P | Ben(bk)P | Ben(bl)P | Ben(bm)P | Ben(bn)P | Ben(bo)P | Ben(bp)P | Ben(bq)P | Ben(br)P | Ben(bs)P | Ben(bt)P | Ben(bu)P | Ben(bv)P | Ben(bw)P | Ben(bx)P | Ben(by)P | Ben(bz)P | Ben(ca)P | Ben(cb)P | Ben(cc)P | Ben(cd)P | Ben(ce)P | Ben(cf)P | Ben(cg)P | Ben(ch)P | Ben(ci)P | Ben(cj)P | Ben(ck)P | Ben(cl)P | Ben(cm)P | Ben(cn)P | Ben(co)P | Ben(cp)P | Ben(cq)P | Ben(cr)P | Ben(cs)P | Ben(ct)P | Ben(cu)P | Ben(cv)P | Ben(cw)P | Ben(cx)P | Ben(cy)P | Ben(cz)P | Ben(da)P | Ben(db)P | Ben(dc)P | Ben(dd)P | Ben(de)P | Ben(df)P | Ben(dg)P | Ben(dh)P | Ben(di)P | Ben(dj)P | Ben(dk)P | Ben(dl)P | Ben(dm)P | Ben(dn)P | Ben(do)P | Ben(dp)P | Ben(dq)P | Ben(dr)P | Ben(ds)P | Ben(dt)P | Ben(du)P | Ben(dv)P | Ben(dw)P | Ben(dx)P | Ben(dy)P | Ben(dz)P | Ben(ea)P | Ben(eb)P | Ben(ec)P | Ben(ed)P | Ben(ee)P | Ben(ef)P | Ben(eg)P | Ben(eh)P | Ben(ei)P | Ben(ej)P | Ben(ek)P | Ben(el)P | Ben(em)P | Ben(en)P | Ben(eo)P | Ben(ep)P | Ben(eq)P | Ben(er)P | Ben(es)P | Ben(et)P | Ben(eu)P | Ben(ev)P | Ben(ew)P | Ben(ex)P | Ben(ey)P | Ben(ez)P | Ben(fa)P | Ben(fb)P | Ben(fc)P | Ben(fd)P | Ben(fe)P | Ben(ff)P | Ben(fg)P | Ben(fh)P | Ben(fi)P | Ben(fj)P | Ben(fk)P | Ben(fl)P | Ben(fm)P | Ben(fn)P | Ben(fo)P | Ben(fp)P | Ben(fq)P | Ben(fr)P | Ben(fs)P | Ben(ft)P | Ben(fu)P | Ben(fv)P | Ben(fw)P | Ben(fx)P | Ben(fy)P | Ben(fz)P | Ben(ga)P | Ben(gb)P | Ben(gc)P | Ben(gd)P | Ben(ge)P | Ben(gf)P | Ben(gg)P | Ben(gh)P | Ben(gi)P | Ben(gj)P | Ben(gk)P | Ben(gl)P | Ben(gm)P | Ben(gn)P | Ben(go)P | Ben(gp)P | Ben(gq)P | Ben(gr)P | Ben(gs)P | Ben(gt)P | Ben(gu)P | Ben(gv)P | Ben(gw)P | Ben(gx)P | Ben(gy)P | Ben(gz)P | Ben(ha)P | Ben(hb)P | Ben(hc)P | Ben(hd)P | Ben(he)P | Ben(hf)P | Ben(hg)P | Ben(hi)P | Ben(hj)P | Ben(hk)P | Ben(hl)P | Ben(hm)P | Ben(hn)P | Ben(ho)P | Ben(hp)P | Ben(hq)P | Ben(hr)P | Ben(hs)P | Ben(ht)P | Ben(hu)P | Ben(hv)P | Ben(hw)P | Ben(hx)P | Ben(hy)P | Ben(hz)P | Ben(ia)P | Ben(ib)P | Ben(ic)P | Ben(id)P | Ben(ie)P | Ben(if)P | Ben(ig)P | Ben(ih)P | Ben(ii)P | Ben(ij)P | Ben(ik)P | Ben(il)P | Ben(im)P | Ben(in)P | Ben(io)P | Ben(ip)P | Ben(iq)P | Ben(ir)P | Ben(is)P | Ben(it)P | Ben(iu)P | Ben(iv)P | Ben(iw)P | Ben(ix)P | Ben(iy)P | Ben(iz)P | Ben(ja)P | Ben(jb)P | Ben(jc)P | Ben(jd)P | Ben(je)P | Ben(jf)P | Ben(jg)P | Ben(jh)P | Ben(ji)P | Ben(jj)P | Ben(jk)P | Ben(jl)P | Ben(jm)P | Ben(jn)P | Ben(jo)P | Ben(jp)P | Ben(jq)P | Ben(jr)P | Ben(js)P | Ben(jt)P | Ben(ju)P | Ben(jv)P | Ben(jw)P | Ben(jx)P | Ben(jy)P | Ben(jz)P | Ben(ka)P | Ben(kb)P | Ben(kc)P | Ben(kd)P | Ben(ke)P | Ben(kf)P | Ben(kg)P | Ben(kh)P | Ben(ki)P | Ben(kj)P | Ben(kk)P | Ben(kl)P | Ben(km)P | Ben(kn)P | Ben(ko)P | Ben(kp)P | Ben(kq)P | Ben(kr)P | Ben(ks)P | Ben(kt)P | Ben(ku)P | Ben(kv)P | Ben(kw)P | Ben(kx)P | Ben(ky)P | Ben(kz)P | Ben(la)P | Ben(lb)P | Ben(lc)P | Ben(ld)P | Ben(le)P | Ben(lf)P | Ben(lg)P | Ben(lh)P | Ben(li)P | Ben(lj)P | Ben(lk)P | Ben(ll)P | Ben(lm)P | Ben(ln)P | Ben(lo)P | Ben(lp)P | Ben(lq)P | Ben(lr)P | Ben(ls)P | Ben(lt)P | Ben(lu)P | Ben(lv)P | Ben(lw)P | Ben(lx)P | Ben(ly)P | Ben(lz)P | Ben(ma)P | Ben(mb)P | Ben(mc)P | Ben(md)P | Ben(me)P | Ben(mf)P | Ben(mg)P | Ben(mh)P | Ben(mi)P | Ben(mj)P | Ben(mk)P | Ben(ml)P | Ben(mn)P | Ben(mo)P | Ben(mp)P | Ben(mq)P | Ben(mr)P | Ben(ms)P | Ben(mt)P | Ben(mu)P | Ben(mv)P | Ben(mw)P | Ben(mx)P | Ben(my)P | Ben(mz)P | Ben(na)P | Ben(nb)P | Ben(nc)P | Ben(nd)P | Ben(ne)P | Ben(nf)P | Ben/ng)P | Ben(nh)P | Ben(ni)P | Ben(nj)P | Ben(nk)P | Ben(nl)P | Ben(nm)P | Ben(nn)P | Ben(no)P | Ben(np)P | Ben(nq)P | Ben(nr)P | Ben(ns)P | Ben(nt)P | Ben(nu)P | Ben(nv)P | Ben(nw)P | Ben(nx)P | Ben(ny)P | Ben(nz)P | Ben(oa)P | Ben(ob)P | Ben(oc)P | Ben(od)P | Ben(oe)P | Ben(of)P | Ben(og)P | Ben(oh)P | Ben(oi)P | Ben(oj)P | Ben(ok)P | Ben(ol)P | Ben(om)P | Ben(on)P | Ben(oo)P | Ben(op)P | Ben(oq)P | Ben(or)P | Ben(os)P | Ben(ot)P | Ben(ou)P | Ben(ov)P | Ben(ow)P | Ben(ox)P | Ben(oy)P | Ben(oz)P | Ben(pa)P | Ben(pb)P | Ben(pc)P | Ben(pd)P | Ben(pe)P | Ben(pf)P | Ben(pg)P | Ben(ph)P | Ben(pi)P | Ben(pj)P | Ben(pk)P | Ben(pl)P | Ben(pm)P | Ben(pn)P | Ben(po)P | Ben(pp)P | Ben(pq)P | Ben(pr)P | Ben(ps)P | Ben(pt)P | Ben(pu)P | Ben(pv)P | Ben(pw)P | Ben(px)P | Ben(py)P | Ben(pz)P | Ben(qa)P | Ben(qb)P | Ben(qc)P | Ben(qd)P | Ben(qe)P | Ben(qf)P | Ben(qg)P | Ben(qh)P | Ben(qi)P | Ben(qj)P | Ben(qk)P | Ben(ql)P | Ben(qm)P | Ben(qn)P | Ben(qo)P | Ben(qp)P | Ben(qq)P | Ben(qr)P | Ben(qs)P | Ben(qt)P | Ben(qu)P | Ben(qv)P | Ben(qw)P | Ben(qx)P | Ben(qy)P | Ben(qz)P | Ben(ra)P | Ben(rb)P | Ben(rc)P | Ben(rd)P | Ben(re)P | Ben(rf)P | Ben(rg)P | Ben(rh)P | Ben(ri)P | Ben(rj)P | Ben(rk)P | Ben(rl)P | Ben(rm)P | Ben(rn)P | Ben(ro)P | Ben(rp)P | Ben(rq)P | Ben(rr)P | Ben(rs)P | Ben(rt)P | Ben(ru)P | Ben(rv)P | Ben(rw)P | Ben(rx)P | Ben(ry)P | Ben(rz)P | Ben(sa)P | Ben(sb)P | Ben(sc)P | Ben(sd)P | Ben(se)P | Ben(sf)P | Ben(sg)P | Ben(sh)P | Ben(si)P | Ben(sj)P | Ben(sk)P | Ben(sl)P | Ben(sm)P | Ben(sn)P | Ben(so)P | Ben(sp)P | Ben(sq)P | Ben(sr)P | Ben(ss)P | Ben(st)P | Ben(su)P | Ben(sv)P | Ben(sw)P | Ben(sx)P | Ben(sy)P | Ben(sz)P | Ben(ta)P | Ben(tb)P | Ben(tc)P | Ben(td)P | Ben(te)P | Ben(tf)P | Ben(tg)P | Ben(th)P | Ben(ti)P | Ben(tj)P | Ben(tk)P | Ben(tl)P | Ben(tm)P | Ben(tn)P | Ben(to)P | Ben(tp)P | Ben(tq)P | Ben(tr)P | Ben(ts)P | Ben(tt)P | Ben(tu)P | Ben(tv)P | Ben(tw)P | Ben(tx)P | Ben(ty)P | Ben(tz)P | Ben(ua)P | Ben(ub)P | Ben(uc)P | Ben(ud)P | Ben(ue)P | Ben(uf)P | Ben(ug)P | Ben(uh)P | Ben(ui)P | Ben(uj)P | Ben(uk)P | Ben(ul)P | Ben(um)P | Ben(un)P | Ben(uo)P | Ben(up)P | Ben(uq)P | Ben(ur)P | Ben(us)P | Ben(ut)P | Ben(uu)P | Ben(uv)P | Ben(uw)P | Ben(ux)P | Ben(uy)P | Ben(uz)P | Ben(va)P | Ben(vb)P | Ben(vc)P | Ben(vd)P | Ben(ve)P | Ben(vf)P | Ben(vg)P | Ben(vh)P | Ben(vi)P | Ben(vj)P | Ben(vk)P | Ben(vl)P | Ben(vm)P | Ben(vn)P | Ben(vo)P | Ben(vp)P | Ben(vq)P | Ben(vr)P | Ben(vs)P | Ben(vt)P | Ben(vu)P | Ben(vv)P | Ben(vw)P | Ben(vx)P | Ben(vy)P | Ben(vz)P | Ben(wa)P | Ben(wb)P | Ben(wc)P | Ben(wd)P | Ben(we)P | Ben(wf)P | Ben(wg)P | Ben(wh)P | Ben(wi)P | Ben(wj)P | Ben(wk)P | Ben(wl)P | Ben(wm)P | Ben(wn)P | Ben(wo)P | Ben(wp)P | Ben(wq)P | Ben(wr)P | Ben(ws)P | Ben(wt)P | Ben(wu)P | Ben(wv)P | Ben(wx)P | Ben(wy)P | Ben(wz)P | Ben(xa)P | Ben(xb)P | Ben(xc)P | Ben(xd)P | Ben(xe)P | Ben(xf)P | Ben(xg)P | Ben(xh)P | Ben(xi)P | Ben(xj)P | Ben(xk)P | Ben(xl)P | Ben(xm)P | Ben(xn)P | Ben(xo)P | Ben(xp)P | Ben(xq)P | Ben(xr)P | Ben(xs)P | Ben(xt)P | Ben(xu)P | Ben(xv)P | Ben(xw)P | Ben(xx)P | Ben(xy)P | Ben(xz)P | Ben(ya)P | Ben(yb)P | Ben(yc)P | Ben(yd)P | Ben(ye)P | Ben(yf)P | Ben(yg)P | Ben(yh)P | Ben(yi)P | Ben(yj)P | Ben(yk)P | Ben(yl)P | Ben(ym)P | Ben(yn)P | Ben(yo)P | Ben(yp)P | Ben(yq)P | Ben(yr)P | Ben(ys)P | Ben(yt)P | Ben(yu)P | Ben(yv)P | Ben(yw)P | Ben(yx)P | Ben(yz)P | Ben(za)P | Ben(zb)P | Ben(zc)P | Ben(zd)P | Ben(ze)P | Ben(zf)P | Ben(zg)P | Ben(zh)P | Ben(zi)P | Ben(zj)P | Ben(zk)P | Ben(zl)P | Ben(zm)P | Ben(zn)P | Ben(zo)P | Ben(zp)P | Ben(zq)P | Ben(zr)P | Ben(zs)P | Ben(zt)P | Ben(zu)P | Ben(zv)P |
| Sample ID | Depth | Strata | Sample Date | mg/kg         | mg/kg  | mg/kg | mg/kg   | mg/kg          | mg/kg  | mg/kg  | mg/kg | mg/kg | mg/kg     | mg/kg         | mg/kg      | mg/kg  | mg/kg    | mg/kg  | mg/kg | mg/kg             | mg/kg                    | mg/kg                      | mg/kg     | mg/kg        | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg</  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |

Lab result  
HL/HSL value EL/ESL/ECV value  
HL/HSL exceedance EL/ESL exceedance HL/HSL and EL/ESL exceedance ML exceedance ML and HL/HSL or EL/ESL exceedance  
Indicates that asbestos has been detected by the lab, refer to the lab report Blue = DC exceedance Red = ECV-indirect exceedance HSL 0-1 Exceedance  
Bold = Lab detection - - Not tested or No HL/HSL/EL/ESL (as applicable) or Not applicable NL = Not limiting NAD = No Asbestos detected  
HL = Health investigation level HSL = Health screening level (excluding DC) EL = Ecological investigation level ESL = Ecological screening level ECV = Environmental Guideline Value ML = Management Limit DC = Direct Contact HSL

Notes:  
a QA/QC replicate of sample listed directly below the primary sample  
b Naphthalene reported as highest detection from the BTEX or PAH suite, or if both results >PQL as lowest PQL  
c EL criteria applies to DDT only

Site Assessment Criteria (SAC)  
SAC based on generic land use thresholds for Commercial/Industrial C.  
Refer to the SAC section of report for information of SAC sources and rationale. Summary information as follows:  
HL HL-D (NEPC 2013 or NEPA 2020 (P&AS only)) EGV EGV all land uses, direct exposure (NEPA 2020)  
HSL HSL (vapour intrusion) HSL-D (NEPC 2013) ESL Commercial and Industrial (NEPC 2013)  
DC Direct contact HSL-D Commercial/Industrial (SAC CARE 2018) ML Commercial and Industrial (NEPC 2013)  
EGV-indr EGV all land uses, indirect exposure (NEPA 2020)



Table G1: Summary of Soil and Sediment Laboratory Results (Land Use Comparison)

|           |           |                   |             | Priority OCP           |                   |                 |                  |              |              |                       |               | Priority OPP    | PCB          | Priority PFAS |                        |              |                 |                      | Miscellaneous Inorganics |               |                             |                                            | Additional PhysChem     |          |                 |                |                 |                 |
|-----------|-----------|-------------------|-------------|------------------------|-------------------|-----------------|------------------|--------------|--------------|-----------------------|---------------|-----------------|--------------|---------------|------------------------|--------------|-----------------|----------------------|--------------------------|---------------|-----------------------------|--------------------------------------------|-------------------------|----------|-----------------|----------------|-----------------|-----------------|
|           |           |                   |             | DDT-DDE-DDDD<br>ε      | Aldrin + Dieldrin | Total Chlordane | Total Endosulfan | Endrin       | Heptachlor   | Heptachlor<br>epoxide | Methoxychlor  | Mirex           | Chlorpyrifos | Total PCB     | Total Positive<br>PFAS | PFCA         | PFOS + PFHxS    | PFOS                 | PFHxS                    | pH15 solution | Cation Exchange<br>Capacity | Electrical<br>Conductivity 1:5<br>solution | Total Organic<br>Carbon | Moisture | Exchangeable Ca | Exchangeable K | Exchangeable Mg | Exchangeable Na |
|           |           |                   | PQL         | 0.1                    | 0.1               | 0.1             | 0.1              | 0.1          | 0.1          | 0.1                   | 0.1           | 0.1             | 0.1          | 0.1           | 0.0001                 | 0.0001       | 0.0001          | 0.0001               | 0.0001                   |               | 1                           | 1                                          | 1                       | 1000     | 0.1             | 0.1            | 0.1             | 0.1             |
| Sample ID | Depth     | Strata            | Sample Date | mg/kg                  | mg/kg             | mg/kg           | mg/kg            | mg/kg        | mg/kg        | mg/kg                 | mg/kg         | mg/kg           | mg/kg        | mg/kg         | mg/kg                  | mg/kg        | mg/kg           | mg/kg                | mg/kg                    | pH Units      | cmol/kg                     | µs/cm                                      | mg/kg                   | mg/kg    | cmol/kg         | cmol/kg        | cmol/kg         | cmol/kg         |
| 301       | 3 m       | Clay              | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 8.6           | -                           | 33                                         | -                       | 170,000  | -               | -              | -               | -               |
| 302       | 2 m       | Clayey Sand       | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | -            | -               | -                    | -                        | 8.3           | -                           | 27                                         | -                       | 100,000  | -               | -              | -               | -               |
| 302       | 25 m      | Clayey Sand       | 14/04/2025  | -                      | -                 | -               | -                | -            | -            | -                     | -             | -               | -            | -             | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 8.4           | -                           | 25                                         | -                       | 61,000   | -               | -              | -               | -               |
| 302       | 3 m       | Clayey Sand       | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 8.7           | 6.6                         | 34                                         | -                       | 87,000   | 2.6             | <0.1           | 3.3             | 0.6             |
| 303       | 2 m       | Fill / Sandy Clay | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | 50 10 20 -   | -               | 20 1 20 -            | -                        | 7.6           | -                           | 23                                         | -                       | 110,000  | -               | -              | -               | -               |
| 303       | 3 m       | Gravelly Clay     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 7.6           | -                           | 23                                         | -                       | 110,000  | -               | -              | -               | -               |
| 304       | 3.5 m     | Clay              | 14/04/2025  | -                      | -                 | -               | -                | -            | -            | -                     | -             | -               | -            | -             | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | -             | -                           | -                                          | -                       | 180,000  | -               | -              | -               | -               |
| 304       | 4 m       | Clayey Gravel     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | 50 10 20 -   | -               | 20 1 20 -            | -                        | 8.4           | -                           | 21                                         | -                       | 92,000   | -               | -              | -               | -               |
| D3/SBK    | 0 m       | Clayey Gravel     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | -            | -               | -                    | -                        | 8.5           | -                           | 29                                         | -                       | 170,000  | -               | -              | -               | -               |
| 305       | 15 m      | Clay              | 14/04/2025  | -                      | -                 | -               | -                | -            | -            | -                     | -             | -               | -            | -             | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 8.9           | -                           | 86                                         | -                       | 150,000  | -               | -              | -               | -               |
| 305       | 3 m       | Clayey Gravel     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | <0.0001<br>50 10 20 -  | <0.0001<br>- | <0.0001<br>20 - | <0.0001<br>20 1 20 - | <0.0001<br>-             | 7.9           | -                           | 27                                         | -                       | 170,000  | -               | -              | -               | -               |
| 306       | 15 m      | Clay              | 14/04/2025  | -                      | -                 | -               | -                | -            | -            | -                     | -             | -               | -            | -             | -                      | 50 10 20 -   | -               | 20 1 20 -            | -                        | -             | -                           | -                                          | -                       | 84,000   | -               | -              | -               | -               |
| 306       | 25 m      | Clayey Gravel     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | 50 10 20 -   | -               | 20 1 20 -            | -                        | 8.6           | -                           | 19                                         | -                       | 100,000  | -               | -              | -               | -               |
| 306       | 4 m       | Gravelly Clay     | 14/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | -                      | -            | -               | -                    | -                        | 8.4           | 10                          | 20                                         | -                       | 120,000  | 4.9             | 0.2            | 5               | 0.2             |
| SED1      | 0 - 0.1 m | Clayey Silt       | 15/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | 0.012<br>50 10 20 -    | <0.0001<br>- | 0.011<br>20 -   | 0.01<br>20 1 20 -    | 0.0007<br>20 -           | 6.2           | 11                          | 50                                         | 32,000                  | 380,000  | 7.6             | 0.3            | 3.3             | <0.1            |
| SED2      | 0 - 0.1 m | Clayey Silt       | 15/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | 0.014<br>50 10 20 -    | <0.0001<br>- | 0.013<br>20 -   | 0.012<br>20 1 20 -   | 0.001<br>20 -            | 5.9           | -                           | 71                                         | 53,000                  | 510,000  | -               | -              | -               | -               |
| SED3      | 0 - 0.1 m | Clayey Silt       | 15/04/2025  | <0.1<br>3,600 640 45 - | <0.1<br>530 -     | <0.1<br>2,000 - | <0.1<br>100 -    | <0.1<br>50 - | <0.1<br>80 - | <0.1<br>2,500 -       | <0.1<br>100 - | <0.1<br>2,000 - | <0.1<br>7 -  | <0.1<br>-     | 0.0029<br>50 10 20 -   | <0.0001<br>- | 0.0027<br>20 -  | 0.0025<br>20 1 20 -  | 0.0002<br>20 -           | 6.8           | -                           | 71                                         | 26,000                  | 300,000  | -               | -              | -               | -               |

Lab result

HIL/HSL value EIL/ESL/EOV value

HIL/HSL exceedance

EIL/ESL exceedance

HIL/HSL and EIL/ESL exceedance

ML exceedance

ML and HIL/HSL or EIL/ESL exceedance

Indicates that asbestos has been detected by the lab, refer to the lab report

Blue = DC exceedance

Red = EOV-indirect exceedance

HSL 0-<1 Exceedance

**Bold** = Lab detections

- = Not tested or No HIL/HSL/EIL/ESL (as applicable) or Not applicable

NL = Not limiting

NAD = No Asbestos detected

HIL = Health Investigation level HSL = Health screening level (excluding DC) EIL = Ecological investigation level ESL = Ecological screening level EOV = Environmental Guideline Value ML = Management Limit DC = Direct Contact HSL

Notes:

- a QA/QC replicate of sample listed directly below the primary sample
- b Naphthalene reported as highest detection from the BTEXN or PAH suite, or if both results <PQL as lowest PQL
- c EIL criteria applies to DDT only

Site Assessment Criteria (SAC):

SAC based on generic land use thresholds for Commercial/ industrial D

Refer to the SAC section of report for information of SAC sources and rationale. Summary information as follows:

|                        |                                                             |           |                                                    |
|------------------------|-------------------------------------------------------------|-----------|----------------------------------------------------|
| HIL                    | HIL-D (NEPC, 2013 or HEPA, 2020 (PFAS only))                | EOV       | EOV, all land uses, direct exposure (HEPA, 2020)   |
| HSL (vapour intrusion) | HSL-D (NEPC, 2013)                                          | ESL       | Commercial and Industrial (NEPC, 2013)             |
| DC                     | Direct contact HSL D Commercial/Industrial (CRC CARE, 2011) | ML        | Commercial and Industrial (NEPC, 2013)             |
|                        |                                                             | EOV-Indir | EOV, all land uses, indirect exposure (HEPA, 2020) |

L&M result  
 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 83

| Site Assessment Criteria (SAC)                                                                                  |                                                          |          |                                                    |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|----------------------------------------------------|
| SAC based on owner's land use (residential for Commercial/Industrial?)                                          |                                                          |          |                                                    |
| Refer to the SAC section of report for information of SAC sources and estimate. Summary information as follows: |                                                          |          |                                                    |
| HSL                                                                                                             | HSL @ (HSRPT, 2013) or HSLR, 2013 (PM-10 only)           | HSL      | HSL at land uses, direct exposure (HSRPA, 2013)    |
| HSL (Sagehen inclusion)                                                                                         | HSL @ (HSRPT, 2013)                                      | HSL      | Commercial and Industrial (HSRPT, 2013)            |
| ESC                                                                                                             | Direct contact HSL @ Commercial/Industrial (HSRPA, 2013) | HL       | Commercial and Industrial (HSRPT, 2013)            |
|                                                                                                                 |                                                          | HSR-indr | HSR, at land uses, indirect exposure (HSRPA, 2013) |

CT1 exceedance 
  TCLP1 and/or SCC1 exceedance 
  CT2 exceedance 
  TCLP2 and/or SCC2 exceedance 
  Asbestos detection

- = Not tested, no criteria or not applicable    NAD = no asbestos detected

|         |                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|
| a       | QA/QC replicate of sample listed directly below the primary sample                                                                        |
| b       | Total chromium used as initial screen for chromium(VI).                                                                                   |
| c       | Total recoverable hydrocarbons (TRH) used as an initial screen for total petroleum hydrocarbons (TPH)                                     |
| d       | Criteria for scheduled chemicals used as an initial screen                                                                                |
| e       | Criteria for Chlorypyrifos used as initial screen                                                                                         |
| f       | NSW EPA, 2014, Waste Classification Guidelines Part I; Classifying Waste                                                                  |
| PQL     | Practical quantitation limit                                                                                                              |
| CT1     | Maximum values of specific contaminant concentration (SCC) for classification without TCLP; General solid waste                           |
| SCC1    | Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: General solid waste    |
| TCLP1   | Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: General solid waste    |
| CT2     | Maximum values of specific contaminant concentration (SCC) for classification without TCLP; Restricted solid waste                        |
| SCC2    | Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: Restricted solid waste |
| TCLP2   | Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: Restricted solid waste |
| 95% UCL | 95% upper confidence limit of the mean concentration calculated using ProUCL v5.1 and the 95% Student's t UCL method                      |

### Table G3: Summary of Groundwater Laboratory Results

| Table G3: Summary of Groundwater Laboratory Results |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    | Field ID | 101         | 102         | D1/GW       | T1/GW       | 103         | 104         | 105         | 106         | MW1         | MW2         | 301         | 302         | 303         | 304         | 305         | 306         |             |
|-----------------------------------------------------|-------|---------|-------------------------------------|----------------------------------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                     |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    | Date     | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 |
|                                                     | Unit  | PQL     | ANZECC 2000 SE Aust - Lowland River | ANZG (2018) Freshwater Slightly to Moderately Disturbed Systems DGVS | PFAS NEMP 2025 Freshwater 95% | PFAS NEMP 2025 Freshwater 99% | NEMP 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand | NEMP 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Inorganics                                          |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| pH (Lab)                                            | -     |         | 6.5-8                               |                                                                      |                               |                               |                                                                    |                                                                    |          | 6.9         | 7.1         | 6.8         | -           | 6.8         | 6.9         | 6.9         | 6.9         | 6.8         | 7           | 6.8         | 6.9         | 6.8         | 6.8         | 6.8         | 7           |             |
| Electrical Conductivity (Non Compensated)           | µS/cm | 1       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | 350         | 510         | 320         | -           | 320         | 480         | 570         | 900         | 740         | 440         | 510         | 620         | 740         | 620         | 610         | 980         |             |
| Hardness (filtered)                                 | mg/L  | 3       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 120         | -           | -           | -           | -           | -           |             |             |
| Chloride                                            | mg/L  | 1       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 22          | -           | -           | -           | -           | -           |             |             |
| Sulphate                                            | mg/L  | 1       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 47          | -           | -           | -           | -           | -           |             |             |
| Alkalinity (Hydroxide) as CaCO3                     | mg/L  | 5       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | <5          | -           | -           | -           | -           | -           |             |             |
| Alkalinity (Carbonate as CaCO3)                     | mg/L  | 5       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | <5          | -           | -           | -           | -           | -           |             |             |
| Alkalinity (total) as CaCO3                         | mg/L  | 5       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 210         | -           | -           | -           | -           | -           |             |             |
| Ammonia as N (filtered)                             | mg/L  | 0.005   |                                     | 0.9                                                                  |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.04        | -           | -           | -           | -           | -           |             |             |
| Alkalinity (Bicarbonate as CaCO3)                   | mg/L  | 5       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 210         | -           | -           | -           | -           | -           |             |             |
| Ionic Balance                                       | %     |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | -13         | -           | -           | -           | -           | -           |             |             |
| Kjeldahl Nitrogen Total                             | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.7         | -           | -           | -           | -           | -           |             |             |
| Nitrate (as N) (filtered)                           | mg/L  | 0.005   |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.3         | -           | -           | -           | -           | -           |             |             |
| Nitrite (as N) (filtered)                           | mg/L  | 0.005   |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | <0.005      | -           | -           | -           | -           | -           |             |             |
| Organic Nitrogen as N                               | mg/L  | 0.2     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.7         | -           | -           | -           | -           | -           |             |             |
| Nitrogen (Total Oxidised)                           | mg/L  | 0.005   |                                     | 0.04 <sup>15</sup>                                                   |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.31        | -           | -           | -           | -           | -           |             |             |
| Nitrogen (Total)                                    | mg/L  | 0.1     |                                     | 0.5                                                                  |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 1           | -           | -           | -           | -           | -           |             |             |
| Total Phosphorus (Organic Phosphate)                | mg/L  | 0.05    |                                     | 0.05                                                                 |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 0.82        | -           | -           | -           | -           | -           |             |             |
| Sodium (filtered)                                   | mg/L  | 0.5     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 48          | -           | -           | -           | -           | -           |             |             |
| Total Dissolved Solids (Lab)                        | mg/L  | 5       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | -           | -           | -           | 360         | -           | -           | -           | -           | -           |             |             |
| Metals                                              |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Aluminium (filtered)                                | mg/L  | 0.01    |                                     | 0.055                                                                |                               |                               |                                                                    |                                                                    |          | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       |             |             |
| Arsenic (filtered)                                  | mg/L  | 0.001   |                                     | 0.013 <sup>11</sup>                                                  |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | 0.009       | 0.009       | 0.011       | 0.023       | <0.001      | 0.001       | 0.016       | 0.02        | 0.011       | 0.023       | 0.005       |             |
| Barium (filtered)                                   | mg/L  | 0.001   |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | 0.03        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Beryllium (filtered)                                | mg/L  | 0.0005  |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.0005     | <0.0005     | <0.0005     | <0.001      | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     | <0.0005     |             |             |
| Boron (filtered)                                    | mg/L  | <0.02   |                                     | 0.94                                                                 |                               |                               |                                                                    |                                                                    |          | 0.03        | 0.03        | <0.05       | <0.02       | 0.03        | <0.02       | <0.02       | <0.02       | 0.08        | <0.02       | 0.08        | <0.02       | 0.08        | <0.02       | 0.08        |             |             |
| Cadmium (filtered)                                  | mg/L  | 0.0001  |                                     | 0.0002                                                               |                               |                               |                                                                    |                                                                    |          | <0.0001     | <0.0001     | <0.0001     | <0.001      | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     | <0.0001     |             |             |
| Calcium (filtered)                                  | mg/L  | 0.5     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             | 21          |             |             |             |             |             |             |             |
| Chromium [III+VI] (filtered)                        | mg/L  | 0.001   |                                     | 0.001 <sup>12</sup>                                                  |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      |             |             |
| Cobalt (filtered)                                   | mg/L  | 0.001   |                                     | 0.0014                                                               |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | 0.001       | <0.001      | <0.001      | 0.001       | 0.001       | 0.001       | 0.003       |             |             |
| Copper (filtered)                                   | mg/L  | 0.001   |                                     | 0.0014                                                               |                               |                               |                                                                    |                                                                    |          | 0.001       | 0.002       | 0.001       | 0.001       | 0.001       | <0.001      | <0.001      | <0.001      | 0.001       | 0.001       | 0.001       | <0.001      | <0.001      | <0.001      | <0.001      |             |             |
| Iron (filtered)                                     | mg/L  | 0.01    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       | 2.2         | 1           | 0.49        | 3.4         | 0.06        | 0.28        | 2.1         | 4.1         | 0.6         | 2.5         | 0.69        |             |
| Lead (filtered)                                     | mg/L  | 0.001   |                                     | 0.0034                                                               |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | 0.003       | <0.001      | <0.001      | <0.001      | 0.001       | <0.001      | 0.002       | <0.001      |             |
| Magnesium (filtered)                                | mg/L  | 0.5     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             | 16          |             |             |             |             |             |             |             |
| Manganese (filtered)                                | mg/L  | 0.001   |                                     | 1.9                                                                  |                               |                               |                                                                    |                                                                    |          | 0.13        | 0.017       | 0.22        | 0.23        | 0.21        | 1.1         | 0.82        | 0.45        | 4           | 0.091       | 0.23        | 2.6         | 3.8         | 0.51        | 2.8         | 2           |             |
| Mercury (filtered)                                  | mg/L  | 0.00005 |                                     | 0.00006                                                              |                               |                               |                                                                    |                                                                    |          | <0.00005    | <0.00005    | <0.00005    | <0.0001     | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    | <0.00005    |             |             |
| Molybdenum (filtered)                               | mg/L  | 0.001   |                                     | 0.034                                                                |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | 0.002       | 0.001       | <0.001      | 0.001       | <0.001      | 0.001       | 0.002       | <0.001      | 0.001       | 0.001       | 0.001       |             |             |
| Nickel (filtered)                                   | mg/L  | 0.001   |                                     | 0.011                                                                |                               |                               |                                                                    |                                                                    |          | 0.001       | 0.002       | 0.005       | 0.005       | 0.005       | 0.005       | 0.016       | 0.002       | 0.009       | 0.003       | 0.001       | 0.005       | 0.005       | 0.001       | 0.023       | 0.006       |             |
| Potassium (filtered)                                | mg/L  | 0.5     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |
| Selenium (filtered)                                 | mg/L  | 0.001   |                                     | 0.005                                                                |                               |                               |                                                                    |                                                                    |          | <0.001      | 0.001       | <0.001      | <0.01       | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      |             |             |
| Silver (filtered)                                   | mg/L  | 0.001   |                                     | 0.00005                                                              |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      |             |             |
| Vanadium (filtered)                                 | mg/L  | 0.01    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.001      | <0.001      | <0.001      | <0.01       | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      | <0.001      |             |             |
| Zinc (filtered)                                     | mg/L  | 0.001   |                                     | 0.008                                                                |                               |                               |                                                                    |                                                                    |          | 0.008       | 0.005       | 0.049       | 0.029       | 0.028       | 0.003       | 0.006       | 0.015       | 0.005       | <0.001      | 0.002       | 0.004       | 0.006       | 0.002       | 0.01        | 0.002       |             |
| TRH                                                 |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| C6-C10 Fraction (F1)                                | mg/L  | 0.01    |                                     |                                                                      |                               |                               | 6   6   7                                                          | NL   NL   NL                                                       |          | <0.01       | <0.01       | <0.01       | <0.02       | <0.01       | 0.12        | 0.6         | <0.01       | 48          | <0.01       | <0.01       | 11          | 21          | 1           | 23          | 3.6         |             |
| C6-C10 (F1 minus BTEX)                              | mg/L  | 0.01    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.01       | <0.01       | <0.01       | <0.02       | <0.01       | 0.12        | 0.54        | <0.01       | 18          | <0.01       | <0.01       | 5.2         | 10          | 0.86        | 11          | 1.8         |             |
| >C10-C16 Fraction (F2)                              | mg/L  | 0.05    |                                     |                                                                      |                               |                               | NL   NL   NL                                                       | NL   NL   NL                                                       |          | <0.05       | <0.05       | <0.05       | <0.1        | <0.05       | 0.15        | 0.05        | 3.5         | <0.05       | <0.05       | 1.1         | 2.2         | 0.24        | 2.2         | 2.8         |             |             |
| >C10-C16 Fraction (F2 minus Naphthalene)            | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.05       | <0.05       | <0.05       | <0.1        | <0.05       | 0.14        | <0.05       | 3.1         | <0.05       | <0.05       | 0.97        | 1.8         | 0.21        | 1.8         | 2.5         |             |             |
| >C16-C34 Fraction (F3)                              | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | 0.12        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| >C34-C40 Fraction (F4)                              | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| >C10-C40 Fraction (Sum)                             | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.05       | <0.05       | <0.05       | <0.1        | <0.05       | 0.15        | <0.05       | 3.6         | <0.05       | <0.05       | 1.1         | 2.2         | 0.24        | 2.2         | 2.8         |             |             |
| C6-C9 Fraction                                      | mg/L  | 0.01    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.01       | <0.01       | <0.01       | <0.02       | <0.01       | 0.11        | <0.01       | 42          | <0.01       | 8.3         | 18          | 0.99        | 21          | 3.3         |             |             |             |
| C10-C14 Fraction                                    | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.05       | <0.05       | <0.05       | <0.05       | <0.05       | 0.2         | <0.05       | 7.1         | <0.05       | 2.3         | 4.2         | 0.83        | 5.1         | 0.97        | 0.78        |             |             |
| C15-C28 Fraction                                    | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | 0.21        | <0.1        | <0.1        | 0.1         | 0.13        | <0.1        | <0.1        | 0.19        |             |             |
| C29-C36 Fraction                                    | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.1        | <0.1        | <0.1        | <0.05       | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| C10-C36 Fraction (Sum)                              | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | <0.05       | <0.05       | <0.05       | <0.05       | <0.05       | 0.2         | <0.05       | 7.4         | <0.05       | <0.05       | 2.4         | 4.4         | 0.3         | 5.1         | 4.1         |             |             |
| TPH (Silica-Gel Cleanup)                            |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| C10-C14 Fraction (SG)                               | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | 0.06        | -           | 1.8         | -           | -           | 0.65        | 1.5         | 0.1         | 2.1         | 1           |             |
| C15-C28 Fraction (SG)                               | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | <0.1        | -           | <0.1        | -           | -           | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| C29-C36 Fraction (SG)                               | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | <0.1        | -           | <0.1        | -           | -           | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| >C10-C16 Fraction (SG)                              | mg/L  | 0.05    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | 0.067       | -           | 0.96        | -           | -           | 0.83        | 0.12        | 0.97        | 0.78        |             |             |
| >C16-C34 Fraction (SG)                              | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | <0.1        | -           | <0.1        | -           | -           | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| >C34-C40 Fraction (SG)                              | mg/L  | 0.1     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          | -           | -           | -           | -           | -           | -           | <0.1        | -           | <0.1        | -           | -           | <0.1        | <0.1        | <0.1        | <0.1        |             |             |
| BTEX                                                |       |         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Benzene                                             | mg/L  | 0.00005 |                                     | 0.95                                                                 |                               |                               | 5   5   5                                                          | 30   30   35                                                       |          | <0.001      | <0.001      | <0.001      | <0          |             |             |             |             |             |             |             |             |             |             |             |             |             |

Table G3: Summary of Groundwater Laboratory Results

| Field ID                                                  | Date | 101         | 102                                 | D1/GW                                                                | T1/GW                         | 103                           | 104                                                                | 105                                                                | 106         | MW1         | MW2         | 301         | 302         | 303         | 304         | 305         | 306         |
|-----------------------------------------------------------|------|-------------|-------------------------------------|----------------------------------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                           |      | 28 Apr 2025 | 28 Apr 2025                         | 28 Apr 2025                                                          | 28 Apr 2025                   | 28 Apr 2025                   | 28 Apr 2025                                                        | 28 Apr 2025                                                        | 28 Apr 2025 | 28 Apr 2025 | 28 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 | 29 Apr 2025 |
|                                                           | Unit | PQL         | ANZECC 2000 SE Aust - Lowland River | ANZG (2018) Freshwater Slightly to Moderately Disturbed Systems DGVS | PFAS NEMP 2025 Freshwater 95% | PFAS NEMP 2025 Freshwater 99% | NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand | NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay |             |             |             |             |             |             |             |             |             |
| VOCs                                                      |      |             |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1,1,2-tetrachloroethane                                 | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1,1-trichloroethane                                     | mg/L | 0.0001      |                                     | 0.27                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1,2,2-tetrachloroethane                                 | mg/L | 0.0001      |                                     | 0.4                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1,2-trichloroethane                                     | mg/L | 0.0001      |                                     | 6.5                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1-dichloroethane                                        | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1-dichloroethene                                        | mg/L | 0.0001      |                                     | 0.7                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,1-dichloropropene                                       | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2,3-trichlorobenzene                                    | mg/L | 0.0001      |                                     | 0.003                                                                |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2,3-trichloropropene                                    | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2,4-trichlorobenzene                                    | mg/L | 0.0001      |                                     | 0.085                                                                |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2,4-trimethylbenzene                                    | mg/L | 0.00005     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-dibromo-3-chloropropane                               | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-dibromoethane                                         | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-dichlorobenzene                                       | mg/L | 0.0001      |                                     | 0.16                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-dichloroethane                                        | mg/L | 0.0001      |                                     | 1.9                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-Dichloroethene                                        | µg/L | 0.1         |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,2-dichloropropane                                       | mg/L | 0.0001      |                                     | 0.9                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,3,5-trimethylbenzene                                    | mg/L | 0.00005     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,3-dichlorobenzene                                       | mg/L | 0.0001      |                                     | 0.26                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,3-dichloropropane                                       | mg/L | 0.0001      |                                     | 1.1                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 1,4-dichlorobenzene                                       | mg/L | 0.0001      |                                     | 0.06                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 2,2-dichloropropane                                       | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Trihalomethanes                                           | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 2-chlorotoluene                                           | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 4-chlorotoluene                                           | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Benzene                                                   | mg/L | 0.0001      |                                     | 0.95                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Benzyl chloride                                           | mg/L | 0.0002      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Bromobenzene                                              | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Bromochloromethane                                        | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Bromodichloromethane                                      | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Bromoform                                                 | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Bromomethane                                              | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Carbon tetrachloride                                      | mg/L | 0.00005     |                                     | 0.24                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Chlorobenzene                                             | mg/L | 0.0001      |                                     | 0.055                                                                |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Chlorodibromomethane                                      | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Chloroethane                                              | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Chloroform                                                | mg/L | 0.0001      |                                     | 0.37                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Chloromethane                                             | mg/L | 0.002       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| cis-1,2-dichloroethene                                    | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| cis-1,3-dichloropropene                                   | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Cyclohexane                                               | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Dibromomethane                                            | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Dichlorodifluoromethane                                   | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Dichloromethane                                           | µg/L | 1           |                                     | 4.000                                                                |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Ethylbenzene                                              | mg/L | 0.0001      |                                     | 0.08                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Hexachlorobutadiene                                       | mg/L | 0.00004     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Isopropylbenzene                                          | mg/L | 0.0001      |                                     | 0.03                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| MTBE                                                      | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| n-butylbenzene                                            | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| n-propylbenzene                                           | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| p-isopropyltoluene                                        | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| sec-butylbenzene                                          | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Styrene                                                   | mg/L | 0.00005     |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Trichloroethene                                           | mg/L | 0.00005     |                                     | 0.33                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| tert-butylbenzene                                         | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Tetrachloroethene                                         | mg/L | 0.00005     |                                     | 0.07                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| trans-1,2-dichloroethene                                  | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| trans-1,3-dichloropropene                                 | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Toluene                                                   | mg/L | 0.0001      |                                     | 0.18                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Trichlorobenzene (total)                                  | mg/L | 0.0001      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Trichlorofluoromethane                                    | mg/L | 0.0005      |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Xylene (m & p)                                            | mg/L | 0.0002      |                                     | 0.075 <sup>#3</sup>                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Xylene (o)                                                | mg/L | 0.0001      |                                     | 0.35                                                                 |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Vinyl chloride                                            | mg/L | 0.0002      |                                     | 0.1                                                                  |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| PFAS                                                      |      |             |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluoropropanesulfonic acid (PFPrS)                     | µg/L | 0.01        |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorobutane sulfonic acid (PFBS)                      | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluoropentane sulfonic acid (PFPeS)                    | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorohexane sulfonic acid (PFHxS)                     | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorooctane sulfonic acid (PFHxS)                     | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorooctane sulfonic acid (PFOS)                      | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorodecane sulfonic acid (PFDS)                      | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorobutanoic acid (PFBA)                             | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorohexanoic acid (PFHxA)                            | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorooctanoic acid (PFPeA)                            | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluoroheptanoic acid (PFHpA)                           | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorooctanoic acid (PFOA)                             | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorodecanoic acid (PFDA)                             | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorododecanoic acid (PFDoDA)                         | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorononanoic acid (PFNA)                             | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorotridecanoic acid (PFTeDA)                        | mg/L | 0.000005    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorotridecanoic acid (PFTeDA)                        | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluoroundecanoic acid (PFUnDA)                         | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 4:2 Fluorotelomer sulfonic acid (4:2 FTS)                 | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS)                 | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS)                 | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| 10:2 Fluorotelomer sulfonic acid (10:2 FTS)               | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorooctane sulfonamide (FOSA)                        | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-Methyl perfluorooctane sulfonamide (MeFOSA)             | mg/L | 0.000005    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)      | mg/L | 0.000005    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-Ethyl perfluorooctane sulfonamide (EtFOSA)              | mg/L | 0.000005    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)  | mg/L | 0.000002    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)       | mg/L | 0.000005    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Perfluorohexadecanoic acid (PFHxDA)                       | µg/L | 0.005       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Sum of PFHxS and PFOS                                     | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Sum of PFAS                                               | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Sum of PFAS (WA DER List)                                 | µg/L | 0.002       |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |
| Sum of PFAS (PFOS + PFOA)                                 | mg/L | 0.000001    |                                     |                                                                      |                               |                               |                                                                    |                                                                    |             |             |             |             |             |             |             |             |             |

Comments  
#1 Adopted As(V) criteria (conservative)  
#2 Adopted Cr(VI) criteria (conservative)  
#3 Adopted Xylene (m) criteria (conservative)  
#4 Refer to Table 8 in PFAS NEMP 2025 for comments and notes  
#5 60µg/L for Old rivers  
#6 To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.  
#7 To obtain F2 subtract naphthalene from the >C10 - C16 fraction.

Environmental Standards  
ANZG, August 2023, ANZG (2018) Freshwater Slightly to Moderately Disturbed Systems DGVS  
HEPA, March 2025, PFAS NEMP 2025 Freshwater 95%  
HEPA, March 2025, PFAS NEMP 2025 Freshwater 99%  
DoE, 2000, ANZECC 2000 SE Aust - Lowland River  
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay

Table G4: Summary of Surface Water Laboratory Results

| Table G4: Summary of Surface Water Laboratory Results |       |          |                                     |                                                                      |                               |                               | Field ID      | SW1                   | SW2                    | SW3                     |
|-------------------------------------------------------|-------|----------|-------------------------------------|----------------------------------------------------------------------|-------------------------------|-------------------------------|---------------|-----------------------|------------------------|-------------------------|
|                                                       |       |          |                                     |                                                                      |                               |                               | Date Location | 15 Apr 2025 Up-Stream | 15 Apr 2025 Mid-Stream | 15 Apr 2025 Down-Stream |
|                                                       | Unit  | PQL      | ANZECC 2000 SE Aust - Lowland River | ANZG (2018) Freshwater Slightly to Moderately Disturbed Systems DGVs | PFAS NEMP 2025 Freshwater 95% | PFAS NEMP 2025 Freshwater 99% |               |                       |                        |                         |
| Inorganics                                            |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| pH (Lab)                                              | -     |          | 6.5-8                               |                                                                      |                               |                               |               | 7.4                   | 7.4                    | 7.4                     |
| Electrical Conductivity (Non Compensated)             | µS/cm | 1        |                                     |                                                                      |                               |                               |               | 190                   | 230                    | 160                     |
| Metals                                                |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| Arsenic                                               | mg/L  | 0.001    |                                     | 0.013 <sup>20</sup>                                                  |                               |                               |               | 0.006                 | 0.003                  | 0.004                   |
| Beryllium                                             | mg/L  | 0.0005   |                                     |                                                                      |                               |                               |               | <0.0005               | <0.0005                | <0.0005                 |
| Boron                                                 | mg/L  | 0.02     |                                     | 0.94                                                                 |                               |                               |               | <0.02                 | <0.02                  | <0.02                   |
| Cadmium                                               | mg/L  | 0.0001   |                                     | 0.0002                                                               |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Chromium (III+VI)                                     | mg/L  | 0.001    |                                     | 0.001 <sup>21</sup>                                                  |                               |                               |               | 0.002                 | 0.001                  | 0.002                   |
| Cobalt                                                | mg/L  | 0.001    |                                     | 0.0014                                                               |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Copper                                                | mg/L  | 0.001    |                                     | 0.0014                                                               |                               |                               |               | 0.013                 | 0.007                  | 0.011                   |
| Lead                                                  | mg/L  | 0.001    |                                     | 0.0034                                                               |                               |                               |               | 0.013                 | 0.006                  | 0.011                   |
| Manganese                                             | mg/L  | 0.005    |                                     | 19                                                                   |                               |                               |               | 0.035                 | 0.066                  | 0.068                   |
| Mercury                                               | mg/L  | 0.00005  |                                     | 0.00006                                                              |                               |                               |               | <0.00005              | <0.00005               | <0.00005                |
| Nickel                                                | mg/L  | 0.001    |                                     | 0.011                                                                |                               |                               |               | 0.002                 | 0.001                  | 0.002                   |
| Selenium                                              | mg/L  | 0.001    |                                     | 0.005                                                                |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Zinc                                                  | mg/L  | 0.001    |                                     | 0.008                                                                |                               |                               |               | 0.088                 | 0.048                  | 0.068                   |
| TRH                                                   |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| C6-C10 Fraction (F1)                                  | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| C6-C10 (F1 minus BTEX)                                | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| >C10-C16 Fraction (F2)                                | mg/L  | 0.05     |                                     |                                                                      |                               |                               |               | <0.05                 | <0.05                  | <0.05                   |
| >C10-C16 Fraction (F2 minus Naphthalene)              | mg/L  | 0.05     |                                     |                                                                      |                               |                               |               | <0.05                 | <0.05                  | <0.05                   |
| >C16-C34 Fraction (F3)                                | mg/L  | 0.1      |                                     |                                                                      |                               |                               |               | <0.1                  | <0.1                   | <0.1                    |
| >C34-C40 Fraction (F4)                                | mg/L  | 0.1      |                                     |                                                                      |                               |                               |               | <0.1                  | <0.1                   | <0.1                    |
| >C10-C40 Fraction (Sum)                               | mg/L  | 0.05     |                                     |                                                                      |                               |                               |               | <0.05                 | <0.05                  | <0.05                   |
| C6-C9 Fraction                                        | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| C10-C14 Fraction                                      | mg/L  | 0.05     |                                     |                                                                      |                               |                               |               | <0.05                 | <0.05                  | <0.05                   |
| C15-C28 Fraction                                      | mg/L  | 0.1      |                                     |                                                                      |                               |                               |               | <0.1                  | <0.1                   | <0.1                    |
| C29-C36 Fraction                                      | mg/L  | 0.1      |                                     |                                                                      |                               |                               |               | <0.1                  | <0.1                   | <0.1                    |
| C10-C36 Fraction (Sum)                                | mg/L  | 0.05     |                                     |                                                                      |                               |                               |               | <0.05                 | <0.05                  | <0.05                   |
| BTEX                                                  |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| Benzene                                               | mg/L  | 0.001    |                                     | 0.95                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Toluene                                               | mg/L  | 0.001    |                                     | 0.18                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Ethylbenzene                                          | mg/L  | 0.001    |                                     | 0.08                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Xylene (m & p)                                        | mg/L  | 0.002    |                                     | 0.075 <sup>21</sup>                                                  |                               |                               |               | <0.002                | <0.002                 | <0.002                  |
| Xylene (o)                                            | mg/L  | 0.001    |                                     | 0.35                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Naphthalene (VOC)                                     | mg/L  | 0.001    |                                     | 0.016                                                                |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| PAH                                                   |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| Acenaphthene                                          | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Acenaphthylene                                        | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Anthracene                                            | mg/L  | 0.0001   |                                     | 0.00001                                                              |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Benzo(a)anthracene                                    | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Benzo(b+j+k)fluoranthene                              | mg/L  | 0.0002   |                                     |                                                                      |                               |                               |               | <0.0002               | <0.0002                | <0.0002                 |
| Benzo(a) pyrene                                       | mg/L  | 0.0001   |                                     | 0.0001                                                               |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Benzo(g,h,i)perylene                                  | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Chrysene                                              | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Dibenz(a,h)anthracene                                 | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Fluoranthene                                          | mg/L  | 0.0001   |                                     | 0.001                                                                |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Fluorene                                              | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Indeno(1,2,3-c,d)pyrene                               | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Naphthalene                                           | mg/L  | 0.0001   |                                     | 0.016                                                                |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Phenanthrene                                          | mg/L  | 0.0001   |                                     | 0.0006                                                               |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| Pyrene                                                | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| PAHs (Sum of positives)                               | mg/L  | 0.0001   |                                     |                                                                      |                               |                               |               | <0.0001               | <0.0001                | <0.0001                 |
| VOCs                                                  |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| 1,1,1,2-tetrachloroethane                             | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1,1-trichloroethane                                 | mg/L  | 0.001    |                                     | 0.27                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1,2,2-tetrachloroethane                             | mg/L  | 0.001    |                                     | 0.4                                                                  |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1,2-trichloroethane                                 | mg/L  | 0.001    |                                     | 6.5                                                                  |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1-dichloroethane                                    | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1-dichloroethene                                    | mg/L  | 0.001    |                                     | 0.7                                                                  |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,1-dichloropropene                                   | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2,3-trichlorobenzene                                | mg/L  | 0.001    |                                     | 0.003                                                                |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2,3-trichloropropane                                | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2,4-trichlorobenzene                                | mg/L  | 0.001    |                                     | 0.085                                                                |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2,4-trimethylbenzene                                | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2-dibromo-3-chloropropane                           | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2-dibromoethane                                     | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2-dichlorobenzene                                   | mg/L  | 0.001    |                                     | 0.16                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2-dichloroethane                                    | mg/L  | 0.001    |                                     | 19                                                                   |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,2-dichloropropane                                   | mg/L  | 0.001    |                                     | 0.9                                                                  |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,3,5-trimethylbenzene                                | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,3-dichlorobenzene                                   | mg/L  | 0.001    |                                     | 0.26                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,3-dichloropropane                                   | mg/L  | 0.001    |                                     | 1.1                                                                  |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 1,4-dichlorobenzene                                   | mg/L  | 0.001    |                                     | 0.06                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 2,2-dichloropropane                                   | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 2-chlorotoluene                                       | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| 4-chlorotoluene                                       | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Bromobenzene                                          | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Bromochloromethane                                    | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Bromodichloromethane                                  | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Bromoform                                             | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Bromomethane                                          | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| Carbon tetrachloride                                  | mg/L  | 0.001    |                                     | 0.24                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Chlorobenzene                                         | mg/L  | 0.001    |                                     | 0.055                                                                |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Chlorodibromomethane                                  | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Chloroethane                                          | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| Chloroform                                            | mg/L  | 0.001    |                                     | 0.37                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Chloromethane                                         | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| cis-1,2-dichloroethene                                | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| cis-1,3-dichloropropene                               | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Cyclohexane                                           | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Dibromomethane                                        | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Dichlorodifluoromethane                               | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| Hexachlorobutadiene                                   | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Isopropylbenzene                                      | mg/L  | 0.001    |                                     | 0.03                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| n-butylbenzene                                        | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| n-propylbenzene                                       | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| p-isopropyltoluene                                    | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| sec-butylbenzene                                      | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Styrene                                               | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Trichloroethene                                       | mg/L  | 0.001    |                                     | 0.33                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| tert-butylbenzene                                     | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Tetrachloroethene                                     | mg/L  | 0.001    |                                     | 0.07                                                                 |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| trans-1,2-dichloroethene                              | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| trans-1,3-dichloropropene                             | mg/L  | 0.001    |                                     |                                                                      |                               |                               |               | <0.001                | <0.001                 | <0.001                  |
| Trichlorofluoromethane                                | mg/L  | 0.01     |                                     |                                                                      |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| Vinyl chloride                                        | mg/L  | 0.01     |                                     | 0.1                                                                  |                               |                               |               | <0.01                 | <0.01                  | <0.01                   |
| PFAS                                                  |       |          |                                     |                                                                      |                               |                               |               |                       |                        |                         |
| Perfluorobutane sulfonic acid (PFBS)                  | mg/L  | 0.000001 |                                     |                                                                      |                               |                               |               | 0.000007              | 0.000006               | 0.000006                |
| Perfluoropentane sulfonic acid (PFPeS)                | mg/L  | 0.000000 |                                     |                                                                      |                               |                               |               |                       |                        |                         |

| Table G5: Summary of Laboratory Results Against Sediment Criteria |         |             |             |                    |        | Organic              |                      | Metals  |         |                   |        |       |         |        | TRH    | PAH   | Organochlorine Pesticides |                         |          |                 |                   |        |        |          |        |                 | PCB                 |
|-------------------------------------------------------------------|---------|-------------|-------------|--------------------|--------|----------------------|----------------------|---------|---------|-------------------|--------|-------|---------|--------|--------|-------|---------------------------|-------------------------|----------|-----------------|-------------------|--------|--------|----------|--------|-----------------|---------------------|
|                                                                   |         |             |             |                    |        | Total Organic Carbon | Total Organic Carbon | Arsenic | Cadmium | Chromium (III+VI) | Copper | Lead  | Mercury | Nickel | Silver | Zinc  | CD-C36 Fraction (Sum)     | PAHs (Sum of positives) | 4,4'-DDE | Chlordane (cis) | Chlordane (trans) | DDD    | DDT    | Dieldrin | Endrin | γ-BHC (Lindane) | PCBs (Sum of total) |
|                                                                   |         |             |             |                    |        | mg/kg                | %                    | mg/kg   | mg/kg   | mg/kg             | mg/kg  | mg/kg | mg/kg   | mg/kg  | mg/kg  | mg/kg | mg/kg                     | mg/kg                   | mg/kg    | mg/kg           | mg/kg             | mg/kg  | mg/kg  | mg/kg    | mg/kg  | mg/kg           | mg/kg               |
| PQL                                                               |         |             |             |                    |        | 100                  | -                    | 4       | 0.4     | 1                 | 1      | 1     | 0.1     | 1      | 1      | 1     | 50                        | 0.05                    | 0.1      | 0.1             | 0.1               | 0.1    | 0.1    | 0.1      | 0.1    | 0.1             | 0.1                 |
| Toxicant DGV for Sediment Quality (ANZG 2018)                     |         |             |             |                    |        |                      |                      | 20      | 15      | 80                | 65     | 50    | 0.15    | 21     | 1      | 200   | 280                       | 10                      | 0.0014   | 0.0345          | 0.0345            | 0.0035 | 0.0012 | 0.0028   | 0.0027 | 0.0029          | 0.034               |
| Toxicant DGV for Sediment Quality (ANZG 2018) CV-high             |         |             |             |                    |        |                      |                      | 70      | 10      | 370               | 270    | 220   | 1       | 52     | 4      | 410   | 550                       | 50                      | 0.007    | 0.009           | 0.009             | 0.009  | 0.005  | 0.007    | 0.06   | 0.0014          | 0.28                |
| Sediment results                                                  |         |             |             |                    |        |                      |                      |         |         |                   |        |       |         |        |        |       |                           |                         |          |                 |                   |        |        |          |        |                 |                     |
| Field ID                                                          | Depth   | Date        | Location    | Matrix Description |        |                      |                      |         |         |                   |        |       |         |        |        |       |                           |                         |          |                 |                   |        |        |          |        |                 |                     |
| SED1                                                              | 0 - 0.1 | 15 Apr 2025 | Up-Stream   | Clayey Silt        | 32,000 | 3.2                  | 9                    | <0.4    | 12      | 19                | 43     | <0.1  | 8       | <1     | 170    | <50   | <0.05                     | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |
| SED2                                                              | 0 - 0.1 | 15 Apr 2025 | Mid-Stream  | Clayey Silt        | 53,000 | 5.3                  | 9                    | <0.4    | 14      | 33                | 47     | <0.1  | 11      | <1     | 270    | 250   | 0.2                       | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |
| SED3                                                              | 0 - 0.1 | 15 Apr 2025 | Down-Stream | Clayey Silt        | 26,000 | 2.6                  | 11                   | <0.4    | 16      | 38                | 59     | <0.1  | 11      | <1     | 190    | <50   | 3.5                       | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |
| Sediment results - normalised to 1% organic carbon as below       |         |             |             |                    |        |                      |                      |         |         |                   |        |       |         |        |        |       |                           |                         |          |                 |                   |        |        |          |        |                 |                     |
| Field ID                                                          | Depth   | Date        | Location    | Matrix Description |        |                      |                      |         |         |                   |        |       |         |        |        |       |                           |                         |          |                 |                   |        |        |          |        |                 |                     |
| SED1                                                              | 0 - 0.1 | 15 Apr 2025 | Up-Stream   | Clayey Silt        | 32,000 | 3.2                  | 9                    | <0.4    | 12      | 19                | 43     | <0.1  | 8       | <1     | 170    | <50   | <0.05                     | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |
| SED2                                                              | 0 - 0.1 | 15 Apr 2025 | Mid-Stream  | Clayey Silt        | 53,000 | 5.3                  | 9                    | <0.4    | 14      | 33                | 47     | <0.1  | 11      | <1     | 270    | 250   | 0.04                      | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |
| SED3                                                              | 0 - 0.1 | 15 Apr 2025 | Down-Stream | Clayey Silt        | 26,000 | 2.6                  | 11                   | <0.4    | 16      | 38                | 59     | <0.1  | 11      | <1     | 190    | <50   | 1.35                      | <0.1                    | <0.1     | <0.1            | <0.1              | <0.1   | <0.1   | <0.1     | <0.1   | <0.1            | <0.1                |

**Environmental Standards**  
ANZECC & ARMCANZ 2000, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand, Canberra, 2020, Toxicant DGV for Sediment Quality (ANZG 2018)  
ANZECC & ARMCANZ 2000, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand, Canberra, 2020, Toxicant DGV for Sediment Quality (ANZG 2018) CV-high

## **CERTIFICATE OF ANALYSIS 378428**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.00 - Gloucester</u></b> |
| <b>Number of Samples</b>                    | 3 Water                              |
| <b>Date samples received</b>                | 16/04/2025                           |
| <b>Date completed instructions received</b> | 16/04/2024                           |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.  
 Samples were analysed as received from the client. Results relate specifically to the samples as received.  
 Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 28/04/2025 |
| <b>Date of Issue</b>                                                                                        | 28/04/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Dragana Tomas, Senior Chemist  
 Giovanni Agosti, Group Technical Manager  
 Priya Samarawickrama, Senior Chemist  
 Timothy Toll, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

| vTRH(C6-C10)/BTEXN in Water                         |       |            |            |            |
|-----------------------------------------------------|-------|------------|------------|------------|
| Our Reference                                       |       | 378428-1   | 378428-2   | 378428-3   |
| Your Reference                                      | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                                        |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                      |       | Water      | Water      | Water      |
| Date extracted                                      | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| Date analysed                                       | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | <10        | <10        | <10        |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | <10        | <10        | <10        |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | <10        | <10        | <10        |
| Benzene                                             | µg/L  | <1         | <1         | <1         |
| Toluene                                             | µg/L  | <1         | <1         | <1         |
| Ethylbenzene                                        | µg/L  | <1         | <1         | <1         |
| m+p-xylene                                          | µg/L  | <2         | <2         | <2         |
| o-xylene                                            | µg/L  | <1         | <1         | <1         |
| Naphthalene                                         | µg/L  | <1         | <1         | <1         |
| Surrogate Dibromofluoromethane                      | %     | 93         | 93         | 95         |
| Surrogate Toluene-d8                                | %     | 95         | 95         | 93         |
| Surrogate 4-Bromofluorobenzene                      | %     | 107        | 108        | 108        |

| svTRH (C10-C40) in Water                                     |       |            |            |            |
|--------------------------------------------------------------|-------|------------|------------|------------|
| Our Reference                                                |       | 378428-1   | 378428-2   | 378428-3   |
| Your Reference                                               | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                                                 |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                               |       | Water      | Water      | Water      |
| Date extracted                                               | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| Date analysed                                                | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | <50        | <50        | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | <100       | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       | <100       | <100       |
| Total +ve TRH (C10-C36)                                      | µg/L  | <50        | <50        | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | <50        | <50        | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | <50        | <50        | <50        |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       | <100       | <100       |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                     | µg/L  | <50        | <50        | <50        |
| Surrogate o-Terphenyl                                        | %     | 85         | 85         | 104        |

| PAHs in Water                     |       |            |            |            |
|-----------------------------------|-------|------------|------------|------------|
| Our Reference                     |       | 378428-1   | 378428-2   | 378428-3   |
| Your Reference                    | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                      |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                    |       | Water      | Water      | Water      |
| Date extracted                    | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| Date analysed                     | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| Naphthalene                       | µg/L  | <0.1       | <0.1       | <0.1       |
| Acenaphthylene                    | µg/L  | <0.1       | <0.1       | <0.1       |
| Acenaphthene                      | µg/L  | <0.1       | <0.1       | <0.1       |
| Fluorene                          | µg/L  | <0.1       | <0.1       | <0.1       |
| Phenanthrene                      | µg/L  | <0.1       | <0.1       | <0.1       |
| Anthracene                        | µg/L  | <0.1       | <0.1       | <0.1       |
| Fluoranthene                      | µg/L  | <0.1       | <0.1       | <0.1       |
| Pyrene                            | µg/L  | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene                | µg/L  | <0.1       | <0.1       | <0.1       |
| Chrysene                          | µg/L  | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | µg/L  | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                    | µg/L  | <0.1       | <0.1       | <0.1       |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | µg/L  | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | µg/L  | <0.1       | <0.1       | <0.1       |
| Benzo(a)pyrene TEQ                | µg/L  | <0.5       | <0.5       | <0.5       |
| Total +ve PAH's                   | µg/L  | <0.1       | <0.1       | <0.1       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 87         | 93         | 86         |

| All metals in water - total |       |            |            |            |
|-----------------------------|-------|------------|------------|------------|
| Our Reference               |       | 378428-1   | 378428-2   | 378428-3   |
| Your Reference              | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample              |       | Water      | Water      | Water      |
| Date prepared               | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed               | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Arsenic-Total               | µg/L  | 6          | 3          | 4          |
| Beryllium-Total             | µg/L  | <0.5       | <0.5       | <0.5       |
| Boron-Total                 | µg/L  | <20        | <20        | <20        |
| Cadmium-Total               | µg/L  | <0.1       | <0.1       | <0.1       |
| Chromium-Total              | µg/L  | 2          | 1          | 2          |
| Cobalt-Total                | µg/L  | <1         | <1         | <1         |
| Copper-Total                | µg/L  | 13         | 7          | 11         |
| Lead-Total                  | µg/L  | 13         | 6          | 11         |
| Manganese-Total             | µg/L  | 35         | 66         | 68         |
| Mercury-Total               | µg/L  | <0.05      | <0.05      | <0.05      |
| Nickel-Total                | µg/L  | 2          | 1          | 2          |
| Selenium-Total              | µg/L  | <1         | <1         | <1         |
| Zinc-Total                  | µg/L  | 88         | 48         | 68         |

| Miscellaneous Inorganics |          |            |            |            |
|--------------------------|----------|------------|------------|------------|
| Our Reference            |          | 378428-1   | 378428-2   | 378428-3   |
| Your Reference           | UNITS    | SW1        | SW2        | SW3        |
| Date Sampled             |          | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample           |          | Water      | Water      | Water      |
| Date prepared            | -        | 16/04/2025 | 16/04/2025 | 16/04/2025 |
| Date analysed            | -        | 16/04/2025 | 16/04/2025 | 16/04/2025 |
| pH                       | pH Units | 7.4        | 7.4        | 7.4        |
| Electrical Conductivity  | µS/cm    | 190        | 230        | 160        |

| Method ID          | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inorg-001</b>   | pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.                                                                                                                                                                                                                                                                              |
| <b>Inorg-002</b>   | Conductivity and Salinity - measured using a conductivity cell.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Metals-021</b>  | Determination of Mercury by Cold Vapour AAS.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Metals-022</b>  | <p>Determination of various metals by ICP-MS.</p> <p>Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements.</p> <p>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.</p> |
| <b>Org-020</b>     | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.                                                                                                                                         |
| <b>Org-022/025</b> | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.                                                                                                                                                                                                                  |
| <b>Org-023</b>     | Water samples are analysed directly by purge and trap GC-MS.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Org-023</b>     | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.                                                                                                                                                                        |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |      |
|----------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                             | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-W1     | [NT] |
| Date extracted                               | -     |     |         | 17/04/2025 | 1         | 17/04/2025 | 23/04/2025 |                  | 17/04/2025 | [NT] |
| Date analysed                                | -     |     |         | 22/04/2025 | 1         | 22/04/2025 | 24/04/2025 |                  | 22/04/2025 | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>          | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | 114        | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>         | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | 114        | [NT] |
| Benzene                                      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 109        | [NT] |
| Toluene                                      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 111        | [NT] |
| Ethylbenzene                                 | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 118        | [NT] |
| m+p-xylene                                   | µg/L  | 2   | Org-023 | <2         | 1         | <2         | <2         | 0                | 117        | [NT] |
| o-xylene                                     | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 118        | [NT] |
| Naphthalene                                  | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Surrogate Dibromofluoromethane               | %     |     | Org-023 | 112        | 1         | 93         | 100        | 7                | 92         | [NT] |
| Surrogate Toluene-d8                         | %     |     | Org-023 | 97         | 1         | 95         | 99         | 4                | 92         | [NT] |
| Surrogate 4-Bromofluorobenzene               | %     |     | Org-023 | 102        | 1         | 107        | 96         | 11               | 100        | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                            | -     |     |         | 17/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 17/04/2025 | [NT] |
| Date analysed                             | -     |     |         | 17/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 17/04/2025 | [NT] |
| TRH C <sub>10</sub> - C <sub>14</sub>     | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 137        | [NT] |
| TRH C <sub>15</sub> - C <sub>28</sub>     | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 133        | [NT] |
| TRH C <sub>29</sub> - C <sub>36</sub>     | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 129        | [NT] |
| TRH >C <sub>10</sub> - C <sub>16</sub>    | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 137        | [NT] |
| TRH >C <sub>16</sub> - C <sub>34</sub>    | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 133        | [NT] |
| TRH >C <sub>34</sub> - C <sub>40</sub>    | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 129        | [NT] |
| Surrogate o-Terphenyl                     | %     |     | Org-020 | 116        | [NT]      | [NT] | [NT] | [NT]             | 121        | [NT] |

| QUALITY CONTROL: PAHs in Water |       |     |             |            | Duplicate |      |      |      | Spike Recovery % |      |
|--------------------------------|-------|-----|-------------|------------|-----------|------|------|------|------------------|------|
| Test Description               | Units | PQL | Method      | Blank      | #         | Base | Dup. | RPD  | LCS-W1           | [NT] |
| Date extracted                 | -     |     |             | 17/04/2025 | [NT]      | [NT] | [NT] | [NT] | 17/04/2025       | [NT] |
| Date analysed                  | -     |     |             | 17/04/2025 | [NT]      | [NT] | [NT] | [NT] | 17/04/2025       | [NT] |
| Naphthalene                    | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 76               | [NT] |
| Acenaphthylene                 | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Acenaphthene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 77               | [NT] |
| Fluorene                       | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 77               | [NT] |
| Phenanthrene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 84               | [NT] |
| Anthracene                     | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Fluoranthene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 86               | [NT] |
| Pyrene                         | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 79               | [NT] |
| Benzo(a)anthracene             | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Chrysene                       | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 79               | [NT] |
| Benzo(b,j+k)fluoranthene       | µg/L  | 0.2 | Org-022/025 | <0.2       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Benzo(a)pyrene                 | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 107              | [NT] |
| Indeno(1,2,3-c,d)pyrene        | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Dibenzo(a,h)anthracene         | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Benzo(g,h,i)perylene           | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Surrogate p-Terphenyl-d14      | %     |     | Org-022/025 | 81         | [NT]      | [NT] | [NT] | [NT] | 89               | [NT] |

| QUALITY CONTROL: All metals in water - total |       |      |            |            |   | Duplicate  |            |     | Spike Recovery % |      |
|----------------------------------------------|-------|------|------------|------------|---|------------|------------|-----|------------------|------|
| Test Description                             | Units | PQL  | Method     | Blank      | # | Base       | Dup.       | RPD | LCS-W4           | [NT] |
| Date prepared                                | -     |      |            | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |     | 22/04/2025       | [NT] |
| Date analysed                                | -     |      |            | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |     | 22/04/2025       | [NT] |
| Arsenic-Total                                | µg/L  | 1    | Metals-022 | <1         | 2 | 3          | 4          | 29  | 103              | [NT] |
| Beryllium-Total                              | µg/L  | 0.5  | Metals-022 | <0.5       | 2 | <0.5       | <0.5       | 0   | 90               | [NT] |
| Boron-Total                                  | µg/L  | 20   | Metals-022 | <20        | 2 | <20        | <20        | 0   | 86               | [NT] |
| Cadmium-Total                                | µg/L  | 0.1  | Metals-022 | <0.1       | 2 | <0.1       | <0.1       | 0   | 101              | [NT] |
| Chromium-Total                               | µg/L  | 1    | Metals-022 | <1         | 2 | 1          | 1          | 0   | 94               | [NT] |
| Cobalt-Total                                 | µg/L  | 1    | Metals-022 | <1         | 2 | <1         | <1         | 0   | 97               | [NT] |
| Copper-Total                                 | µg/L  | 1    | Metals-022 | <1         | 2 | 7          | 8          | 13  | 99               | [NT] |
| Lead-Total                                   | µg/L  | 1    | Metals-022 | <1         | 2 | 6          | 6          | 0   | 107              | [NT] |
| Manganese-Total                              | µg/L  | 5    | Metals-022 | <5         | 2 | 66         | 69         | 4   | 92               | [NT] |
| Mercury-Total                                | µg/L  | 0.05 | Metals-021 | <0.05      | 2 | <0.05      | [NT]       |     | 106              | [NT] |
| Nickel-Total                                 | µg/L  | 1    | Metals-022 | <1         | 2 | 1          | 2          | 67  | 97               | [NT] |
| Selenium-Total                               | µg/L  | 1    | Metals-022 | <1         | 2 | <1         | <1         | 0   | 101              | [NT] |
| Zinc-Total                                   | µg/L  | 1    | Metals-022 | <1         | 2 | 48         | 49         | 2   | 96               | [NT] |

| QUALITY CONTROL: Miscellaneous Inorganics |          |     |           |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------------------|----------|-----|-----------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units    | PQL | Method    | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date prepared                             | -        |     |           | 16/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 16/04/2025 | [NT] |
| Date analysed                             | -        |     |           | 16/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 16/04/2025 | [NT] |
| pH                                        | pH Units |     | Inorg-001 | [NT]       | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |
| Electrical Conductivity                   | µS/cm    | 1   | Inorg-002 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                                                                                                                                                                                                                                                   | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                                                                                                                                                                                                                                               | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                                                                                                                                                                                                                                            | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b>                                                                                                                                                                                                                         | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                                                                                                                                                                                                                                         | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |
| Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.     |                                                                                                                                                                                                                                  |
| The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016. |                                                                                                                                                                                                                                  |
| Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2                                                                                                                         |                                                                                                                                                                                                                                  |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

## **CERTIFICATE OF ANALYSIS 378428-A**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.00 - Gloucester</u></b> |
| <b>Number of Samples</b>                    | Additional analysis                  |
| <b>Date samples received</b>                | 16/04/2025                           |
| <b>Date completed instructions received</b> | 28/04/2024                           |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 05/05/2025 |
| <b>Date of Issue</b>                                                                                        | 05/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Dragana Tomas, Senior Chemist  
 Sean McAlary, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

| VOCs in water             |       |            |            |            |
|---------------------------|-------|------------|------------|------------|
| Our Reference             |       | 378428-A-1 | 378428-A-2 | 378428-A-3 |
| Your Reference            | UNITS | SW1        | SW2        | SW3        |
| Date Sampled              |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample            |       | Water      | Water      | Water      |
| Date Extracted            | -     | 17/04/2025 | 17/04/2025 | 17/04/2025 |
| Date Analysed             | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| Dichlorodifluoromethane   | µg/L  | <10        | <10        | <10        |
| Chloromethane             | µg/L  | <10        | <10        | <10        |
| Vinyl Chloride            | µg/L  | <10        | <10        | <10        |
| Bromomethane              | µg/L  | <10        | <10        | <10        |
| Chloroethane              | µg/L  | <10        | <10        | <10        |
| Trichlorofluoromethane    | µg/L  | <10        | <10        | <10        |
| 1,1-Dichloroethene        | µg/L  | <1         | <1         | <1         |
| Trans-1,2-dichloroethene  | µg/L  | <1         | <1         | <1         |
| 1,1-dichloroethane        | µg/L  | <1         | <1         | <1         |
| Cis-1,2-dichloroethene    | µg/L  | <1         | <1         | <1         |
| Bromochloromethane        | µg/L  | <1         | <1         | <1         |
| Chloroform                | µg/L  | <1         | <1         | <1         |
| 2,2-dichloropropane       | µg/L  | <1         | <1         | <1         |
| 1,2-dichloroethane        | µg/L  | <1         | <1         | <1         |
| 1,1,1-trichloroethane     | µg/L  | <1         | <1         | <1         |
| 1,1-dichloropropene       | µg/L  | <1         | <1         | <1         |
| Cyclohexane               | µg/L  | <1         | <1         | <1         |
| Carbon tetrachloride      | µg/L  | <1         | <1         | <1         |
| Benzene                   | µg/L  | <1         | <1         | <1         |
| Dibromomethane            | µg/L  | <1         | <1         | <1         |
| 1,2-dichloropropane       | µg/L  | <1         | <1         | <1         |
| Trichloroethene           | µg/L  | <1         | <1         | <1         |
| Bromodichloromethane      | µg/L  | <1         | <1         | <1         |
| trans-1,3-dichloropropene | µg/L  | <1         | <1         | <1         |
| cis-1,3-dichloropropene   | µg/L  | <1         | <1         | <1         |
| 1,1,2-trichloroethane     | µg/L  | <1         | <1         | <1         |
| Toluene                   | µg/L  | <1         | <1         | <1         |
| 1,3-dichloropropane       | µg/L  | <1         | <1         | <1         |
| Dibromochloromethane      | µg/L  | <1         | <1         | <1         |
| 1,2-dibromoethane         | µg/L  | <1         | <1         | <1         |
| Tetrachloroethene         | µg/L  | <1         | <1         | <1         |
| 1,1,1,2-tetrachloroethane | µg/L  | <1         | <1         | <1         |
| Chlorobenzene             | µg/L  | <1         | <1         | <1         |
| Ethylbenzene              | µg/L  | <1         | <1         | <1         |

| VOCs in water                  |       |            |            |            |
|--------------------------------|-------|------------|------------|------------|
| Our Reference                  |       | 378428-A-1 | 378428-A-2 | 378428-A-3 |
| Your Reference                 | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                   |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                 |       | Water      | Water      | Water      |
| Bromoform                      | µg/L  | <1         | <1         | <1         |
| m+p-xylene                     | µg/L  | <2         | <2         | <2         |
| Styrene                        | µg/L  | <1         | <1         | <1         |
| 1,1,2,2-tetrachloroethane      | µg/L  | <1         | <1         | <1         |
| o-xylene                       | µg/L  | <1         | <1         | <1         |
| 1,2,3-trichloropropane         | µg/L  | <1         | <1         | <1         |
| Isopropylbenzene               | µg/L  | <1         | <1         | <1         |
| Bromobenzene                   | µg/L  | <1         | <1         | <1         |
| n-propyl benzene               | µg/L  | <1         | <1         | <1         |
| 2-chlorotoluene                | µg/L  | <1         | <1         | <1         |
| 4-chlorotoluene                | µg/L  | <1         | <1         | <1         |
| 1,3,5-trimethyl benzene        | µg/L  | <1         | <1         | <1         |
| Tert-butyl benzene             | µg/L  | <1         | <1         | <1         |
| 1,2,4-trimethyl benzene        | µg/L  | <1         | <1         | <1         |
| 1,3-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| Sec-butyl benzene              | µg/L  | <1         | <1         | <1         |
| 1,4-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| 4-isopropyl toluene            | µg/L  | <1         | <1         | <1         |
| 1,2-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| n-butyl benzene                | µg/L  | <1         | <1         | <1         |
| 1,2-dibromo-3-chloropropane    | µg/L  | <1         | <1         | <1         |
| 1,2,4-trichlorobenzene         | µg/L  | <1         | <1         | <1         |
| Hexachlorobutadiene            | µg/L  | <1         | <1         | <1         |
| 1,2,3-trichlorobenzene         | µg/L  | <1         | <1         | <1         |
| Surrogate Dibromofluoromethane | %     | 98         | 98         | 100        |
| Surrogate Toluene-d8           | %     | 99         | 99         | 97         |
| Surrogate 4-Bromofluorobenzene | %     | 97         | 98         | 98         |

## PFAS in Water LOW LEVEL Extend

| Our Reference                                     |       | 378428-A-1 | 378428-A-2 | 378428-A-3 |
|---------------------------------------------------|-------|------------|------------|------------|
| Your Reference                                    | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                                      |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                    |       | Water      | Water      | Water      |
| Date prepared                                     | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                                     | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Perfluorobutanesulfonic acid                      | µg/L  | 0.007      | 0.006      | 0.006      |
| Perfluoropentanesulfonic acid                     | µg/L  | 0.004      | 0.003      | 0.003      |
| Perfluorohexanesulfonic acid - PFHxS              | µg/L  | 0.039      | 0.029      | 0.029      |
| Perfluoroheptanesulfonic acid                     | µg/L  | 0.002      | 0.002      | 0.002      |
| Perfluorooctanesulfonic acid PFOS                 | µg/L  | 0.080      | 0.054      | 0.058      |
| Perfluorodecanesulfonic acid                      | µg/L  | <0.002     | <0.002     | <0.002     |
| Perfluorobutanoic acid                            | µg/L  | <0.02      | <0.02      | <0.02      |
| Perfluoropentanoic acid                           | µg/L  | 0.02       | 0.01       | 0.02       |
| Perfluorohexanoic acid                            | µg/L  | 0.012      | 0.01       | 0.01       |
| Perfluoroheptanoic acid                           | µg/L  | 0.007      | 0.005      | 0.006      |
| Perfluorooctanoic acid PFOA                       | µg/L  | 0.006      | 0.005      | 0.005      |
| Perfluorononanoic acid                            | µg/L  | 0.002      | 0.002      | 0.002      |
| Perfluorodecanoic acid                            | µg/L  | <0.002     | <0.002     | <0.002     |
| Perfluoroundecanoic acid                          | µg/L  | <0.002     | <0.002     | <0.002     |
| Perfluorododecanoic acid                          | µg/L  | <0.005     | <0.005     | <0.005     |
| Perfluorotridecanoic acid                         | µg/L  | <0.01      | <0.01      | <0.01      |
| Perfluorotetradecanoic acid                       | µg/L  | <0.05      | <0.05      | <0.05      |
| 4:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     |
| 6:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     |
| 8:2 FTS                                           | µg/L  | <0.002     | <0.002     | <0.002     |
| 10:2 FTS                                          | µg/L  | <0.002     | <0.002     | <0.002     |
| Perfluorooctane sulfonamide                       | µg/L  | <0.01      | <0.01      | <0.01      |
| N-Methyl perfluorooctane sulfonamide              | µg/L  | <0.05      | <0.05      | <0.05      |
| N-Ethyl perfluorooctanesulfonamide                | µg/L  | <0.1       | <0.1       | <0.1       |
| N-Me perfluorooctanesulfonamid oethanol           | µg/L  | <0.05      | <0.05      | <0.05      |
| N-Et perfluorooctanesulfonamid oethanol           | µg/L  | <0.5       | <0.5       | <0.5       |
| MePerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     | <0.002     | <0.002     |
| EtPerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     | <0.002     | <0.002     |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 104        | 101        | 101        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 104        | 102        | 102        |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 66         | 59         | 61         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 138        | 141        | 137        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 110        | 114        | 111        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA  | %     | 22         | 22         | 25         |

| PFAS in Water LOW LEVEL Extend                     |       |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|
| Our Reference                                      |       | 378428-A-1 | 378428-A-2 | 378428-A-3 |
| Your Reference                                     | UNITS | SW1        | SW2        | SW3        |
| Date Sampled                                       |       | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                     |       | Water      | Water      | Water      |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 48         | 49         | 49         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 68         | 69         | 71         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 83         | 85         | 82         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 113        | 118        | 115        |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 124        | 131        | 124        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 161        | 161        | 159        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 154        | 156        | 154        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 131        | 138        | 134        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 170        | 168        | 163        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 131        | 139        | 140        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | #          | #          | #          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | #          | #          | #          |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 91         | 90         | 85         |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 109        | 105        | 107        |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 107        | 103        | 107        |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 110        | 105        | 107        |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 108        | 103        | 108        |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | #          | 184        | 186        |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | #          | #          | #          |
| Total Positive PFHxS & PFOS                        | µg/L  | 0.12       | 0.083      | 0.087      |
| Total Positive PFOA & PFOS                         | µg/L  | 0.087      | 0.059      | 0.063      |
| Total Positive PFAS                                | µg/L  | 0.18       | 0.13       | 0.14       |

| Method ID      | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Org-023</b> | Water samples are analysed directly by purge and trap GC-MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Org-029</b> | <p>Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3.</p> <p>Analysis is undertaken with LC-MS/MS.</p> <p>PFAS results include the sum of branched and linear isomers where applicable.</p> <p>Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components.</p> <p>Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.</p> |

| QUALITY CONTROL: VOCs in water |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |      |
|--------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description               | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-W1     | [NT] |
| Date Extracted                 | -     |     |         | 17/04/2025 | 1         | 17/04/2025 | 23/04/2025 |                  | 17/04/2025 | [NT] |
| Date Analysed                  | -     |     |         | 05/05/2025 | 1         | 05/05/2025 | 24/04/2025 |                  | 05/05/2025 | [NT] |
| Dichlorodifluoromethane        | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| Chloromethane                  | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| Vinyl Chloride                 | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| Bromomethane                   | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| Chloroethane                   | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| Trichlorofluoromethane         | µg/L  | 10  | Org-023 | <10        | 1         | <10        | <10        | 0                | [NT]       | [NT] |
| 1,1-Dichloroethene             | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Trans-1,2-dichloroethene       | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| 1,1-dichloroethane             | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 111        | [NT] |
| Cis-1,2-dichloroethene         | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Bromochloromethane             | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Chloroform                     | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 115        | [NT] |
| 2,2-dichloropropane            | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| 1,2-dichloroethane             | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 114        | [NT] |
| 1,1,1-trichloroethane          | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 113        | [NT] |
| 1,1-dichloropropene            | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Cyclohexane                    | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Carbon tetrachloride           | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Benzene                        | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 114        | [NT] |
| Dibromomethane                 | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| 1,2-dichloropropane            | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Trichloroethene                | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 113        | [NT] |
| Bromodichloromethane           | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 117        | [NT] |
| trans-1,3-dichloropropene      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| cis-1,3-dichloropropene        | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| 1,1,2-trichloroethane          | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Toluene                        | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 115        | [NT] |
| 1,3-dichloropropane            | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Dibromochloromethane           | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 120        | [NT] |
| 1,2-dibromoethane              | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Tetrachloroethene              | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 118        | [NT] |
| 1,1,1,2-tetrachloroethane      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Chlorobenzene                  | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| Ethylbenzene                   | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | 122        | [NT] |
| Bromoform                      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| m+p-xylene                     | µg/L  | 2   | Org-023 | <2         | 1         | <2         | <2         | 0                | 120        | [NT] |
| Styrene                        | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |
| 1,1,2,2-tetrachloroethane      | µg/L  | 1   | Org-023 | <1         | 1         | <1         | <1         | 0                | [NT]       | [NT] |

| QUALITY CONTROL: VOCs in water |       |     |         |       | Duplicate |      |      | Spike Recovery % |        |      |
|--------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|--------|------|
| Test Description               | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-W1 | [NT] |
| o-xylene                       | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | 121    | [NT] |
| 1,2,3-trichloropropane         | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Isopropylbenzene               | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Bromobenzene                   | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| n-propyl benzene               | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 2-chlorotoluene                | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 4-chlorotoluene                | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,3,5-trimethyl benzene        | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Tert-butyl benzene             | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,2,4-trimethyl benzene        | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,3-dichlorobenzene            | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Sec-butyl benzene              | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,4-dichlorobenzene            | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 4-isopropyl toluene            | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,2-dichlorobenzene            | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| n-butyl benzene                | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,2-dibromo-3-chloropropane    | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,2,4-trichlorobenzene         | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Hexachlorobutadiene            | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| 1,2,3-trichlorobenzene         | µg/L  | 1   | Org-023 | <1    | 1         | <1   | <1   | 0                | [NT]   | [NT] |
| Surrogate Dibromofluoromethane | %     |     | Org-023 | 108   | 1         | 98   | 100  | 2                | 90     | [NT] |
| Surrogate Toluene-d8           | %     |     | Org-023 | 98    | 1         | 99   | 99   | 0                | 90     | [NT] |
| Surrogate 4-Bromofluorobenzene | %     |     | Org-023 | 101   | 1         | 97   | 96   | 1                | 98     | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |       |         |            |      | Duplicate |      | Spike Recovery % |            |      |
|-------------------------------------------------|-------|-------|---------|------------|------|-----------|------|------------------|------------|------|
| Test Description                                | Units | PQL   | Method  | Blank      | #    | Base      | Dup. | RPD              | LCS-W1     | [NT] |
| Date prepared                                   | -     |       |         | 01/05/2025 | [NT] | [NT]      | [NT] | [NT]             | 01/05/2025 | [NT] |
| Date analysed                                   | -     |       |         | 01/05/2025 | [NT] | [NT]      | [NT] | [NT]             | 01/05/2025 | [NT] |
| Perfluorobutanesulfonic acid                    | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 104        | [NT] |
| Perfluoropentanesulfonic acid                   | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 93         | [NT] |
| Perfluorohexanesulfonic acid - PFHxS            | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 98         | [NT] |
| Perfluoroheptanesulfonic acid                   | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 81         | [NT] |
| Perfluorooctanesulfonic acid PFOS               | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 99         | [NT] |
| Perfluorodecanesulfonic acid                    | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 82         | [NT] |
| Perfluorobutanoic acid                          | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 106        | [NT] |
| Perfluoropentanoic acid                         | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 92         | [NT] |
| Perfluorohexanoic acid                          | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 104        | [NT] |
| Perfluoroheptanoic acid                         | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 104        | [NT] |
| Perfluorooctanoic acid PFOA                     | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 102        | [NT] |
| Perfluorononanoic acid                          | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 84         | [NT] |
| Perfluorodecanoic acid                          | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 97         | [NT] |
| Perfluoroundecanoic acid                        | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 100        | [NT] |
| Perfluorododecanoic acid                        | µg/L  | 0.005 | Org-029 | <0.005     | [NT] | [NT]      | [NT] | [NT]             | 101        | [NT] |
| Perfluorotridecanoic acid                       | µg/L  | 0.01  | Org-029 | <0.01      | [NT] | [NT]      | [NT] | [NT]             | 138        | [NT] |
| Perfluorotetradecanoic acid                     | µg/L  | 0.05  | Org-029 | <0.05      | [NT] | [NT]      | [NT] | [NT]             | 88         | [NT] |
| 4:2 FTS                                         | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 99         | [NT] |
| 6:2 FTS                                         | µg/L  | 0.001 | Org-029 | <0.001     | [NT] | [NT]      | [NT] | [NT]             | 100        | [NT] |
| 8:2 FTS                                         | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 94         | [NT] |
| 10:2 FTS                                        | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 89         | [NT] |
| Perfluorooctane sulfonamide                     | µg/L  | 0.01  | Org-029 | <0.01      | [NT] | [NT]      | [NT] | [NT]             | 108        | [NT] |
| N-Methyl perfluorooctane sulfonamide            | µg/L  | 0.05  | Org-029 | <0.05      | [NT] | [NT]      | [NT] | [NT]             | 124        | [NT] |
| N-Ethyl perfluorooctanesulfonamide              | µg/L  | 0.1   | Org-029 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 122        | [NT] |
| N-Me perfluorooctanesulfonamidethanol           | µg/L  | 0.05  | Org-029 | <0.05      | [NT] | [NT]      | [NT] | [NT]             | 108        | [NT] |
| N-Et perfluorooctanesulfonamidethanol           | µg/L  | 0.5   | Org-029 | <0.5       | [NT] | [NT]      | [NT] | [NT]             | 111        | [NT] |
| MePerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 99         | [NT] |
| EtPerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | <0.002     | [NT] | [NT]      | [NT] | [NT]             | 110        | [NT] |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS     | %     |       | Org-029 | 101        | [NT] | [NT]      | [NT] | [NT]             | 97         | [NT] |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA     | %     |       | Org-029 | 102        | [NT] | [NT]      | [NT] | [NT]             | 108        | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend    |       |     |         |       |      | Duplicate |      |      | Spike Recovery % |      |
|----------------------------------------------------|-------|-----|---------|-------|------|-----------|------|------|------------------|------|
| Test Description                                   | Units | PQL | Method  | Blank | #    | Base      | Dup. | RPD  | LCS-W1           | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     |     | Org-029 | 65    | [NT] | [NT]      | [NT] | [NT] | 65               | [NT] |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     |     | Org-029 | 95    | [NT] | [NT]      | [NT] | [NT] | 100              | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     |     | Org-029 | 76    | [NT] | [NT]      | [NT] | [NT] | 83               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     |     | Org-029 | 87    | [NT] | [NT]      | [NT] | [NT] | 87               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     |     | Org-029 | 76    | [NT] | [NT]      | [NT] | [NT] | 80               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     |     | Org-029 | 78    | [NT] | [NT]      | [NT] | [NT] | 81               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     |     | Org-029 | 86    | [NT] | [NT]      | [NT] | [NT] | 85               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     |     | Org-029 | 94    | [NT] | [NT]      | [NT] | [NT] | 92               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     |     | Org-029 | 96    | [NT] | [NT]      | [NT] | [NT] | 97               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     |     | Org-029 | 95    | [NT] | [NT]      | [NT] | [NT] | 99               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     |     | Org-029 | 90    | [NT] | [NT]      | [NT] | [NT] | 89               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     |     | Org-029 | 84    | [NT] | [NT]      | [NT] | [NT] | 92               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     |     | Org-029 | 61    | [NT] | [NT]      | [NT] | [NT] | 63               | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     |     | Org-029 | 169   | [NT] | [NT]      | [NT] | [NT] | 171              | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     |     | Org-029 | 122   | [NT] | [NT]      | [NT] | [NT] | 129              | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     |     | Org-029 | 173   | [NT] | [NT]      | [NT] | [NT] | 182              | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     |     | Org-029 | 87    | [NT] | [NT]      | [NT] | [NT] | 80               | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     |     | Org-029 | 106   | [NT] | [NT]      | [NT] | [NT] | 99               | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     |     | Org-029 | 106   | [NT] | [NT]      | [NT] | [NT] | 102              | [NT] |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     |     | Org-029 | 111   | [NT] | [NT]      | [NT] | [NT] | 107              | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |     |         |       |      | Duplicate |      |      | Spike Recovery % |      |
|-------------------------------------------------|-------|-----|---------|-------|------|-----------|------|------|------------------|------|
| Test Description                                | Units | PQL | Method  | Blank | #    | Base      | Dup. | RPD  | LCS-W1           | [NT] |
| Extracted ISTD d <sub>9</sub> N EtFOSE          | %     |     | Org-029 | 109   | [NT] | [NT]      | [NT] | [NT] | 106              | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSAA         | %     |     | Org-029 | 126   | [NT] | [NT]      | [NT] | [NT] | 131              | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSAA         | %     |     | Org-029 | 157   | [NT] | [NT]      | [NT] | [NT] | 153              | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

## **CERTIFICATE OF ANALYSIS 378586**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                    |
|---------------------------------------------|------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 Gloucester</u></b> |
| <b>Number of Samples</b>                    | 17 Soil                            |
| <b>Date samples received</b>                | 17/04/2025                         |
| <b>Date completed instructions received</b> | 17/04/2025                         |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.  
 Samples were analysed as received from the client. Results relate specifically to the samples as received.  
 Results are reported on a dry weight basis for solids and on an as received basis for other matrices.  
**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 29/04/2025 |
| <b>Date of Issue</b>                                                                                        | 28/04/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Dragana Tomas, Senior Chemist  
 Giovanni Agosti, Group Technical Manager  
 Priya Samarawickrama, Senior Chemist  
 Sean McAlary, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

## VOCs in soil - Low Level

| Our Reference             |       | 378586-2   | 378586-5   | 378586-10  | 378586-13  | 378586-14  |
|---------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference            | UNITS | 302        | 303        | 306        | SED1       | SED2       |
| Depth                     |       | 2.0        | 2.0        | 2.5        | 0-0.1      | 0-0.1      |
| Date Sampled              |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample            |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date Extracted            | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date Analysed             | -     | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 |
| Dichlorodifluoromethane   | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Chloromethane             | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Vinyl Chloride            | mg/kg | <0.3       | <0.3       | <0.3       | <0.3       | <0.3       |
| Bromomethane              | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Chloroethane              | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Trichlorofluoromethane    | mg/kg | <0.7       | <0.7       | <0.7       | <0.7       | <0.7       |
| 1,1-Dichloroethene        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| trans-1,2-Dichloroethene  | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1-Dichloroethane        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| cis-1,2-Dichloroethene    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromochloromethane        | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Chloroform                | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 2,2-Dichloropropane       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-Dichloroethane        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,1-Trichloroethane     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1-Dichloropropene       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Cyclohexane               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Carbon Tetrachloride      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzene                   | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Dibromomethane            | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| 1,2-Dichloropropane       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Trichloroethene           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromodichloromethane      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| trans-1,3-Dichloropropene | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| cis-1,3-Dichloropropene   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,2-Trichloroethane     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Toluene                   | mg/kg | 4          | 0.6        | <0.5       | <0.5       | <0.5       |
| 1,3-Dichloropropane       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibromochloromethane      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-Dibromoethane         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Tetrachloroethene         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,1,2-Tetrachloroethane | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorobenzene             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |

| VOCs in soil - Low Level         |       |            |            |            |            |            |
|----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                    |       | 378586-2   | 378586-5   | 378586-10  | 378586-13  | 378586-14  |
| Your Reference                   | UNITS | 302        | 303        | 306        | SED1       | SED2       |
| Depth                            |       | 2.0        | 2.0        | 2.5        | 0-0.1      | 0-0.1      |
| Date Sampled                     |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                   |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Ethylbenzene                     | mg/kg | 9.0        | 2.6        | 18         | <0.1       | <0.1       |
| Bromoform                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| m+p-Xylene                       | mg/kg | 38         | 11         | 49         | <0.2       | <0.2       |
| Styrene                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,2,2-Tetrachloroethane        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| o-Xylene                         | mg/kg | 14         | 3.9        | 0.1        | <0.1       | <0.1       |
| 1,2,3-Trichloropropane           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Isopropylbenzene                 | mg/kg | 1.2        | 0.4        | 3.4        | <0.1       | <0.1       |
| Bromobenzene                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| n-Propylbenzene                  | mg/kg | 5.5        | 1.8        | 14         | <0.1       | <0.1       |
| 2-Chlorotoluene                  | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 4-Chlorotoluene                  | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,3,5-Trimethylbenzene           | mg/kg | 11         | 3.3        | 20         | <0.1       | <0.1       |
| tert-Butylbenzene                | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2,4-Trimethylbenzene           | mg/kg | 37         | 11         | 74         | <0.1       | <0.1       |
| 1,3-Dichlorobenzene              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| sec-Butylbenzene                 | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,4-Dichlorobenzene              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 4-Isopropyltoluene               | mg/kg | 1.2        | 0.4        | 2.3        | <0.1       | <0.1       |
| 1,2-Dichlorobenzene              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| n-Butylbenzene                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-Dibromo-3-chloropropane      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2,4-Trichlorobenzene           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Hexachlorobutadiene              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2,3-Trichlorobenzene           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate Dibromofluoromethane   | %     | 93         | 96         | 90         | 96         | 96         |
| Surrogate aaa-Trifluorotoluene   | %     | 80         | 89         | 87         | 76         | 66         |
| Surrogate Toluene-d <sub>8</sub> | %     | 102        | 103        | 106        | 99         | 98         |
| Surrogate 4-Bromofluorobenzene   | %     | 101        | 102        | 103        | 98         | 98         |

| VOCs in soil - Low Level  |       |            |
|---------------------------|-------|------------|
| Our Reference             |       | 378586-15  |
| Your Reference            | UNITS | SED3       |
| Depth                     |       | 0-0.1      |
| Date Sampled              |       | 15/04/2025 |
| Type of sample            |       | Soil       |
| Date Extracted            | -     | 22/04/2025 |
| Date Analysed             | -     | 24/04/2025 |
| Dichlorodifluoromethane   | mg/kg | <1         |
| Chloromethane             | mg/kg | <1         |
| Vinyl Chloride            | mg/kg | <0.3       |
| Bromomethane              | mg/kg | <1         |
| Chloroethane              | mg/kg | <1         |
| Trichlorofluoromethane    | mg/kg | <0.7       |
| 1,1-Dichloroethene        | mg/kg | <0.1       |
| trans-1,2-Dichloroethene  | mg/kg | <0.1       |
| 1,1-Dichloroethane        | mg/kg | <0.1       |
| cis-1,2-Dichloroethene    | mg/kg | <0.1       |
| Bromochloromethane        | mg/kg | <0.5       |
| Chloroform                | mg/kg | <0.1       |
| 2,2-Dichloropropane       | mg/kg | <0.1       |
| 1,2-Dichloroethane        | mg/kg | <0.1       |
| 1,1,1-Trichloroethane     | mg/kg | <0.1       |
| 1,1-Dichloropropene       | mg/kg | <0.1       |
| Cyclohexane               | mg/kg | <0.1       |
| Carbon Tetrachloride      | mg/kg | <0.1       |
| Benzene                   | mg/kg | <0.2       |
| Dibromomethane            | mg/kg | <0.5       |
| 1,2-Dichloropropane       | mg/kg | <0.1       |
| Trichloroethene           | mg/kg | <0.1       |
| Bromodichloromethane      | mg/kg | <0.1       |
| trans-1,3-Dichloropropene | mg/kg | <0.1       |
| cis-1,3-Dichloropropene   | mg/kg | <0.1       |
| 1,1,2-Trichloroethane     | mg/kg | <0.1       |
| Toluene                   | mg/kg | <0.5       |
| 1,3-Dichloropropane       | mg/kg | <0.1       |
| Dibromochloromethane      | mg/kg | <0.1       |
| 1,2-Dibromoethane         | mg/kg | <0.1       |
| Tetrachloroethene         | mg/kg | <0.1       |
| 1,1,1,2-Tetrachloroethane | mg/kg | <0.1       |
| Chlorobenzene             | mg/kg | <0.1       |

| VOCs in soil - Low Level         |       |            |
|----------------------------------|-------|------------|
| Our Reference                    |       | 378586-15  |
| Your Reference                   | UNITS | SED3       |
| Depth                            |       | 0-0.1      |
| Date Sampled                     |       | 15/04/2025 |
| Type of sample                   |       | Soil       |
| Ethylbenzene                     | mg/kg | <0.1       |
| Bromoform                        | mg/kg | <0.1       |
| m+p-Xylene                       | mg/kg | <0.2       |
| Styrene                          | mg/kg | <0.1       |
| 1,1,2,2-Tetrachloroethane        | mg/kg | <0.1       |
| o-Xylene                         | mg/kg | <0.1       |
| 1,2,3-Trichloropropane           | mg/kg | <0.1       |
| Isopropylbenzene                 | mg/kg | <0.1       |
| Bromobenzene                     | mg/kg | <0.1       |
| n-Propylbenzene                  | mg/kg | <0.1       |
| 2-Chlorotoluene                  | mg/kg | <0.1       |
| 4-Chlorotoluene                  | mg/kg | <0.1       |
| 1,3,5-Trimethylbenzene           | mg/kg | <0.1       |
| tert-Butylbenzene                | mg/kg | <0.1       |
| 1,2,4-Trimethylbenzene           | mg/kg | <0.1       |
| 1,3-Dichlorobenzene              | mg/kg | <0.1       |
| sec-Butylbenzene                 | mg/kg | <0.1       |
| 1,4-Dichlorobenzene              | mg/kg | <0.1       |
| 4-Isopropyltoluene               | mg/kg | <0.1       |
| 1,2-Dichlorobenzene              | mg/kg | <0.1       |
| n-Butylbenzene                   | mg/kg | <0.1       |
| 1,2-Dibromo-3-chloropropane      | mg/kg | <0.1       |
| 1,2,4-Trichlorobenzene           | mg/kg | <0.1       |
| Hexachlorobutadiene              | mg/kg | <0.1       |
| 1,2,3-Trichlorobenzene           | mg/kg | <0.1       |
| Surrogate Dibromofluoromethane   | %     | 97         |
| Surrogate aaa-Trifluorotoluene   | %     | 84         |
| Surrogate Toluene-d <sub>8</sub> | %     | 99         |
| Surrogate 4-Bromofluorobenzene   | %     | 98         |

| vTRH(C6-C10)/BTEXN in Soil                           |       |            |            |            |            |            |
|------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                        |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                                       | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                                                |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                                         |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                                       |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                                       | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                                        | -     | 23/04/2025 | 24/04/2025 | 23/04/2025 | 24/04/2025 | 23/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | <25        | 290        | <25        | 64         | <25        |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | <25        | 430        | <25        | 100        | <25        |
| vTRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | <25        | 370        | <25        | 85         | <25        |
| Benzene                                              | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Toluene                                              | mg/kg | <0.5       | 4          | <0.5       | 0.6        | <0.5       |
| Ethylbenzene                                         | mg/kg | <1         | 9          | <1         | 3          | <1         |
| m+p-xylene                                           | mg/kg | <2         | 38         | <2         | 11         | <2         |
| o-Xylene                                             | mg/kg | <1         | 14         | <1         | 4          | <1         |
| Naphthalene                                          | mg/kg | <1         | 5          | <1         | 1          | <1         |
| Total +ve Xylenes                                    | mg/kg | <1         | 51         | <1         | 15         | <1         |
| Surrogate aaa-Trifluorotoluene                       | %     | 81         | 80         | 86         | 89         | 89         |

| vTRH(C6-C10)/BTEXN in Soil                           |       |            |            |            |            |            |
|------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                        |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference                                       | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                                                |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled                                         |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                       |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                                       | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                                        | -     | 24/04/2025 | 23/04/2025 | 23/04/2025 | 24/04/2025 | 24/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | 530        | <25        | <25        | <25        | <25        |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | 720        | <25        | <25        | <25        | <25        |
| vTRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | 650        | <25        | <25        | <25        | <25        |
| Benzene                                              | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Toluene                                              | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Ethylbenzene                                         | mg/kg | 18         | <1         | <1         | <1         | <1         |
| m+p-xylene                                           | mg/kg | 49         | <2         | <2         | <2         | <2         |
| o-Xylene                                             | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Naphthalene                                          | mg/kg | 7          | <1         | <1         | <1         | <1         |
| Total +ve Xylenes                                    | mg/kg | 49         | <1         | <1         | <1         | <1         |
| Surrogate aaa-Trifluorotoluene                       | %     | 87         | 92         | 106        | 76         | 66         |

| vTRH(C6-C10)/BTEXN in Soil                           |       |            |
|------------------------------------------------------|-------|------------|
| Our Reference                                        |       | 378586-15  |
| Your Reference                                       | UNITS | SED3       |
| Depth                                                |       | 0-0.1      |
| Date Sampled                                         |       | 15/04/2025 |
| Type of sample                                       |       | Soil       |
| Date extracted                                       | -     | 22/04/2025 |
| Date analysed                                        | -     | 24/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | <25        |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | <25        |
| vTRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | <25        |
| Benzene                                              | mg/kg | <0.2       |
| Toluene                                              | mg/kg | <0.5       |
| Ethylbenzene                                         | mg/kg | <1         |
| m+p-xylene                                           | mg/kg | <2         |
| o-Xylene                                             | mg/kg | <1         |
| Naphthalene                                          | mg/kg | <1         |
| Total +ve Xylenes                                    | mg/kg | <1         |
| Surrogate aaa-Trifluorotoluene                       | %     | 84         |

| svTRH (C10-C40) in Soil                                     |       |            |            |            |            |            |
|-------------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                               |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                                              | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                                                       |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                                                |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                                              |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                                              | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                                               | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                       | mg/kg | <50        | 370        | <50        | 120        | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                       | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                       | mg/kg | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (C10-C36)                                     | mg/kg | <50        | 370        | <50        | 120        | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub>                       | mg/kg | <50        | 240        | <50        | 88         | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub> less Naphthalene (F2) | mg/kg | <50        | 230        | <50        | 87         | <50        |
| TRH >C <sub>16</sub> -C <sub>34</sub>                       | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH >C <sub>34</sub> -C <sub>40</sub>                       | mg/kg | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                    | mg/kg | <50        | 240        | <50        | 90         | <50        |
| Surrogate o-Terphenyl                                       | %     | 100        | 106        | 96         | 98         | 95         |

| svTRH (C10-C40) in Soil                                     |       |            |            |            |            |            |
|-------------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                               |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference                                              | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                                                       |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled                                                |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                              |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                                              | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                                               | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                       | mg/kg | 560        | <50        | <50        | <50        | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                       | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                       | mg/kg | <100       | <100       | <100       | <100       | 250        |
| Total +ve TRH (C10-C36)                                     | mg/kg | 560        | <50        | <50        | <50        | 250        |
| TRH >C <sub>10</sub> -C <sub>16</sub>                       | mg/kg | 360        | <50        | <50        | <50        | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub> less Naphthalene (F2) | mg/kg | 350        | <50        | <50        | <50        | <50        |
| TRH >C <sub>16</sub> -C <sub>34</sub>                       | mg/kg | <100       | <100       | <100       | <100       | 240        |
| TRH >C <sub>34</sub> -C <sub>40</sub>                       | mg/kg | <100       | <100       | <100       | <100       | 310        |
| Total +ve TRH (>C10-C40)                                    | mg/kg | 360        | <50        | <50        | <50        | 550        |
| Surrogate o-Terphenyl                                       | %     | 105        | 93         | 95         | 100        | 97         |

| svTRH (C10-C40) in Soil                                     |       |            |
|-------------------------------------------------------------|-------|------------|
| Our Reference                                               |       | 378586-15  |
| Your Reference                                              | UNITS | SED3       |
| Depth                                                       |       | 0-0.1      |
| Date Sampled                                                |       | 15/04/2025 |
| Type of sample                                              |       | Soil       |
| Date extracted                                              | -     | 22/04/2025 |
| Date analysed                                               | -     | 23/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                       | mg/kg | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                       | mg/kg | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                       | mg/kg | <100       |
| Total +ve TRH (C10-C36)                                     | mg/kg | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub>                       | mg/kg | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub> less Naphthalene (F2) | mg/kg | <50        |
| TRH >C <sub>16</sub> -C <sub>34</sub>                       | mg/kg | <100       |
| TRH >C <sub>34</sub> -C <sub>40</sub>                       | mg/kg | 140        |
| Total +ve TRH (>C10-C40)                                    | mg/kg | 140        |
| Surrogate o-Terphenyl                                       | %     | 95         |

| PAHs in Soil                      |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                    | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                             |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                      |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                    |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                    | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                     | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Naphthalene                       | mg/kg | <0.1       | 4.5        | <0.1       | 1.2        | <0.1       |
| Acenaphthylene                    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluorene                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phenanthrene                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Anthracene                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Pyrene                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene                | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                    | mg/kg | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| Indeno(1,2,3-c,d)pyrene           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve PAH's                   | mg/kg | <0.05      | 4.5        | <0.05      | 1.2        | <0.05      |
| Benzo(a)pyrene TEQ calc (zero)    | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(half)     | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(PQL)      | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 102        | 102        | 102        | 104        | 103        |

| PAHs in Soil                   |       |            |            |            |            |            |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                  |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference                 | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                          |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled                   |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                 |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                 | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                  | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Naphthalene                    | mg/kg | 6.5        | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthylene                 | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluorene                       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phenanthrene                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Anthracene                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | 0.1        |
| Pyrene                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene       | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                 | mg/kg | <0.05      | <0.05      | <0.05      | <0.05      | 0.09       |
| Indeno(1,2,3-c,d)pyrene        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve PAH's                | mg/kg | 6.5        | <0.05      | <0.05      | <0.05      | 0.2        |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(half)  | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(PQL)   | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Surrogate p-Terphenyl-d14      | %     | 98         | 100        | 100        | 108        | 118        |

| PAHs in Soil                      |       |            |
|-----------------------------------|-------|------------|
| Our Reference                     |       | 378586-15  |
| Your Reference                    | UNITS | SED3       |
| Depth                             |       | 0-0.1      |
| Date Sampled                      |       | 15/04/2025 |
| Type of sample                    |       | Soil       |
| Date extracted                    | -     | 22/04/2025 |
| Date analysed                     | -     | 23/04/2025 |
| Naphthalene                       | mg/kg | <0.1       |
| Acenaphthylene                    | mg/kg | <0.1       |
| Acenaphthene                      | mg/kg | <0.1       |
| Fluorene                          | mg/kg | <0.1       |
| Phenanthrene                      | mg/kg | 0.4        |
| Anthracene                        | mg/kg | <0.1       |
| Fluoranthene                      | mg/kg | 0.5        |
| Pyrene                            | mg/kg | 0.6        |
| Benzo(a)anthracene                | mg/kg | 0.2        |
| Chrysene                          | mg/kg | 0.4        |
| Benzo(b,j+k)fluoranthene          | mg/kg | 0.5        |
| Benzo(a)pyrene                    | mg/kg | 0.4        |
| Indeno(1,2,3-c,d)pyrene           | mg/kg | 0.2        |
| Dibenzo(a,h)anthracene            | mg/kg | <0.1       |
| Benzo(g,h,i)perylene              | mg/kg | 0.2        |
| Total +ve PAH's                   | mg/kg | 3.5        |
| Benzo(a)pyrene TEQ calc (zero)    | mg/kg | <0.5       |
| Benzo(a)pyrene TEQ calc(half)     | mg/kg | 0.5        |
| Benzo(a)pyrene TEQ calc(PQL)      | mg/kg | 0.6        |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 112        |

| Organochlorine Pesticides in soil |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                    | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                             |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                      |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                    |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                    | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                     | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| alpha-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| HCB                               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| beta-BHC                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Heptachlor                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| delta-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aldrin                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Heptachlor Epoxide                | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| gamma-Chlordane                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| alpha-chlordane                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan I                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDE                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dieldrin                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endrin                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDD                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endrin Aldehyde                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDT                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan Sulphate               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Methoxychlor                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Mirex                             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve DDT+DDD+DDE             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total Positive Aldrin+Dieldrin    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF         | %     | 129        | 130        | 127        | 128        | 126        |

| Organochlorine Pesticides in soil |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference                    | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                             |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled                      |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                    |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                    | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                     | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| alpha-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| HCB                               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| beta-BHC                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Heptachlor                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| delta-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aldrin                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Heptachlor Epoxide                | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| gamma-Chlordane                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| alpha-chlordane                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan I                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDE                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dieldrin                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endrin                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDD                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endrin Aldehyde                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| pp-DDT                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Endosulfan Sulphate               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Methoxychlor                      | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Mirex                             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve DDT+DDD+DDE             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total Positive Aldrin+Dieldrin    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF         | %     | 124        | 129        | 121        | 129        | 137        |

| Organochlorine Pesticides in soil |       |            |
|-----------------------------------|-------|------------|
| Our Reference                     |       | 378586-15  |
| Your Reference                    | UNITS | SED3       |
| Depth                             |       | 0-0.1      |
| Date Sampled                      |       | 15/04/2025 |
| Type of sample                    |       | Soil       |
| Date extracted                    | -     | 22/04/2025 |
| Date analysed                     | -     | 23/04/2025 |
| alpha-BHC                         | mg/kg | <0.1       |
| HCB                               | mg/kg | <0.1       |
| beta-BHC                          | mg/kg | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       |
| Heptachlor                        | mg/kg | <0.1       |
| delta-BHC                         | mg/kg | <0.1       |
| Aldrin                            | mg/kg | <0.1       |
| Heptachlor Epoxide                | mg/kg | <0.1       |
| gamma-Chlordane                   | mg/kg | <0.1       |
| alpha-chlordane                   | mg/kg | <0.1       |
| Endosulfan I                      | mg/kg | <0.1       |
| pp-DDE                            | mg/kg | <0.1       |
| Dieldrin                          | mg/kg | <0.1       |
| Endrin                            | mg/kg | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       |
| pp-DDD                            | mg/kg | <0.1       |
| Endrin Aldehyde                   | mg/kg | <0.1       |
| pp-DDT                            | mg/kg | <0.1       |
| Endosulfan Sulphate               | mg/kg | <0.1       |
| Methoxychlor                      | mg/kg | <0.1       |
| Mirex                             | mg/kg | <0.1       |
| Total +ve DDT+DDD+DDE             | mg/kg | <0.1       |
| Total Positive Aldrin+Dieldrin    | mg/kg | <0.1       |
| Surrogate 4-Chloro-3-NBTF         | %     | 137        |

| Organophosphorus Pesticides in Soil |       |            |            |            |            |            |
|-------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                       |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                      | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                               |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                        |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                      |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                      | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                       | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Dichlorvos                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Mevinphos                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phorate                             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dimethoate                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Diazinon                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Disulfoton                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorpyrifos-methyl                 | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Parathion-Methyl                    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Ronnel                              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenitrothion                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Malathion                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorpyriphos                       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenthion                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Parathion                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromophos-ethyl                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Methidathion                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenamiphos                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Ethion                              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phosalone                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Azinphos-methyl (Guthion)           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Coumaphos                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF           | %     | 129        | 130        | 127        | 128        | 126        |

| Organophosphorus Pesticides in Soil |       |            |            |            |            |            |
|-------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                       | UNITS | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference                      |       | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                               |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled                        |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                      |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                      | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                       | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Dichlorvos                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Mevinphos                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phorate                             | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dimethoate                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Diazinon                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Disulfoton                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorpyrifos-methyl                 | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Parathion-Methyl                    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Ronnel                              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenitrothion                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Malathion                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorpyrifos                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenthion                            | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Parathion                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromophos-ethyl                     | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Methidathion                        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fenamiphos                          | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Ethion                              | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phosalone                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Azinphos-methyl (Guthion)           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Coumaphos                           | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF           | %     | 124        | 129        | 121        | 129        | 137        |

| Organophosphorus Pesticides in Soil |       |            |
|-------------------------------------|-------|------------|
| Our Reference                       |       | 378586-15  |
| Your Reference                      | UNITS | SED3       |
| Depth                               |       | 0-0.1      |
| Date Sampled                        |       | 15/04/2025 |
| Type of sample                      |       | Soil       |
| Date extracted                      | -     | 22/04/2025 |
| Date analysed                       | -     | 23/04/2025 |
| Dichlorvos                          | mg/kg | <0.1       |
| Mevinphos                           | mg/kg | <0.1       |
| Phorate                             | mg/kg | <0.1       |
| Dimethoate                          | mg/kg | <0.1       |
| Diazinon                            | mg/kg | <0.1       |
| Disulfoton                          | mg/kg | <0.1       |
| Chlorpyrifos-methyl                 | mg/kg | <0.1       |
| Parathion-Methyl                    | mg/kg | <0.1       |
| Ronnel                              | mg/kg | <0.1       |
| Fenitrothion                        | mg/kg | <0.1       |
| Malathion                           | mg/kg | <0.1       |
| Chlorpyriphos                       | mg/kg | <0.1       |
| Fenthion                            | mg/kg | <0.1       |
| Parathion                           | mg/kg | <0.1       |
| Bromophos-ethyl                     | mg/kg | <0.1       |
| Methidathion                        | mg/kg | <0.1       |
| Fenamiphos                          | mg/kg | <0.1       |
| Ethion                              | mg/kg | <0.1       |
| Phosalone                           | mg/kg | <0.1       |
| Azinphos-methyl (Guthion)           | mg/kg | <0.1       |
| Coumaphos                           | mg/kg | <0.1       |
| Surrogate 4-Chloro-3-NBTF           | %     | 137        |

| PCBs in Soil               |       |            |            |            |            |            |
|----------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference              |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference             | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                      |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled               |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample             |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted             | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed              | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Aroclor 1016               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1221               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1232               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1242               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1248               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1254               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1260               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve PCBs (1016-1260) | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 2-Fluorobiphenyl | %     | 125        | 126        | 123        | 126        | 123        |

| PCBs in Soil               |       |            |            |            |            |            |
|----------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference              |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference             | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth                      |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled               |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample             |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted             | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed              | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Aroclor 1016               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1221               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1232               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1242               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1248               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1254               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Aroclor 1260               | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve PCBs (1016-1260) | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate 2-Fluorobiphenyl | %     | 121        | 123        | 122        | 128        | 134        |

| PCBs in Soil               |       |            |
|----------------------------|-------|------------|
| Our Reference              |       | 378586-15  |
| Your Reference             | UNITS | SED3       |
| Depth                      |       | 0-0.1      |
| Date Sampled               |       | 15/04/2025 |
| Type of sample             |       | Soil       |
| Date extracted             | -     | 22/04/2025 |
| Date analysed              | -     | 23/04/2025 |
| Aroclor 1016               | mg/kg | <0.1       |
| Aroclor 1221               | mg/kg | <0.1       |
| Aroclor 1232               | mg/kg | <0.1       |
| Aroclor 1242               | mg/kg | <0.1       |
| Aroclor 1248               | mg/kg | <0.1       |
| Aroclor 1254               | mg/kg | <0.1       |
| Aroclor 1260               | mg/kg | <0.1       |
| Total +ve PCBs (1016-1260) | mg/kg | <0.1       |
| Surrogate 2-Fluorobiphenyl | %     | 130        |

| Acid Extractable metals in soil |       |            |            |            |            |            |
|---------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                   |       | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                  | UNITS | 301        | 302        | 302        | 303        | 304        |
| Depth                           |       | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                    |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                  |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                   | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed                   | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Arsenic                         | mg/kg | 10         | 5          | 6          | <4         | <4         |
| Boron                           | mg/kg | <10        | <10        | <10        | <10        | <10        |
| Beryllium                       | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Cadmium                         | mg/kg | <0.4       | <0.4       | <0.4       | <0.4       | <0.4       |
| Chromium                        | mg/kg | 12         | 8          | 31         | 16         | 16         |
| Copper                          | mg/kg | 9          | 9          | 19         | 8          | 10         |
| Cobalt                          | mg/kg | 6          | 4          | 9          | 5          | 10         |
| Iron                            | mg/kg | 32,000     | 18,000     | 28,000     | 19,000     | 28,000     |
| Lead                            | mg/kg | 9          | 9          | 10         | 12         | 11         |
| Manganese                       | mg/kg | 150        | 130        | 350        | 150        | 290        |
| Mercury                         | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Molybdenum                      | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Nickel                          | mg/kg | 5          | 5          | 15         | 7          | 11         |
| Selenium                        | mg/kg | <2         | <2         | <2         | <2         | <2         |
| Silver                          | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Zinc                            | mg/kg | 47         | 35         | 47         | 38         | 57         |

## Acid Extractable metals in soil

|                |       |            |            |            |            |            |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference  |       | 378586-10  | 378586-11  | 378586-12  | 378586-13  | 378586-14  |
| Your Reference | UNITS | 306        | 306        | D3/SBK     | SED1       | SED2       |
| Depth          |       | 2.5        | 4.0        | -          | 0-0.1      | 0-0.1      |
| Date Sampled   |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed  | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Arsenic        | mg/kg | 6          | <4         | <4         | 9          | 9          |
| Boron          | mg/kg | <10        | <10        | <10        | <10        | <10        |
| Beryllium      | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Cadmium        | mg/kg | <0.4       | <0.4       | <0.4       | <0.4       | <0.4       |
| Chromium       | mg/kg | 8          | 16         | 12         | 12         | 14         |
| Copper         | mg/kg | 9          | 10         | 15         | 19         | 33         |
| Cobalt         | mg/kg | 5          | 4          | 5          | 10         | 12         |
| Iron           | mg/kg | 17,000     | 13,000     | 12,000     | 24,000     | 33,000     |
| Lead           | mg/kg | 8          | 10         | 12         | 43         | 47         |
| Manganese      | mg/kg | 370        | 130        | 120        | 380        | 490        |
| Mercury        | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Molybdenum     | mg/kg | <1         | 3          | <1         | <1         | <1         |
| Nickel         | mg/kg | 6          | 5          | 6          | 8          | 11         |
| Selenium       | mg/kg | <2         | <2         | <2         | <2         | <2         |
| Silver         | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Zinc           | mg/kg | 31         | 35         | 49         | 170        | 270        |

| Acid Extractable metals in soil |       |            |                       |
|---------------------------------|-------|------------|-----------------------|
| Our Reference                   |       | 378586-15  | 378586-18             |
| Your Reference                  | UNITS | SED3       | 302 -<br>[TRIPLICATE] |
| Depth                           |       | 0-0.1      | 2.0                   |
| Date Sampled                    |       | 15/04/2025 | 14/04/2025            |
| Type of sample                  |       | Soil       | Soil                  |
| Date prepared                   | -     | 22/04/2025 | 22/04/2025            |
| Date analysed                   | -     | 22/04/2025 | 22/04/2025            |
| Arsenic                         | mg/kg | 11         | 6                     |
| Boron                           | mg/kg | <10        | <10                   |
| Beryllium                       | mg/kg | <1         | <1                    |
| Cadmium                         | mg/kg | <0.4       | <0.4                  |
| Chromium                        | mg/kg | 16         | 9                     |
| Copper                          | mg/kg | 38         | 10                    |
| Cobalt                          | mg/kg | 12         | 5                     |
| Iron                            | mg/kg | 32,000     | 20,000                |
| Lead                            | mg/kg | 59         | 11                    |
| Manganese                       | mg/kg | 720        | 190                   |
| Mercury                         | mg/kg | <0.1       | <0.1                  |
| Molybdenum                      | mg/kg | 1          | <1                    |
| Nickel                          | mg/kg | 11         | 6                     |
| Selenium                        | mg/kg | <2         | <2                    |
| Silver                          | mg/kg | <1         | <1                    |
| Zinc                            | mg/kg | 190        | 37                    |

| Moisture       |       |            |            |            |            |            |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference  | UNITS | 378586-1   | 378586-2   | 378586-3   | 378586-4   | 378586-5   |
| Your Reference |       | 301        | 302        | 302        | 302        | 303        |
| Depth          |       | 3.0        | 2.0        | 2.5        | 3.0        | 2.0        |
| Date Sampled   |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed  | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Moisture       | %     | 17         | 10         | 6.1        | 12         | 8.7        |

| Moisture       |       |            |            |            |            |            |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference  | UNITS | 378586-6   | 378586-7   | 378586-8   | 378586-9   | 378586-10  |
| Your Reference |       | 304        | 304        | 305        | 306        | 306        |
| Depth          |       | 3.5        | 4.0        | 1.5        | 1.5        | 2.5        |
| Date Sampled   |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed  | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Moisture       | %     | 18         | 9.2        | 15         | 8.4        | 10         |

| Moisture       |       |            |            |            |            |            |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference  | UNITS | 378586-11  | 378586-12  | 378586-13  | 378586-14  | 378586-15  |
| Your Reference |       | 306        | D3/SBK     | SED1       | SED2       | SED3       |
| Depth          |       | 4.0        | -          | 0-0.1      | 0-0.1      | 0-0.1      |
| Date Sampled   |       | 14/04/2025 | 14/04/2025 | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 | 22/04/2025 |
| Date analysed  | -     | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Moisture       | %     | 12         | 17         | 38         | 51         | 30         |

| PFAS in Soils Extended                            |       |            |            |            |            |            |
|---------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                     |       | 378586-1   | 378586-3   | 378586-5   | 378586-6   | 378586-8   |
| Your Reference                                    | UNITS | 301        | 302        | 303        | 304        | 305        |
| Depth                                             |       | 3.0        | 2.5        | 2.0        | 3.5        | 1.5        |
| Date Sampled                                      |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                                    |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                                     | -     | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 |
| Date analysed                                     | -     | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 |
| Perfluorobutanesulfonic acid                      | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluoropentanesulfonic acid                     | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorohexanesulfonic acid - PFHxS              | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluoroheptanesulfonic acid                     | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorooctanesulfonic acid PFOS                 | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorodecanesulfonic acid                      | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluorobutanoic acid                            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluoropentanoic acid                           | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluorohexanoic acid                            | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluoroheptanoic acid                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorooctanoic acid PFOA                       | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorononanoic acid                            | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorodecanoic acid                            | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluoroundecanoic acid                          | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorododecanoic acid                          | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorotridecanoic acid                         | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorotetradecanoic acid                       | µg/kg | <5         | <5         | <5         | <5         | <5         |
| 4:2 FTS                                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 6:2 FTS                                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 8:2 FTS                                           | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| 10:2 FTS                                          | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluorooctane sulfonamide                       | µg/kg | <1         | <1         | <1         | <1         | <1         |
| N-Methyl perfluorooctane sulfonamide              | µg/kg | <1         | <1         | <1         | <1         | <1         |
| N-Ethyl perfluorooctanesulfonamide                | µg/kg | <1         | <1         | <1         | <1         | <1         |
| N-Me perfluorooctanesulfonamidethanol             | µg/kg | <1         | <1         | <1         | <1         | <1         |
| N-Et perfluorooctanesulfonamidethanol             | µg/kg | <5         | <5         | <5         | <5         | <5         |
| MePerfluorooctanesulfonamidacetic acid            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| EtPerfluorooctanesulfonamidacetic acid            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 98         | 98         | 103        | 104        | 97         |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 101        | 104        | 98         | 97         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 98         | 96         | 92         | 89         | 92         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 99         | 96         | 100        | 90         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 96         | 101        | 97         | 94         | 97         |

| PFAS in Soils Extended                             |       |            |            |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                      |       | 378586-1   | 378586-3   | 378586-5   | 378586-6   | 378586-8   |
| Your Reference                                     | UNITS | 301        | 302        | 303        | 304        | 305        |
| Depth                                              |       | 3.0        | 2.5        | 2.0        | 3.5        | 1.5        |
| Date Sampled                                       |       | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                                     |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     | 97         | 100        | 99         | 92         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 96         | 98         | 99         | 91         | 94         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 98         | 99         | 101        | 91         | 94         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 98         | 99         | 99         | 93         | 95         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 100        | 101        | 102        | 96         | 99         |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 101        | 102        | 102        | 97         | 98         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 98         | 103        | 101        | 97         | 99         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 103        | 101        | 103        | 96         | 100        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 108        | 106        | 106        | 104        | 100        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 120        | 117        | 123        | 111        | 109        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 103        | 105        | 108        | 98         | 101        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 100        | 99         | 103        | 88         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | 102        | 100        | 107        | 98         | 112        |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 106        | 111        | 108        | 103        | 105        |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 102        | 102        | 100        | 93         | 99         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 96         | 100        | 100        | 94         | 96         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 100        | 105        | 101        | 98         | 94         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 102        | 103        | 101        | 98         | 102        |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | 97         | 102        | 99         | 94         | 96         |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | 93         | 103        | 93         | 86         | 89         |
| Total Positive PFHxS & PFOS                        | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total Positive PFOS & PFOA                         | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Total Positive PFAS                                | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |

| PFAS in Soils Extended                            |       |            |            |            |            |
|---------------------------------------------------|-------|------------|------------|------------|------------|
| Our Reference                                     |       | 378586-9   | 378586-13  | 378586-14  | 378586-15  |
| Your Reference                                    | UNITS | 306        | SED1       | SED2       | SED3       |
| Depth                                             |       | 1.5        | 0-0.1      | 0-0.1      | 0-0.1      |
| Date Sampled                                      |       | 14/04/2025 | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                    |       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                                     | -     | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 |
| Date analysed                                     | -     | 24/04/2025 | 24/04/2025 | 24/04/2025 | 24/04/2025 |
| Perfluorobutanesulfonic acid                      | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluoropentanesulfonic acid                     | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorohexanesulfonic acid - PFHxS              | µg/kg | <0.1       | 0.7        | 1          | 0.2        |
| Perfluoroheptanesulfonic acid                     | µg/kg | <0.1       | 0.2        | 0.2        | <0.1       |
| Perfluorooctanesulfonic acid PFOS                 | µg/kg | <0.1       | 10         | 12         | 2.5        |
| Perfluorodecanesulfonic acid                      | µg/kg | <0.2       | 1          | 0.9        | 0.2        |
| Perfluorobutanoic acid                            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluoropentanoic acid                           | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluorohexanoic acid                            | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluoroheptanoic acid                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorooctanoic acid PFOA                       | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorononanoic acid                            | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| Perfluorodecanoic acid                            | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluoroundecanoic acid                          | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorododecanoic acid                          | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorotridecanoic acid                         | µg/kg | <0.5       | <0.5       | <0.5       | <0.5       |
| Perfluorotetradecanoic acid                       | µg/kg | <5         | <5         | <5         | <5         |
| 4:2 FTS                                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| 6:2 FTS                                           | µg/kg | <0.1       | <0.1       | <0.1       | <0.1       |
| 8:2 FTS                                           | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| 10:2 FTS                                          | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| Perfluorooctane sulfonamide                       | µg/kg | <1         | <1         | <1         | <1         |
| N-Methyl perfluorooctane sulfonamide              | µg/kg | <1         | <1         | <1         | <1         |
| N-Ethyl perfluorooctanesulfonamide                | µg/kg | <1         | <1         | <1         | <1         |
| N-Me perfluorooctanesulfonamidethanol             | µg/kg | <1         | <1         | <1         | <1         |
| N-Et perfluorooctanesulfonamidethanol             | µg/kg | <5         | <5         | <5         | <5         |
| MePerfluorooctanesulfonamidacetic acid            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| EtPerfluorooctanesulfonamidacetic acid            | µg/kg | <0.2       | <0.2       | <0.2       | <0.2       |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 101        | 103        | 106        | 102        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 100        | 97         | 91         | 93         |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 100        | 79         | 78         | 85         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 98         | 86         | 82         | 86         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 100        | 89         | 88         | 86         |

| PFAS in Soils Extended                             |       |            |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|------------|
| Our Reference                                      |       | 378586-9   | 378586-13  | 378586-14  | 378586-15  |
| Your Reference                                     | UNITS | 306        | SED1       | SED2       | SED3       |
| Depth                                              |       | 1.5        | 0-0.1      | 0-0.1      | 0-0.1      |
| Date Sampled                                       |       | 14/04/2025 | 15/04/2025 | 15/04/2025 | 15/04/2025 |
| Type of sample                                     |       | Soil       | Soil       | Soil       | Soil       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     | 99         | 79         | 78         | 84         |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 99         | 86         | 83         | 83         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 99         | 86         | 83         | 85         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 100        | 86         | 81         | 85         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 101        | 95         | 97         | 99         |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 104        | 95         | 91         | 95         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 104        | 95         | 92         | 97         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 107        | 88         | 88         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 117        | 92         | 78         | 92         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 146        | 112        | 100        | 116        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 105        | 99         | 110        | 105        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 97         | 111        | 115        | 124        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | 107        | 125        | 139        | 140        |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 110        | 84         | 76         | 83         |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 102        | 78         | 67         | 78         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 99         | 80         | 70         | 80         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 103        | 86         | 69         | 83         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 102        | 91         | 89         | 93         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | 100        | 147        | 114        | 126        |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | 101        | 93         | 92         | 106        |
| Total Positive PFHxS & PFOS                        | µg/kg | <0.1       | 11         | 13         | 2.7        |
| Total Positive PFOS & PFOA                         | µg/kg | <0.1       | 10         | 12         | 2.5        |
| Total Positive PFAS                                | µg/kg | <0.1       | 12         | 14         | 2.9        |

| Misc Inorg - Soil                      |          |            |            |            |            |            |
|----------------------------------------|----------|------------|------------|------------|------------|------------|
| Our Reference                          |          | 378586-1   | 378586-2   | 378586-4   | 378586-5   | 378586-7   |
| Your Reference                         | UNITS    | 301        | 302        | 302        | 303        | 304        |
| Depth                                  |          | 3.0        | 2.0        | 3.0        | 2.0        | 4.0        |
| Date Sampled                           |          | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 |
| Type of sample                         |          | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                          | -        | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Date analysed                          | -        | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| pH 1:5 soil:water                      | pH Units | 8.6        | 8.3        | 8.4        | 8.7        | 8.4        |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 33         | 27         | 25         | 34         | 21         |

| Misc Inorg - Soil                      |          |            |            |            |            |            |
|----------------------------------------|----------|------------|------------|------------|------------|------------|
| Our Reference                          |          | 378586-8   | 378586-10  | 378586-11  | 378586-12  | 378586-13  |
| Your Reference                         | UNITS    | 305        | 306        | 306        | D3/SBK     | SED1       |
| Depth                                  |          | 1.5        | 2.5        | 4.0        | -          | 0-0.1      |
| Date Sampled                           |          | 14/04/2025 | 14/04/2025 | 14/04/2025 | 14/04/2025 | 15/04/2025 |
| Type of sample                         |          | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                          | -        | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| Date analysed                          | -        | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 | 23/04/2025 |
| pH 1:5 soil:water                      | pH Units | 8.9        | 8.6        | 8.4        | 8.5        | 6.2        |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 86         | 19         | 20         | 29         | 50         |
| Total Organic Carbon in soil/solids    | mg/kg    | [NA]       | [NA]       | [NA]       | [NA]       | 32,000     |

| Misc Inorg - Soil                      |          |            |            |
|----------------------------------------|----------|------------|------------|
| Our Reference                          |          | 378586-14  | 378586-15  |
| Your Reference                         | UNITS    | SED2       | SED3       |
| Depth                                  |          | 0-0.1      | 0-0.1      |
| Date Sampled                           |          | 15/04/2025 | 15/04/2025 |
| Type of sample                         |          | Soil       | Soil       |
| Date prepared                          | -        | 23/04/2025 | 23/04/2025 |
| Date analysed                          | -        | 23/04/2025 | 23/04/2025 |
| pH 1:5 soil:water                      | pH Units | 5.9        | 6.8        |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 71         | 71         |
| Total Organic Carbon in soil/solids    | mg/kg    | 53,000     | 26,000     |

| CEC                      |          |            |            |            |
|--------------------------|----------|------------|------------|------------|
| Our Reference            |          | 378586-5   | 378586-11  | 378586-13  |
| Your Reference           | UNITS    | 303        | 306        | SED1       |
| Depth                    |          | 2.0        | 4.0        | 0-0.1      |
| Date Sampled             |          | 14/04/2025 | 14/04/2025 | 15/04/2025 |
| Type of sample           |          | Soil       | Soil       | Soil       |
| Date prepared            | -        | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Date analysed            | -        | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Exchangeable Ca          | meq/100g | 2.6        | 4.9        | 7.6        |
| Exchangeable K           | meq/100g | <0.1       | 0.2        | 0.3        |
| Exchangeable Mg          | meq/100g | 3.3        | 5.0        | 3.3        |
| Exchangeable Na          | meq/100g | 0.6        | 0.2        | <0.1       |
| Cation Exchange Capacity | meq/100g | 6.6        | 10         | 11         |

| Method ID              | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inorg-001</b>       | pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.                                                                                                                                                                                                                                                                                                                                 |
| <b>Inorg-002</b>       | Conductivity and Salinity - measured using a conductivity cell.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Inorg-008</b>       | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>INORG-137</b>       | Total Carbon Nitrogen Sulfur by high temperature catalytic combustion with IR detection.<br><br>Total Nitrogen may also be determine from TKN+NOx by calculation.                                                                                                                                                                                                                                                                                                                               |
| <b>Metals-020</b>      | Determination of various metals by ICP-AES.<br><br>Total Phosphate determined stoichiometrically from Phosphorus (assumed to be present as Phosphate).<br><br>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.                                                                                                                        |
| <b>Metals-020</b>      | Determination of exchangeable cations and cation exchange capacity in soils using 1M Ammonium Chloride exchange and ICP-OES analytical finish.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Metals-021</b>      | Determination of Mercury by Cold Vapour AAS.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Org-020</b>         | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.                                                                                                                                                                                         |
| <b>Org-020</b>         | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br><br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.<br><br>Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40). |
| <b>Org-021/022/025</b> | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS.<br>Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.                                                                                                                                                                                              |

| Method ID          | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Org-022/025</b> | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Org-022/025</b> | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Org-022/025</b> | <p>Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.</p> <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.</p> |
| <b>Org-023</b>     | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Org-023</b>     | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Org-023</b>     | <p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Method ID      | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Org-029</b> | <p>Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3.</p> <p>Analysis is undertaken with LC-MS/MS.</p> <p>PFAS results include the sum of branched and linear isomers where applicable.</p> <p>Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components.</p> <p>Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.</p> |

| QUALITY CONTROL: VOCs in soil - Low Level |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |            |
|-------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description                          | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date Extracted                            | -     |     |         | 22/04/2025 | 2         | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date Analysed                             | -     |     |         | 23/04/2025 | 2         | 24/04/2025 | 24/04/2025 |                  | 23/04/2025 | 23/04/2025 |
| Dichlorodifluoromethane                   | mg/kg | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | [NT]       | [NT]       |
| Chloromethane                             | mg/kg | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | [NT]       | [NT]       |
| Vinyl Chloride                            | mg/kg | 0.3 | Org-023 | <0.3       | 2         | <0.3       | <0.3       | 0                | [NT]       | [NT]       |
| Bromomethane                              | mg/kg | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | [NT]       | [NT]       |
| Chloroethane                              | mg/kg | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | [NT]       | [NT]       |
| Trichlorofluoromethane                    | mg/kg | 0.7 | Org-023 | <0.7       | 2         | <0.7       | <0.7       | 0                | [NT]       | [NT]       |
| 1,1-Dichloroethene                        | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| trans-1,2-Dichloroethene                  | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| 1,1-Dichloroethane                        | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 113        | 117        |
| cis-1,2-Dichloroethene                    | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Bromochloromethane                        | mg/kg | 0.5 | Org-023 | <0.5       | 2         | <0.5       | <0.5       | 0                | [NT]       | [NT]       |
| Chloroform                                | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 117        | 117        |
| 2,2-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| 1,2-Dichloroethane                        | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 106        | 108        |
| 1,1,1-Trichloroethane                     | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 118        | 119        |
| 1,1-Dichloropropene                       | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Cyclohexane                               | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Carbon Tetrachloride                      | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Benzene                                   | mg/kg | 0.2 | Org-023 | <0.2       | 2         | <0.2       | 0.8        | 120              | 109        | 111        |
| Dibromomethane                            | mg/kg | 0.5 | Org-023 | <0.5       | 2         | <0.5       | <0.5       | 0                | [NT]       | [NT]       |
| 1,2-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Trichloroethene                           | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 112        | 113        |
| Bromodichloromethane                      | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 106        | 105        |
| trans-1,3-Dichloropropene                 | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| cis-1,3-Dichloropropene                   | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| 1,1,2-Trichloroethane                     | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Toluene                                   | mg/kg | 0.5 | Org-023 | <0.5       | 2         | 4          | 13         | 106              | 106        | 119        |
| 1,3-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Dibromochloromethane                      | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 98         | 97         |
| 1,2-Dibromoethane                         | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Tetrachloroethene                         | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | 113        | 113        |
| 1,1,1,2-Tetrachloroethane                 | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Chlorobenzene                             | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Ethylbenzene                              | mg/kg | 0.1 | Org-023 | <0.1       | 2         | 9.0        | 22         | 84               | 110        | #          |
| Bromoform                                 | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| m+p-Xylene                                | mg/kg | 0.2 | Org-023 | <0.2       | 2         | 38         | 110        | 97               | 108        | #          |
| Styrene                                   | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| 1,1,2,2-Tetrachloroethane                 | mg/kg | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |

| QUALITY CONTROL: VOCs in soil - Low Level |       |     |         |       | Duplicate |      |      | Spike Recovery % |       |          |
|-------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|-------|----------|
| Test Description                          | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-4 | 378586-5 |
| o-Xylene                                  | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 14   | 36   | 88               | 111   | #        |
| 1,2,3-Trichloropropane                    | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| Isopropylbenzene                          | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 1.2  | 2.6  | 74               | [NT]  | [NT]     |
| Bromobenzene                              | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| n-Propylbenzene                           | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 5.5  | 11   | 67               | [NT]  | [NT]     |
| 2-Chlorotoluene                           | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 4-Chlorotoluene                           | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,3,5-Trimethylbenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 11   | 19   | 53               | [NT]  | [NT]     |
| tert-Butylbenzene                         | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,2,4-Trimethylbenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 37   | 69   | 60               | [NT]  | [NT]     |
| 1,3-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| sec-Butylbenzene                          | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,4-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 4-Isopropyltoluene                        | mg/kg | 0.1 | Org-023 | <0.1  | 2         | 1.2  | 2.0  | 50               | [NT]  | [NT]     |
| 1,2-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| n-Butylbenzene                            | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,2-Dibromo-3-chloropropane               | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,2,4-Trichlorobenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| Hexachlorobutadiene                       | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| 1,2,3-Trichlorobenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]  | [NT]     |
| Surrogate Dibromofluoromethane            | %     |     | Org-023 | 95    | 2         | 93   | 91   | 2                | 99    | 97       |
| Surrogate aaa-Trifluorotoluene            | %     |     | Org-023 | 92    | 2         | 80   | 77   | 4                | 114   | 105      |
| Surrogate Toluene-d <sub>8</sub>          | %     |     | Org-023 | 99    | 2         | 102  | 103  | 1                | 103   | 102      |
| Surrogate 4-Bromofluorobenzene            | %     |     | Org-023 | 100   | 2         | 101  | 102  | 1                | 104   | 102      |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil |       |     |         |            |   | Duplicate  |            | Spike Recovery % |            |            |
|---------------------------------------------|-------|-----|---------|------------|---|------------|------------|------------------|------------|------------|
| Test Description                            | Units | PQL | Method  | Blank      | # | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date extracted                              | -     |     |         | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date analysed                               | -     |     |         | 24/04/2025 | 2 | 24/04/2025 | 24/04/2025 |                  | 23/04/2025 | 23/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>         | mg/kg | 25  | Org-023 | <25        | 2 | 290        | 500        | 53               | 108        | #          |
| TRH C <sub>6</sub> - C <sub>10</sub>        | mg/kg | 25  | Org-023 | <25        | 2 | 430        | 750        | 54               | 108        | #          |
| Benzene                                     | mg/kg | 0.2 | Org-023 | <0.2       | 2 | <0.2       | 0.8        | 120              | 109        | 111        |
| Toluene                                     | mg/kg | 0.5 | Org-023 | <0.5       | 2 | 4          | 13         | 106              | 106        | 119        |
| Ethylbenzene                                | mg/kg | 1   | Org-023 | <1         | 2 | 9          | 22         | 84               | 110        | #          |
| m+p-xylene                                  | mg/kg | 2   | Org-023 | <2         | 2 | 38         | 110        | 97               | 108        | #          |
| o-Xylene                                    | mg/kg | 1   | Org-023 | <1         | 2 | 14         | 36         | 88               | 111        | #          |
| Naphthalene                                 | mg/kg | 1   | Org-023 | <1         | 2 | 5          | 7          | 33               | [NT]       | [NT]       |
| Surrogate aaa-Trifluorotoluene              | %     |     | Org-023 | 92         | 2 | 80         | 77         | 4                | 114        | 105        |

| QUALITY CONTROL: svTRH (C10-C40) in Soil |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |            |
|------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description                         | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date extracted                           | -     |     |         | 22/04/2025 | 2         | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date analysed                            | -     |     |         | 22/04/2025 | 2         | 23/04/2025 | 23/04/2025 |                  | 23/04/2025 | 23/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>    | mg/kg | 50  | Org-020 | <50        | 2         | 370        | 440        | 17               | 128        | 84         |
| TRH C <sub>15</sub> - C <sub>28</sub>    | mg/kg | 100 | Org-020 | <100       | 2         | <100       | <100       | 0                | 100        | 98         |
| TRH C <sub>29</sub> - C <sub>36</sub>    | mg/kg | 100 | Org-020 | <100       | 2         | <100       | <100       | 0                | 100        | 78         |
| TRH >C <sub>10</sub> -C <sub>16</sub>    | mg/kg | 50  | Org-020 | <50        | 2         | 240        | 280        | 15               | 128        | 84         |
| TRH >C <sub>16</sub> -C <sub>34</sub>    | mg/kg | 100 | Org-020 | <100       | 2         | <100       | <100       | 0                | 100        | 98         |
| TRH >C <sub>34</sub> -C <sub>40</sub>    | mg/kg | 100 | Org-020 | <100       | 2         | <100       | <100       | 0                | 100        | 78         |
| Surrogate o-Terphenyl                    | %     |     | Org-020 | 101        | 2         | 106        | 105        | 1                | 128        | 120        |

| QUALITY CONTROL: PAHs in Soil |       |      |             |            | Duplicate |            |            | Spike Recovery % |            |            |
|-------------------------------|-------|------|-------------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description              | Units | PQL  | Method      | Blank      | #         | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date extracted                | -     |      |             | 22/04/2025 | 2         | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date analysed                 | -     |      |             | 23/04/2025 | 2         | 23/04/2025 | 23/04/2025 |                  | 23/04/2025 | 23/04/2025 |
| Naphthalene                   | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | 4.5        | 5.5        | 20               | 94         | #          |
| Acenaphthylene                | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Acenaphthene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 94         | 88         |
| Fluorene                      | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 86         | 84         |
| Phenanthrene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 88         | 88         |
| Anthracene                    | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Fluoranthene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 88         | 86         |
| Pyrene                        | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 80         | 78         |
| Benzo(a)anthracene            | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Chrysene                      | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 80         | 78         |
| Benzo(b,j+k)fluoranthene      | mg/kg | 0.2  | Org-022/025 | <0.2       | 2         | <0.2       | <0.2       | 0                | [NT]       | [NT]       |
| Benzo(a)pyrene                | mg/kg | 0.05 | Org-022/025 | <0.05      | 2         | <0.05      | <0.05      | 0                | 94         | 86         |
| Indeno(1,2,3-c,d)pyrene       | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Dibenzo(a,h)anthracene        | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Benzo(g,h,i)perylene          | mg/kg | 0.1  | Org-022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Surrogate p-Terphenyl-d14     | %     |      | Org-022/025 | 99         | 2         | 102        | 101        | 1                | 96         | 140        |

| QUALITY CONTROL: Organochlorine Pesticides in soil |       |     |             |            |   | Duplicate  |            |     | Spike Recovery % |            |
|----------------------------------------------------|-------|-----|-------------|------------|---|------------|------------|-----|------------------|------------|
| Test Description                                   | Units | PQL | Method      | Blank      | # | Base       | Dup.       | RPD | LCS-4            | 378586-5   |
| Date extracted                                     | -     |     |             | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |     | 22/04/2025       | 22/04/2025 |
| Date analysed                                      | -     |     |             | 23/04/2025 | 2 | 23/04/2025 | 23/04/2025 |     | 23/04/2025       | 23/04/2025 |
| alpha-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 104              | 96         |
| HCB                                                | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| beta-BHC                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 110              | 98         |
| gamma-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Heptachlor                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 106              | 88         |
| delta-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Aldrin                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 98               | 92         |
| Heptachlor Epoxide                                 | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 114              | 106        |
| gamma-Chlordane                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| alpha-chlordane                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Endosulfan I                                       | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| pp-DDE                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 84               | 82         |
| Dieldrin                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 106              | 98         |
| Endrin                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 104              | 98         |
| Endosulfan II                                      | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| pp-DDD                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 84               | 82         |
| Endrin Aldehyde                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| pp-DDT                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Endosulfan Sulphate                                | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 100              | 94         |
| Methoxychlor                                       | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Mirex                                              | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Surrogate 4-Chloro-3-NBTF                          | %     |     | Org-022/025 | 137        | 2 | 130        | 126        | 3   | 125              | 117        |

| QUALITY CONTROL: Organophosphorus Pesticides in Soil |       |     |             |            |   | Duplicate  |            |     | Spike Recovery % |            |
|------------------------------------------------------|-------|-----|-------------|------------|---|------------|------------|-----|------------------|------------|
| Test Description                                     | Units | PQL | Method      | Blank      | # | Base       | Dup.       | RPD | LCS-4            | 378586-5   |
| Date extracted                                       | -     |     |             | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |     | 22/04/2025       | 22/04/2025 |
| Date analysed                                        | -     |     |             | 23/04/2025 | 2 | 23/04/2025 | 23/04/2025 |     | 23/04/2025       | 23/04/2025 |
| Dichlorvos                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 126              | 116        |
| Mevinphos                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Phorate                                              | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Dimethoate                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Diazinon                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Disulfoton                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Chlorpyrifos-methyl                                  | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Parathion-Methyl                                     | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Ronnel                                               | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 110              | 102        |
| Fenitrothion                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 108              | 102        |
| Malathion                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 130              | 120        |
| Chlorpyriphos                                        | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 108              | 104        |
| Fenthion                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Parathion                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 100              | 91         |
| Bromophos-ethyl                                      | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Methidathion                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Fenamiphos                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Ethion                                               | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | 92               | 90         |
| Phosalone                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Azinphos-methyl (Guthion)                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Coumaphos                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | 2 | <0.1       | <0.1       | 0   | [NT]             | [NT]       |
| Surrogate 4-Chloro-3-NBTF                            | %     |     | Org-022/025 | 137        | 2 | 130        | 126        | 3   | 125              | 117        |

Client Reference: 228674.02 Gloucester

| QUALITY CONTROL: PCBs in Soil |       |     |                 |            | Duplicate |            |            | Spike Recovery % |            |            |
|-------------------------------|-------|-----|-----------------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description              | Units | PQL | Method          | Blank      | #         | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date extracted                | -     |     |                 | 22/04/2025 | 2         | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date analysed                 | -     |     |                 | 23/04/2025 | 2         | 23/04/2025 | 23/04/2025 |                  | 23/04/2025 | 23/04/2025 |
| Aroclor 1016                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Aroclor 1221                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Aroclor 1232                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Aroclor 1242                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Aroclor 1248                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Aroclor 1254                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | 84         | 80         |
| Aroclor 1260                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT]       |
| Surrogate 2-Fluorobiphenyl    | %     |     | Org-021/022/025 | 129        | 2         | 126        | 124        | 2                | 105        | 101        |

| QUALITY CONTROL: Acid Extractable metals in soil |       |     |            |            |   | Duplicate  |            | Spike Recovery % |            |            |
|--------------------------------------------------|-------|-----|------------|------------|---|------------|------------|------------------|------------|------------|
| Test Description                                 | Units | PQL | Method     | Blank      | # | Base       | Dup.       | RPD              | LCS-4      | 378586-5   |
| Date prepared                                    | -     |     |            | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Date analysed                                    | -     |     |            | 22/04/2025 | 2 | 22/04/2025 | 22/04/2025 |                  | 22/04/2025 | 22/04/2025 |
| Arsenic                                          | mg/kg | 4   | Metals-020 | <4         | 2 | 5          | 7          | 33               | 118        | 98         |
| Boron                                            | mg/kg | 10  | Metals-020 | <10        | 2 | <10        | <10        | 0                | 116        | 101        |
| Beryllium                                        | mg/kg | 1   | Metals-020 | <1         | 2 | <1         | <1         | 0                | 113        | 101        |
| Cadmium                                          | mg/kg | 0.4 | Metals-020 | <0.4       | 2 | <0.4       | <0.4       | 0                | 111        | 94         |
| Chromium                                         | mg/kg | 1   | Metals-020 | <1         | 2 | 8          | 9          | 12               | 111        | 91         |
| Copper                                           | mg/kg | 1   | Metals-020 | <1         | 2 | 9          | 10         | 11               | 109        | 97         |
| Cobalt                                           | mg/kg | 1   | Metals-020 | <1         | 2 | 4          | 6          | 40               | 111        | 96         |
| Iron                                             | mg/kg | 10  | Metals-020 | <10        | 2 | 18000      | 22000      | 20               | 105        | #          |
| Lead                                             | mg/kg | 1   | Metals-020 | <1         | 2 | 9          | 12         | 29               | 111        | 92         |
| Manganese                                        | mg/kg | 1   | Metals-020 | <1         | 2 | 130        | 300        | 79               | 120        | ##         |
| Mercury                                          | mg/kg | 0.1 | Metals-021 | <0.1       | 2 | <0.1       | <0.1       | 0                | 112        | 119        |
| Molybdenum                                       | mg/kg | 1   | Metals-020 | <1         | 2 | <1         | <1         | 0                | 110        | 96         |
| Nickel                                           | mg/kg | 1   | Metals-020 | <1         | 2 | 5          | 6          | 18               | 110        | 93         |
| Selenium                                         | mg/kg | 2   | Metals-020 | <2         | 2 | <2         | <2         | 0                | 96         | 82         |
| Silver                                           | mg/kg | 1   | Metals-020 | <1         | 2 | <1         | <1         | 0                | 86         | 88         |
| Zinc                                             | mg/kg | 1   | Metals-020 | <1         | 2 | 35         | 38         | 8                | 109        | 81         |

| QUALITY CONTROL: PFAS in Soils Extended     |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |            |
|---------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description                            | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-1      | 378586-5   |
| Date prepared                               | -     |     |         | 24/04/2025 | 3         | 24/04/2025 | 24/04/2025 |                  | 24/04/2025 | 24/04/2025 |
| Date analysed                               | -     |     |         | 24/04/2025 | 3         | 24/04/2025 | 24/04/2025 |                  | 24/04/2025 | 24/04/2025 |
| Perfluorobutanesulfonic acid                | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 100        | 94         |
| Perfluoropentanesulfonic acid               | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 102        | 99         |
| Perfluorohexanesulfonic acid - PFHxS        | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 101        | 97         |
| Perfluoroheptanesulfonic acid               | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 102        | 103        |
| Perfluorooctanesulfonic acid PFOS           | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | 0.2        | 67               | 99         | 100        |
| Perfluorodecanesulfonic acid                | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 106        | 101        |
| Perfluorobutanoic acid                      | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 98         | 98         |
| Perfluoropentanoic acid                     | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 105        | 106        |
| Perfluorohexanoic acid                      | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 101        | 102        |
| Perfluoroheptanoic acid                     | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 97         | 99         |
| Perfluorooctanoic acid PFOA                 | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 100        | 98         |
| Perfluorononanoic acid                      | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 102        | 99         |
| Perfluorodecanoic acid                      | µg/kg | 0.5 | Org-029 | <0.5       | 3         | <0.5       | <0.5       | 0                | 102        | 102        |
| Perfluoroundecanoic acid                    | µg/kg | 0.5 | Org-029 | <0.5       | 3         | <0.5       | <0.5       | 0                | 105        | 104        |
| Perfluorododecanoic acid                    | µg/kg | 0.5 | Org-029 | <0.5       | 3         | <0.5       | <0.5       | 0                | 101        | 95         |
| Perfluorotridecanoic acid                   | µg/kg | 0.5 | Org-029 | <0.5       | 3         | <0.5       | <0.5       | 0                | 80         | 82         |
| Perfluorotetradecanoic acid                 | µg/kg | 5   | Org-029 | <5         | 3         | <5         | <5         | 0                | 85         | 84         |
| 4:2 FTS                                     | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 90         | 94         |
| 6:2 FTS                                     | µg/kg | 0.1 | Org-029 | <0.1       | 3         | <0.1       | <0.1       | 0                | 111        | 106        |
| 8:2 FTS                                     | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 96         | 91         |
| 10:2 FTS                                    | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 96         | 98         |
| Perfluorooctane sulfonamide                 | µg/kg | 1   | Org-029 | <1         | 3         | <1         | <1         | 0                | 94         | 102        |
| N-Methyl perfluorooctane sulfonamide        | µg/kg | 1   | Org-029 | <1         | 3         | <1         | <1         | 0                | 105        | 107        |
| N-Ethyl perfluorooctanesulfonamide          | µg/kg | 1   | Org-029 | <1         | 3         | <1         | <1         | 0                | 104        | 101        |
| N-Me perfluorooctanesulfonamidethanol       | µg/kg | 1   | Org-029 | <1         | 3         | <1         | <1         | 0                | 110        | 102        |
| N-Et perfluorooctanesulfonamidethanol       | µg/kg | 5   | Org-029 | <5         | 3         | <5         | <5         | 0                | 109        | 108        |
| MePerfluorooctanesulfonamidacetic acid      | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 107        | 103        |
| EtPerfluorooctanesulfonamidacetic acid      | µg/kg | 0.2 | Org-029 | <0.2       | 3         | <0.2       | <0.2       | 0                | 103        | 99         |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS | %     |     | Org-029 | 102        | 3         | 98         | 101        | 3                | 100        | 100        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA | %     |     | Org-029 | 101        | 3         | 104        | 99         | 5                | 102        | 99         |

| QUALITY CONTROL: PFAS in Soils Extended            |       |     |         |       | Duplicate |      |      | Spike Recovery % |       |          |
|----------------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|-------|----------|
| Test Description                                   | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-1 | 378586-5 |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     |     | Org-029 | 101   | 3         | 96   | 96   | 0                | 100   | 96       |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     |     | Org-029 | 102   | 3         | 96   | 95   | 1                | 101   | 98       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     |     | Org-029 | 99    | 3         | 101  | 96   | 5                | 103   | 99       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     |     | Org-029 | 103   | 3         | 100  | 97   | 3                | 102   | 97       |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     |     | Org-029 | 102   | 3         | 98   | 95   | 3                | 100   | 95       |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     |     | Org-029 | 103   | 3         | 99   | 96   | 3                | 103   | 99       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     |     | Org-029 | 102   | 3         | 99   | 97   | 2                | 104   | 98       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     |     | Org-029 | 105   | 3         | 101  | 99   | 2                | 103   | 100      |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     |     | Org-029 | 107   | 3         | 102  | 100  | 2                | 106   | 103      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     |     | Org-029 | 108   | 3         | 103  | 99   | 4                | 103   | 98       |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     |     | Org-029 | 108   | 3         | 101  | 99   | 2                | 105   | 102      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     |     | Org-029 | 111   | 3         | 106  | 103  | 3                | 109   | 105      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     |     | Org-029 | 125   | 3         | 117  | 116  | 1                | 124   | 117      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     |     | Org-029 | 114   | 3         | 105  | 104  | 1                | 112   | 99       |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     |     | Org-029 | 106   | 3         | 99   | 96   | 3                | 98    | 97       |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     |     | Org-029 | 114   | 3         | 100  | 93   | 7                | 109   | 101      |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     |     | Org-029 | 110   | 3         | 111  | 105  | 6                | 107   | 101      |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     |     | Org-029 | 104   | 3         | 102  | 100  | 2                | 105   | 100      |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     |     | Org-029 | 105   | 3         | 100  | 99   | 1                | 103   | 99       |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     |     | Org-029 | 107   | 3         | 105  | 97   | 8                | 105   | 103      |

| QUALITY CONTROL: PFAS in Soils Extended |       |     |         |       | Duplicate |      |      | Spike Recovery % |       |          |
|-----------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|-------|----------|
| Test Description                        | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-1 | 378586-5 |
| Extracted ISTD d <sub>9</sub> N EtFOSE  | %     |     | Org-029 | 104   | 3         | 103  | 98   | 5                | 105   | 104      |
| Extracted ISTD d <sub>3</sub> N MeFOSAA | %     |     | Org-029 | 112   | 3         | 102  | 102  | 0                | 102   | 100      |
| Extracted ISTD d <sub>5</sub> N EtFOSAA | %     |     | Org-029 | 95    | 3         | 103  | 93   | 10               | 100   | 97       |

| QUALITY CONTROL: Misc Inorg - Soil     |          |     |           |            | Duplicate |            |            | Spike Recovery % |            |      |
|----------------------------------------|----------|-----|-----------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                       | Units    | PQL | Method    | Blank      | #         | Base       | Dup.       | RPD              | LCS-1      | [NT] |
| Date prepared                          | -        |     |           | 23/04/2025 | 1         | 23/04/2025 | 23/04/2025 |                  | 23/04/2025 | [NT] |
| Date analysed                          | -        |     |           | 23/04/2025 | 1         | 23/04/2025 | 23/04/2025 |                  | 23/04/2025 | [NT] |
| pH 1:5 soil:water                      | pH Units |     | Inorg-001 | [NT]       | 1         | 8.6        | 8.5        | 1                | 101        | [NT] |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 1   | Inorg-002 | <1         | 1         | 33         | 32         | 3                | 95         | [NT] |
| Total Organic Carbon in soil/solids    | mg/kg    | 100 | INORG-137 | <100       | [NT]      | [NT]       | [NT]       | [NT]             | 103        | [NT] |

| QUALITY CONTROL: Misc Inorg - Soil     |          |     |           |       | Duplicate |            |            | Spike Recovery % |      |      |
|----------------------------------------|----------|-----|-----------|-------|-----------|------------|------------|------------------|------|------|
| Test Description                       | Units    | PQL | Method    | Blank | #         | Base       | Dup.       | RPD              | [NT] | [NT] |
| Date prepared                          | -        |     |           | [NT]  | 10        | 23/04/2025 | 23/04/2025 |                  | [NT] | [NT] |
| Date analysed                          | -        |     |           | [NT]  | 10        | 23/04/2025 | 23/04/2025 |                  | [NT] | [NT] |
| pH 1:5 soil:water                      | pH Units |     | Inorg-001 | [NT]  | 10        | 8.6        | 8.5        | 1                | [NT] | [NT] |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 1   | Inorg-002 | [NT]  | 10        | 19         | 24         | 23               | [NT] | [NT] |

| QUALITY CONTROL: CEC |          |     |            |            |    | Duplicate  |            |     | Spike Recovery % |      |
|----------------------|----------|-----|------------|------------|----|------------|------------|-----|------------------|------|
| Test Description     | Units    | PQL | Method     | Blank      | #  | Base       | Dup.       | RPD | LCS-1            | [NT] |
| Date prepared        | -        |     |            | 28/04/2025 | 13 | 28/04/2025 | 28/04/2025 |     | 28/04/2025       | [NT] |
| Date analysed        | -        |     |            | 28/04/2025 | 13 | 28/04/2025 | 28/04/2025 |     | 28/04/2025       | [NT] |
| Exchangeable Ca      | meq/100g | 0.1 | Metals-020 | [NT]       | 13 | 7.6        | 6.5        | 16  | 88               | [NT] |
| Exchangeable K       | meq/100g | 0.1 | Metals-020 | [NT]       | 13 | 0.3        | 0.3        | 0   | 98               | [NT] |
| Exchangeable Mg      | meq/100g | 0.1 | Metals-020 | [NT]       | 13 | 3.3        | 2.8        | 16  | 95               | [NT] |
| Exchangeable Na      | meq/100g | 0.1 | Metals-020 | [NT]       | 13 | <0.1       | <0.1       | 0   | 88               | [NT] |

| Result Definitions |                                           |
|--------------------|-------------------------------------------|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

## Quality Control Definitions

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                                                                                                                                                                                                                                                   | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                                                                                                                                                                                                                                               | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                                                                                                                                                                                                                                            | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b>                                                                                                                                                                                                                         | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                                                                                                                                                                                                                                         | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |
| Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.     |                                                                                                                                                                                                                                  |
| The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016. |                                                                                                                                                                                                                                  |
| Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2                                                                                                                         |                                                                                                                                                                                                                                  |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

## Report Comments

### VOC\_S\_LL:

# Percent recovery for the surrogate/matrix spike is not possible to report as the high concentration of analytes in sample/s 378586-5ms have caused interference.

vTRH & BTEXN in Soil NEPM - The RPD for duplicate results is accepted due to the non homogenous nature of sample 378586-2.

### TRH\_BTEX\_S\_V\_NEPM:

# Percent recovery for the surrogate/matrix spike is not possible to report as the high concentration of analytes in sample/s 378586-5ms have caused interference.

vTRH & BTEXN in Soil NEPM - The RPD for duplicate results is accepted due to the non homogenous nature of sample 378586-2.

### Acid Extractable Metals in Soil:

-The laboratory RPD acceptance criteria has been exceeded for 378586-2 for Mn. Therefore a triplicate result has been issued as laboratory sample number 378586-18.

-# Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

-## Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

### MISC\_INORG\_DRY: pH/EC

Samples were out of the recommended holding time for this analysis.

## **CERTIFICATE OF ANALYSIS 378586-A**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                    |
|---------------------------------------------|------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 Gloucester</u></b> |
| <b>Number of Samples</b>                    | Additional analysis 1 sample       |
| <b>Date samples received</b>                | 17/04/2025                         |
| <b>Date completed instructions received</b> | 08/05/2025                         |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 15/05/2025 |
| <b>Date of Issue</b>                                                                                        | 15/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Sean McAlary, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

| PFAS in TCLP Extended                       |          |             |
|---------------------------------------------|----------|-------------|
| Our Reference                               |          | 378586-A-14 |
| Your Reference                              | UNITS    | SED2        |
| Depth                                       |          | 0-0.1       |
| Date Sampled                                |          | 15/04/2025  |
| Type of sample                              |          | Soil        |
| Date prepared                               | -        | 12/05/2025  |
| Date analysed                               | -        | 12/05/2025  |
| pH of soil for fluid# determ.               | pH units | 5.6         |
| pH of soil TCLP (after HCl)                 | pH units | 1.9         |
| Extraction fluid used                       |          | 1           |
| pH of final Leachate                        | pH units | 4.9         |
| Perfluorobutanesulfonic acid                | µg/L     | <0.01       |
| Perfluoropentanesulfonic acid               | µg/L     | <0.01       |
| Perfluorohexanesulfonic acid - PFHxS        | µg/L     | <0.01       |
| Perfluoroheptanesulfonic acid               | µg/L     | <0.01       |
| Perfluorooctanesulfonic acid PFOS           | µg/L     | 0.07        |
| Perfluorodecanesulfonic acid                | µg/L     | <0.02       |
| Perfluorobutanoic acid                      | µg/L     | <0.02       |
| Perfluoropentanoic acid                     | µg/L     | <0.02       |
| Perfluorohexanoic acid                      | µg/L     | <0.01       |
| Perfluoroheptanoic acid                     | µg/L     | <0.01       |
| Perfluorooctanoic acid PFOA                 | µg/L     | <0.01       |
| Perfluorononanoic acid                      | µg/L     | <0.01       |
| Perfluorodecanoic acid                      | µg/L     | <0.02       |
| Perfluoroundecanoic acid                    | µg/L     | <0.02       |
| Perfluorododecanoic acid                    | µg/L     | <0.05       |
| Perfluorotridecanoic acid                   | µg/L     | <0.1        |
| Perfluorotetradecanoic acid                 | µg/L     | <0.5        |
| 4:2 FTS                                     | µg/L     | <0.01       |
| 6:2 FTS                                     | µg/L     | <0.01       |
| 8:2 FTS                                     | µg/L     | <0.02       |
| 10:2 FTS                                    | µg/L     | <0.02       |
| Perfluorooctane sulfonamide                 | µg/L     | <0.1        |
| N-Methyl perfluorooctane sulfonamide        | µg/L     | <0.05       |
| N-Ethyl perfluorooctanesulfonamide          | µg/L     | <0.1        |
| N-Me perfluorooctanesulfonamid oethanol     | µg/L     | <0.05       |
| N-Et perfluorooctanesulfonamid oethanol     | µg/L     | <0.5        |
| MePerfluorooctanesulf- amid oacetic aci     | µg/L     | <0.02       |
| EtPerfluorooctanesulf- amid oacetic acid    | µg/L     | <0.02       |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS | %        | 97          |

| PFAS in TCLP Extended                              |       |             |
|----------------------------------------------------|-------|-------------|
| Our Reference                                      |       | 378586-A-14 |
| Your Reference                                     | UNITS | SED2        |
| Depth                                              |       | 0-0.1       |
| Date Sampled                                       |       | 15/04/2025  |
| Type of sample                                     |       | Soil        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA        | %     | 100         |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     | 93          |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     | 104         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     | 106         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     | 85          |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 92          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 95          |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 100         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 95          |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 98          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 102         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 100         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 96          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 79          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 64          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 89          |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | 101         |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 117         |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 102         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 101         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 103         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 102         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | 99          |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | 99          |
| Total Positive PFHxS & PFOS                        | µg/L  | 0.07        |
| Total Positive PFOS & PFOA                         | µg/L  | 0.07        |
| Total Positive PFAS                                | µg/L  | 0.07        |

| Method ID        | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inorg-004</b> | <p>Toxicity Characteristic Leaching Procedure (TCLP) using AS 4439.</p> <p>Please note that the mass used may be scaled down from default based on sample mass available.</p> <p>Samples are stored at 2-6oC before and after leachate preparation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Org-029</b>   | <p>Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3.</p> <p>Analysis is undertaken with LC-MS/MS.</p> <p>PFAS results include the sum of branched and linear isomers where applicable.</p> <p>Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components.</p> <p>Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.</p> |

| QUALITY CONTROL: PFAS in TCLP Extended      |       |      |         |            | Duplicate |      |      |      | Spike Recovery % |      |
|---------------------------------------------|-------|------|---------|------------|-----------|------|------|------|------------------|------|
| Test Description                            | Units | PQL  | Method  | Blank      | #         | Base | Dup. | RPD  | LCS-W1           | [NT] |
| Date prepared                               | -     |      |         | 12/05/2025 | [NT]      | [NT] | [NT] | [NT] | 12/05/2025       | [NT] |
| Date analysed                               | -     |      |         | 12/05/2025 | [NT]      | [NT] | [NT] | [NT] | 12/05/2025       | [NT] |
| Perfluorobutanesulfonic acid                | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 106              | [NT] |
| Perfluoropentanesulfonic acid               | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Perfluorohexanesulfonic acid - PFHxS        | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 100              | [NT] |
| Perfluoroheptanesulfonic acid               | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 101              | [NT] |
| Perfluorooctanesulfonic acid PFOS           | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Perfluorodecanesulfonic acid                | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 91               | [NT] |
| Perfluorobutanoic acid                      | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Perfluoropentanoic acid                     | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 99               | [NT] |
| Perfluorohexanoic acid                      | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 104              | [NT] |
| Perfluoroheptanoic acid                     | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 101              | [NT] |
| Perfluorooctanoic acid PFOA                 | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 102              | [NT] |
| Perfluorononanoic acid                      | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 95               | [NT] |
| Perfluorodecanoic acid                      | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 106              | [NT] |
| Perfluoroundecanoic acid                    | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 101              | [NT] |
| Perfluorododecanoic acid                    | µg/L  | 0.05 | Org-029 | <0.05      | [NT]      | [NT] | [NT] | [NT] | 107              | [NT] |
| Perfluorotridecanoic acid                   | µg/L  | 0.1  | Org-029 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Perfluorotetradecanoic acid                 | µg/L  | 0.5  | Org-029 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 91               | [NT] |
| 4:2 FTS                                     | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 92               | [NT] |
| 6:2 FTS                                     | µg/L  | 0.01 | Org-029 | <0.01      | [NT]      | [NT] | [NT] | [NT] | 95               | [NT] |
| 8:2 FTS                                     | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 92               | [NT] |
| 10:2 FTS                                    | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 106              | [NT] |
| Perfluorooctane sulfonamide                 | µg/L  | 0.1  | Org-029 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 103              | [NT] |
| N-Methyl perfluorooctane sulfonamide        | µg/L  | 0.05 | Org-029 | <0.05      | [NT]      | [NT] | [NT] | [NT] | 104              | [NT] |
| N-Ethyl perfluorooctanesulfon amide         | µg/L  | 0.1  | Org-029 | <0.1       | [NT]      | [NT] | [NT] | [NT] | 102              | [NT] |
| N-Me perfluorooctanesulfonamid oethanol     | µg/L  | 0.05 | Org-029 | <0.05      | [NT]      | [NT] | [NT] | [NT] | 113              | [NT] |
| N-Et perfluorooctanesulfonamid oethanol     | µg/L  | 0.5  | Org-029 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 98               | [NT] |
| MePerfluorooctanesulf- amid oacetic aci     | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 99               | [NT] |
| EtPerfluorooctanesulf- amid oacetic acid    | µg/L  | 0.02 | Org-029 | <0.02      | [NT]      | [NT] | [NT] | [NT] | 95               | [NT] |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS | %     |      | Org-029 | 101        | [NT]      | [NT] | [NT] | [NT] | 100              | [NT] |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA | %     |      | Org-029 | 100        | [NT]      | [NT] | [NT] | [NT] | 103              | [NT] |

| QUALITY CONTROL: PFAS in TCLP Extended             |       |     |         |       | Duplicate |      |      | Spike Recovery % |        |      |
|----------------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|--------|------|
| Test Description                                   | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-W1 | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     |     | Org-029 | 100   | [NT]      | [NT] | [NT] | [NT]             | 91     | [NT] |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     |     | Org-029 | 101   | [NT]      | [NT] | [NT] | [NT]             | 103    | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     |     | Org-029 | 102   | [NT]      | [NT] | [NT] | [NT]             | 103    | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     |     | Org-029 | 88    | [NT]      | [NT] | [NT] | [NT]             | 85     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     |     | Org-029 | 90    | [NT]      | [NT] | [NT] | [NT]             | 87     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     |     | Org-029 | 95    | [NT]      | [NT] | [NT] | [NT]             | 92     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     |     | Org-029 | 98    | [NT]      | [NT] | [NT] | [NT]             | 99     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     |     | Org-029 | 102   | [NT]      | [NT] | [NT] | [NT]             | 97     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     |     | Org-029 | 97    | [NT]      | [NT] | [NT] | [NT]             | 101    | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     |     | Org-029 | 103   | [NT]      | [NT] | [NT] | [NT]             | 97     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     |     | Org-029 | 106   | [NT]      | [NT] | [NT] | [NT]             | 106    | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     |     | Org-029 | 99    | [NT]      | [NT] | [NT] | [NT]             | 95     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     |     | Org-029 | 80    | [NT]      | [NT] | [NT] | [NT]             | 84     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     |     | Org-029 | 68    | [NT]      | [NT] | [NT] | [NT]             | 64     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     |     | Org-029 | 92    | [NT]      | [NT] | [NT] | [NT]             | 90     | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     |     | Org-029 | 111   | [NT]      | [NT] | [NT] | [NT]             | 109    | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     |     | Org-029 | 112   | [NT]      | [NT] | [NT] | [NT]             | 109    | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     |     | Org-029 | 101   | [NT]      | [NT] | [NT] | [NT]             | 101    | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     |     | Org-029 | 98    | [NT]      | [NT] | [NT] | [NT]             | 96     | [NT] |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     |     | Org-029 | 104   | [NT]      | [NT] | [NT] | [NT]             | 101    | [NT] |

| QUALITY CONTROL: PFAS in TCLP Extended  |       |     |         |       |      | Duplicate |      |      | Spike Recovery % |      |
|-----------------------------------------|-------|-----|---------|-------|------|-----------|------|------|------------------|------|
| Test Description                        | Units | PQL | Method  | Blank | #    | Base      | Dup. | RPD  | LCS-W1           | [NT] |
| Extracted ISTD d <sub>9</sub> N EtFOSE  | %     |     | Org-029 | 98    | [NT] | [NT]      | [NT] | [NT] | 101              | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSAA | %     |     | Org-029 | 104   | [NT] | [NT]      | [NT] | [NT] | 99               | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSAA | %     |     | Org-029 | 99    | [NT] | [NT]      | [NT] | [NT] | 101              | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## **CERTIFICATE OF ANALYSIS 378586-B**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                    |
|---------------------------------------------|------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 Gloucester</u></b> |
| <b>Number of Samples</b>                    | Additional analysis                |
| <b>Date samples received</b>                | 17/04/2025                         |
| <b>Date completed instructions received</b> | 14/05/2025                         |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 21/05/2025 |
| <b>Date of Issue</b>                                                                                        | 21/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Timothy Toll, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

| svTRH (C10-C40) in Soil NEPM Silica gel        |       |             |             |
|------------------------------------------------|-------|-------------|-------------|
| Our Reference                                  |       | 378586-B-14 | 378586-B-15 |
| Your Reference                                 | UNITS | SED2        | SED3        |
| Depth                                          |       | 0-0.1       | 0-0.1       |
| Date Sampled                                   |       | 15/04/2025  | 15/04/2025  |
| Type of sample                                 |       | Soil        | Soil        |
| Date extracted                                 | -     | 15/05/2025  | 15/05/2025  |
| Date analysed                                  | -     | 21/05/2025  | 21/05/2025  |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub> | mg/kg | <50         | <50         |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub> | mg/kg | <100        | <100        |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub> | mg/kg | <100        | <100        |
| TRH (Silica) >C <sub>10</sub> -C <sub>16</sub> | mg/kg | <50         | <50         |
| TRH (Silica) >C <sub>16</sub> -C <sub>34</sub> | mg/kg | <100        | <100        |
| TRH (Silica) >C <sub>34</sub> -C <sub>40</sub> | mg/kg | <100        | <100        |
| Surrogate 1-Chlorooctadecane                   | %     | 76          | 88          |

| Method ID | Methodology Summary                                                                                                                                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Org-020   | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. |

| QUALITY CONTROL: svTRH (C10-C40) in Soil NEPM Silica gel |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |      |
|----------------------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                                         | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-7      | [NT] |
| Date extracted                                           | -     |     |         | 15/05/2025 | 14        | 15/05/2025 | 15/05/2025 |                  | 15/05/2025 | [NT] |
| Date analysed                                            | -     |     |         | 21/05/2025 | 14        | 21/05/2025 | 21/05/2025 |                  | 21/05/2025 | [NT] |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub>           | mg/kg | 50  | Org-020 | <50        | 14        | <50        | <50        | 0                | 76         | [NT] |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub>           | mg/kg | 100 | Org-020 | <100       | 14        | <100       | <100       | 0                | 80         | [NT] |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub>           | mg/kg | 100 | Org-020 | <100       | 14        | <100       | <100       | 0                | 86         | [NT] |
| TRH (Silica) >C <sub>10</sub> -C <sub>16</sub>           | mg/kg | 50  | Org-020 | <50        | 14        | <50        | <50        | 0                | 76         | [NT] |
| TRH (Silica) >C <sub>16</sub> -C <sub>34</sub>           | mg/kg | 100 | Org-020 | <100       | 14        | <100       | <100       | 0                | 80         | [NT] |
| TRH (Silica) >C <sub>34</sub> -C <sub>40</sub>           | mg/kg | 100 | Org-020 | <100       | 14        | <100       | <100       | 0                | 86         | [NT] |
| Surrogate 1-Chlorooctadecane                             | %     |     | Org-020 | 80         | 14        | 76         | 75         | 1                | 84         | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Soil NEPM Silica gel |       |     |         |       | Duplicate |            |            | Spike Recovery % |      |      |
|----------------------------------------------------------|-------|-----|---------|-------|-----------|------------|------------|------------------|------|------|
| Test Description                                         | Units | PQL | Method  | Blank | #         | Base       | Dup.       | RPD              | [NT] | [NT] |
| Date extracted                                           | -     |     |         | [NT]  | 15        | 15/05/2025 | 15/05/2025 |                  | [NT] | [NT] |
| Date analysed                                            | -     |     |         | [NT]  | 15        | 21/05/2025 | 21/05/2025 |                  | [NT] | [NT] |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub>           | mg/kg | 50  | Org-020 | [NT]  | 15        | <50        | <50        | 0                | [NT] | [NT] |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub>           | mg/kg | 100 | Org-020 | [NT]  | 15        | <100       | <100       | 0                | [NT] | [NT] |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub>           | mg/kg | 100 | Org-020 | [NT]  | 15        | <100       | <100       | 0                | [NT] | [NT] |
| TRH (Silica) >C <sub>10</sub> -C <sub>16</sub>           | mg/kg | 50  | Org-020 | [NT]  | 15        | <50        | <50        | 0                | [NT] | [NT] |
| TRH (Silica) >C <sub>16</sub> -C <sub>34</sub>           | mg/kg | 100 | Org-020 | [NT]  | 15        | <100       | <100       | 0                | [NT] | [NT] |
| TRH (Silica) >C <sub>34</sub> -C <sub>40</sub>           | mg/kg | 100 | Org-020 | [NT]  | 15        | <100       | <100       | 0                | [NT] | [NT] |
| Surrogate 1-Chlorooctadecane                             | %     |     | Org-020 | [NT]  | 15        | 88         | 89         | 1                | [NT] | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

Samples received in good order: Holding time exceedance

## **CERTIFICATE OF ANALYSIS 378827**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                    |
|---------------------------------------------|------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 Gloucester</u></b> |
| <b>Number of Samples</b>                    | 2 Soil                             |
| <b>Date samples received</b>                | 23/04/2025                         |
| <b>Date completed instructions received</b> | 23/04/2025                         |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 01/05/2025 |
| <b>Date of Issue</b>                                                                                        | 01/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Diego Bigolin, Inorganics Supervisor  
 Dragana Tomas, Senior Chemist  
 Giovanni Agosti, Group Technical Manager  
 Jack Wallis, Senior Chemist  
 Timothy Toll, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

| VOCs in soil - Low Level  |       |            |            |
|---------------------------|-------|------------|------------|
| Our Reference             |       | 378827-1   | 378827-2   |
| Your Reference            | UNITS | 303        | 305        |
| Depth                     |       | 3.0        | 3.0        |
| Date Sampled              |       | 14/04/2025 | 14/04/2025 |
| Type of sample            |       | Soil       | Soil       |
| Date Extracted            | -     | 24/04/2025 | 24/04/2025 |
| Date Analysed             | -     | 28/04/2025 | 28/04/2025 |
| Dichlorodifluoromethane   | mg/kg | <1         | <1         |
| Chloromethane             | mg/kg | <1         | <1         |
| Vinyl Chloride            | mg/kg | <0.3       | <0.3       |
| Bromomethane              | mg/kg | <1         | <1         |
| Chloroethane              | mg/kg | <1         | <1         |
| Trichlorofluoromethane    | mg/kg | <0.7       | <0.7       |
| 1,1-Dichloroethene        | mg/kg | <0.1       | <0.1       |
| trans-1,2-Dichloroethene  | mg/kg | <0.1       | <0.1       |
| 1,1-Dichloroethane        | mg/kg | <0.1       | <0.1       |
| cis-1,2-Dichloroethene    | mg/kg | <0.1       | <0.1       |
| Bromochloromethane        | mg/kg | <0.5       | <0.5       |
| Chloroform                | mg/kg | <0.1       | <0.1       |
| 2,2-Dichloropropane       | mg/kg | <0.1       | <0.1       |
| 1,2-Dichloroethane        | mg/kg | <0.1       | <0.1       |
| 1,1,1-Trichloroethane     | mg/kg | <0.1       | <0.1       |
| 1,1-Dichloropropene       | mg/kg | <0.1       | <0.1       |
| Cyclohexane               | mg/kg | <0.1       | <0.1       |
| Carbon Tetrachloride      | mg/kg | <0.1       | <0.1       |
| Benzene                   | mg/kg | <0.2       | <0.2       |
| Dibromomethane            | mg/kg | <0.5       | <0.5       |
| 1,2-Dichloropropane       | mg/kg | <0.1       | <0.1       |
| Trichloroethene           | mg/kg | <0.1       | <0.1       |
| Bromodichloromethane      | mg/kg | <0.1       | <0.1       |
| trans-1,3-Dichloropropene | mg/kg | <0.1       | <0.1       |
| cis-1,3-Dichloropropene   | mg/kg | <0.1       | <0.1       |
| 1,1,2-Trichloroethane     | mg/kg | <0.1       | <0.1       |
| Toluene                   | mg/kg | <0.5       | <0.5       |
| 1,3-Dichloropropane       | mg/kg | <0.1       | <0.1       |
| Dibromochloromethane      | mg/kg | <0.1       | <0.1       |
| 1,2-Dibromoethane         | mg/kg | <0.1       | <0.1       |
| Tetrachloroethene         | mg/kg | <0.1       | <0.1       |
| 1,1,1,2-Tetrachloroethane | mg/kg | <0.1       | <0.1       |
| Chlorobenzene             | mg/kg | <0.1       | <0.1       |

| VOCs in soil - Low Level         |       |            |            |
|----------------------------------|-------|------------|------------|
| Our Reference                    |       | 378827-1   | 378827-2   |
| Your Reference                   | UNITS | 303        | 305        |
| Depth                            |       | 3.0        | 3.0        |
| Date Sampled                     |       | 14/04/2025 | 14/04/2025 |
| Type of sample                   |       | Soil       | Soil       |
| Ethylbenzene                     | mg/kg | <0.1       | <0.1       |
| Bromoform                        | mg/kg | <0.1       | <0.1       |
| m+p-Xylene                       | mg/kg | <0.2       | <0.2       |
| Styrene                          | mg/kg | <0.1       | <0.1       |
| 1,1,2,2-Tetrachloroethane        | mg/kg | <0.1       | <0.1       |
| o-Xylene                         | mg/kg | <0.1       | <0.1       |
| 1,2,3-Trichloropropane           | mg/kg | <0.1       | <0.1       |
| Isopropylbenzene                 | mg/kg | <0.1       | <0.1       |
| Bromobenzene                     | mg/kg | <0.1       | <0.1       |
| n-Propylbenzene                  | mg/kg | <0.1       | <0.1       |
| 2-Chlorotoluene                  | mg/kg | <0.1       | <0.1       |
| 4-Chlorotoluene                  | mg/kg | <0.1       | <0.1       |
| 1,3,5-Trimethylbenzene           | mg/kg | <0.1       | <0.1       |
| tert-Butylbenzene                | mg/kg | <0.1       | <0.1       |
| 1,2,4-Trimethylbenzene           | mg/kg | <0.1       | <0.1       |
| 1,3-Dichlorobenzene              | mg/kg | <0.1       | <0.1       |
| sec-Butylbenzene                 | mg/kg | <0.1       | <0.1       |
| 1,4-Dichlorobenzene              | mg/kg | <0.1       | <0.1       |
| 4-Isopropyltoluene               | mg/kg | <0.1       | <0.1       |
| 1,2-Dichlorobenzene              | mg/kg | <0.1       | <0.1       |
| n-Butylbenzene                   | mg/kg | <0.1       | <0.1       |
| 1,2-Dibromo-3-chloropropane      | mg/kg | <0.1       | <0.1       |
| 1,2,4-Trichlorobenzene           | mg/kg | <0.1       | <0.1       |
| Hexachlorobutadiene              | mg/kg | <0.1       | <0.1       |
| 1,2,3-Trichlorobenzene           | mg/kg | <0.1       | <0.1       |
| Surrogate Dibromofluoromethane   | %     | 93         | 93         |
| Surrogate aaa-Trifluorotoluene   | %     | 101        | 96         |
| Surrogate Toluene-d <sub>8</sub> | %     | 100        | 100        |
| Surrogate 4-Bromofluorobenzene   | %     | 90         | 90         |

| vTRH(C6-C10)/BTEXN in Soil                           |       |            |            |
|------------------------------------------------------|-------|------------|------------|
| Our Reference                                        |       | 378827-1   | 378827-2   |
| Your Reference                                       | UNITS | 303        | 305        |
| Depth                                                |       | 3.0        | 3.0        |
| Date Sampled                                         |       | 14/04/2025 | 14/04/2025 |
| Type of sample                                       |       | Soil       | Soil       |
| Date extracted                                       | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                                        | -     | 28/04/2025 | 28/04/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | <25        | <25        |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | <25        | <25        |
| vTRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | <25        | <25        |
| Benzene                                              | mg/kg | <0.2       | <0.2       |
| Toluene                                              | mg/kg | <0.5       | <0.5       |
| Ethylbenzene                                         | mg/kg | <1         | <1         |
| m+p-xylene                                           | mg/kg | <2         | <2         |
| o-Xylene                                             | mg/kg | <1         | <1         |
| Naphthalene                                          | mg/kg | <1         | <1         |
| Total +ve Xylenes                                    | mg/kg | <1         | <1         |
| Surrogate aaa-Trifluorotoluene                       | %     | 101        | 96         |

| svTRH (C10-C40) in Soil                                     |       |            |            |
|-------------------------------------------------------------|-------|------------|------------|
| Our Reference                                               |       | 378827-1   | 378827-2   |
| Your Reference                                              | UNITS | 303        | 305        |
| Depth                                                       |       | 3.0        | 3.0        |
| Date Sampled                                                |       | 14/04/2025 | 14/04/2025 |
| Type of sample                                              |       | Soil       | Soil       |
| Date extracted                                              | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                                               | -     | 26/04/2025 | 26/04/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                       | mg/kg | <50        | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                       | mg/kg | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                       | mg/kg | <100       | <100       |
| Total +ve TRH (C10-C36)                                     | mg/kg | <50        | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub>                       | mg/kg | <50        | <50        |
| TRH >C <sub>10</sub> -C <sub>16</sub> less Naphthalene (F2) | mg/kg | <50        | <50        |
| TRH >C <sub>16</sub> -C <sub>34</sub>                       | mg/kg | <100       | <100       |
| TRH >C <sub>34</sub> -C <sub>40</sub>                       | mg/kg | <100       | <100       |
| Total +ve TRH (>C10-C40)                                    | mg/kg | <50        | <50        |
| Surrogate o-Terphenyl                                       | %     | 80         | 82         |

| PAHs in Soil                      |       |            |            |
|-----------------------------------|-------|------------|------------|
| Our Reference                     |       | 378827-1   | 378827-2   |
| Your Reference                    | UNITS | 303        | 305        |
| Depth                             |       | 3.0        | 3.0        |
| Date Sampled                      |       | 14/04/2025 | 14/04/2025 |
| Type of sample                    |       | Soil       | Soil       |
| Date extracted                    | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                     | -     | 24/04/2025 | 24/04/2025 |
| Naphthalene                       | mg/kg | <0.1       | <0.1       |
| Acenaphthylene                    | mg/kg | <0.1       | <0.1       |
| Acenaphthene                      | mg/kg | <0.1       | <0.1       |
| Fluorene                          | mg/kg | <0.1       | <0.1       |
| Phenanthrene                      | mg/kg | <0.1       | <0.1       |
| Anthracene                        | mg/kg | <0.1       | <0.1       |
| Fluoranthene                      | mg/kg | <0.1       | <0.1       |
| Pyrene                            | mg/kg | <0.1       | <0.1       |
| Benzo(a)anthracene                | mg/kg | <0.1       | <0.1       |
| Chrysene                          | mg/kg | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | mg/kg | <0.2       | <0.2       |
| Benzo(a)pyrene                    | mg/kg | <0.05      | <0.05      |
| Indeno(1,2,3-c,d)pyrene           | mg/kg | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | mg/kg | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | mg/kg | <0.1       | <0.1       |
| Total +ve PAH's                   | mg/kg | <0.05      | <0.05      |
| Benzo(a)pyrene TEQ calc (zero)    | mg/kg | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(half)     | mg/kg | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(PQL)      | mg/kg | <0.5       | <0.5       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 79         | 70         |

| Organochlorine Pesticides in soil |       |            |            |
|-----------------------------------|-------|------------|------------|
| Our Reference                     |       | 378827-1   | 378827-2   |
| Your Reference                    | UNITS | 303        | 305        |
| Depth                             |       | 3.0        | 3.0        |
| Date Sampled                      |       | 14/04/2025 | 14/04/2025 |
| Type of sample                    |       | Soil       | Soil       |
| Date extracted                    | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                     | -     | 24/04/2025 | 24/04/2025 |
| alpha-BHC                         | mg/kg | <0.1       | <0.1       |
| HCB                               | mg/kg | <0.1       | <0.1       |
| beta-BHC                          | mg/kg | <0.1       | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       | <0.1       |
| Heptachlor                        | mg/kg | <0.1       | <0.1       |
| delta-BHC                         | mg/kg | <0.1       | <0.1       |
| Aldrin                            | mg/kg | <0.1       | <0.1       |
| Heptachlor Epoxide                | mg/kg | <0.1       | <0.1       |
| gamma-Chlordane                   | mg/kg | <0.1       | <0.1       |
| alpha-chlordane                   | mg/kg | <0.1       | <0.1       |
| Endosulfan I                      | mg/kg | <0.1       | <0.1       |
| pp-DDE                            | mg/kg | <0.1       | <0.1       |
| Dieldrin                          | mg/kg | <0.1       | <0.1       |
| Endrin                            | mg/kg | <0.1       | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       | <0.1       |
| pp-DDD                            | mg/kg | <0.1       | <0.1       |
| Endrin Aldehyde                   | mg/kg | <0.1       | <0.1       |
| pp-DDT                            | mg/kg | <0.1       | <0.1       |
| Endosulfan Sulphate               | mg/kg | <0.1       | <0.1       |
| Methoxychlor                      | mg/kg | <0.1       | <0.1       |
| Mirex                             | mg/kg | <0.1       | <0.1       |
| Total +ve DDT+DDD+DDE             | mg/kg | <0.1       | <0.1       |
| Total Positive Aldrin+Dieldrin    | mg/kg | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF         | %     | 92         | 88         |

| Organophosphorus Pesticides in Soil |       |            |            |
|-------------------------------------|-------|------------|------------|
| Our Reference                       |       | 378827-1   | 378827-2   |
| Your Reference                      | UNITS | 303        | 305        |
| Depth                               |       | 3.0        | 3.0        |
| Date Sampled                        |       | 14/04/2025 | 14/04/2025 |
| Type of sample                      |       | Soil       | Soil       |
| Date extracted                      | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                       | -     | 24/04/2025 | 24/04/2025 |
| Dichlorvos                          | mg/kg | <0.1       | <0.1       |
| Mevinphos                           | mg/kg | <0.1       | <0.1       |
| Phorate                             | mg/kg | <0.1       | <0.1       |
| Dimethoate                          | mg/kg | <0.1       | <0.1       |
| Diazinon                            | mg/kg | <0.1       | <0.1       |
| Disulfoton                          | mg/kg | <0.1       | <0.1       |
| Chlorpyrifos-methyl                 | mg/kg | <0.1       | <0.1       |
| Parathion-Methyl                    | mg/kg | <0.1       | <0.1       |
| Ronnel                              | mg/kg | <0.1       | <0.1       |
| Fenitrothion                        | mg/kg | <0.1       | <0.1       |
| Malathion                           | mg/kg | <0.1       | <0.1       |
| Chlorpyriphos                       | mg/kg | <0.1       | <0.1       |
| Fenthion                            | mg/kg | <0.1       | <0.1       |
| Parathion                           | mg/kg | <0.1       | <0.1       |
| Bromophos-ethyl                     | mg/kg | <0.1       | <0.1       |
| Methidathion                        | mg/kg | <0.1       | <0.1       |
| Fenamiphos                          | mg/kg | <0.1       | <0.1       |
| Ethion                              | mg/kg | <0.1       | <0.1       |
| Phosalone                           | mg/kg | <0.1       | <0.1       |
| Azinphos-methyl (Guthion)           | mg/kg | <0.1       | <0.1       |
| Coumaphos                           | mg/kg | <0.1       | <0.1       |
| Surrogate 4-Chloro-3-NBTF           | %     | 92         | 88         |

| PCBs in Soil               |       |            |            |
|----------------------------|-------|------------|------------|
| Our Reference              |       | 378827-1   | 378827-2   |
| Your Reference             | UNITS | 303        | 305        |
| Depth                      |       | 3.0        | 3.0        |
| Date Sampled               |       | 14/04/2025 | 14/04/2025 |
| Type of sample             |       | Soil       | Soil       |
| Date extracted             | -     | 24/04/2025 | 24/04/2025 |
| Date analysed              | -     | 24/04/2025 | 24/04/2025 |
| Aroclor 1016               | mg/kg | <0.1       | <0.1       |
| Aroclor 1221               | mg/kg | <0.1       | <0.1       |
| Aroclor 1232               | mg/kg | <0.1       | <0.1       |
| Aroclor 1242               | mg/kg | <0.1       | <0.1       |
| Aroclor 1248               | mg/kg | <0.1       | <0.1       |
| Aroclor 1254               | mg/kg | <0.1       | <0.1       |
| Aroclor 1260               | mg/kg | <0.1       | <0.1       |
| Total +ve PCBs (1016-1260) | mg/kg | <0.1       | <0.1       |
| Surrogate 2-Fluorobiphenyl | %     | 80         | 81         |

| Acid Extractable metals in soil |       |            |            |
|---------------------------------|-------|------------|------------|
| Our Reference                   |       | 378827-1   | 378827-2   |
| Your Reference                  | UNITS | 303        | 305        |
| Depth                           |       | 3.0        | 3.0        |
| Date Sampled                    |       | 14/04/2025 | 14/04/2025 |
| Type of sample                  |       | Soil       | Soil       |
| Date prepared                   | -     | 24/04/2025 | 24/04/2025 |
| Date analysed                   | -     | 30/04/2025 | 30/04/2025 |
| Arsenic                         | mg/kg | 10         | 9          |
| Boron                           | mg/kg | <10        | <10        |
| Beryllium                       | mg/kg | <1         | <1         |
| Cadmium                         | mg/kg | <0.4       | <0.4       |
| Chromium                        | mg/kg | 9          | 8          |
| Copper                          | mg/kg | 9          | 13         |
| Cobalt                          | mg/kg | 7          | 4          |
| Iron                            | mg/kg | 26,000     | 23,000     |
| Lead                            | mg/kg | 10         | 12         |
| Manganese                       | mg/kg | 210        | 380        |
| Mercury                         | mg/kg | <0.1       | <0.1       |
| Molybdenum                      | mg/kg | <1         | <1         |
| Nickel                          | mg/kg | 7          | 4          |
| Selenium                        | mg/kg | <2         | <2         |
| Silver                          | mg/kg | <1         | <1         |
| Zinc                            | mg/kg | 34         | 31         |

| Moisture       |       |            |            |
|----------------|-------|------------|------------|
| Our Reference  |       | 378827-1   | 378827-2   |
| Your Reference | UNITS | 303        | 305        |
| Depth          |       | 3.0        | 3.0        |
| Date Sampled   |       | 14/04/2025 | 14/04/2025 |
| Type of sample |       | Soil       | Soil       |
| Date prepared  | -     | 24/04/2025 | 24/04/2025 |
| Date analysed  | -     | 28/04/2025 | 28/04/2025 |
| Moisture       | %     | 11         | 17         |

| Misc Inorg - Soil                      |          |            |            |
|----------------------------------------|----------|------------|------------|
| Our Reference                          |          | 378827-1   | 378827-2   |
| Your Reference                         | UNITS    | 303        | 305        |
| Depth                                  |          | 3.0        | 3.0        |
| Date Sampled                           |          | 14/04/2025 | 14/04/2025 |
| Type of sample                         |          | Soil       | Soil       |
| Date prepared                          | -        | 28/04/2025 | 28/04/2025 |
| Date analysed                          | -        | 28/04/2025 | 28/04/2025 |
| pH 1:5 soil:water                      | pH Units | 7.6        | 7.9        |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 23         | 27         |

| Method ID              | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inorg-001</b>       | pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.                                                                                                                                                                                                                                                                                                                                              |
| <b>Inorg-002</b>       | Conductivity and Salinity - measured using a conductivity cell.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Inorg-008</b>       | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Metals-020</b>      | <p>Determination of various metals by ICP-AES.</p> <p>Total Phosphate determined stoichiometrically from Phosphorus (assumed to be present as Phosphate).</p> <p>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.</p>                                                                                                                              |
| <b>Metals-021</b>      | Determination of Mercury by Cold Vapour AAS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Org-020</b>         | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.</p> <p>F2 = (&gt;C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.</p>                                                                                                                                                                                        |
| <b>Org-020</b>         | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.</p> <p>F2 = (&gt;C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.</p> <p>Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (&gt;C10-C40).</p> |
| <b>Org-021/022/025</b> | <p>Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS.</p> <p>Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.</p>                                                                                                                                                                                                |
| <b>Org-022/025</b>     | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Org-022/025</b>     | <p>Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS.</p> <p>Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.</p>                                                                                                                                                                                                  |

| Method ID          | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Org-022/025</b> | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.</p> |
| <b>Org-023</b>     | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Org-023</b>     | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Org-023</b>     | <p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| QUALITY CONTROL: VOCs in soil - Low Level |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date Extracted                            | -     |     |         | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date Analysed                             | -     |     |         | 28/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 28/04/2025 | [NT] |
| Dichlorodifluoromethane                   | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloromethane                             | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Vinyl Chloride                            | mg/kg | 0.3 | Org-023 | <0.3       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromomethane                              | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloroethane                              | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Trichlorofluoromethane                    | mg/kg | 0.7 | Org-023 | <0.7       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1-Dichloroethene                        | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| trans-1,2-Dichloroethene                  | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1-Dichloroethane                        | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| cis-1,2-Dichloroethene                    | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromochloromethane                        | mg/kg | 0.5 | Org-023 | <0.5       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloroform                                | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 117        | [NT] |
| 2,2-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,2-Dichloroethane                        | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 107        | [NT] |
| 1,1,1-Trichloroethane                     | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| 1,1-Dichloropropene                       | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Cyclohexane                               | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Carbon Tetrachloride                      | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzene                                   | mg/kg | 0.2 | Org-023 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Dibromomethane                            | mg/kg | 0.5 | Org-023 | <0.5       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,2-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Trichloroethene                           | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 108        | [NT] |
| Bromodichloromethane                      | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 107        | [NT] |
| trans-1,3-Dichloropropene                 | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| cis-1,3-Dichloropropene                   | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1,2-Trichloroethane                     | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Toluene                                   | mg/kg | 0.5 | Org-023 | <0.5       | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| 1,3-Dichloropropane                       | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibromochloromethane                      | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| 1,2-Dibromoethane                         | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Tetrachloroethene                         | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| 1,1,1,2-Tetrachloroethane                 | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chlorobenzene                             | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Ethylbenzene                              | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| Bromoform                                 | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| m+p-Xylene                                | mg/kg | 0.2 | Org-023 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Styrene                                   | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1,2,2-Tetrachloroethane                 | mg/kg | 0.1 | Org-023 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |

| QUALITY CONTROL: VOCs in soil - Low Level |       |     |         |       | Duplicate |      |      |      | Spike Recovery % |      |
|-------------------------------------------|-------|-----|---------|-------|-----------|------|------|------|------------------|------|
| Test Description                          | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD  | LCS-1            | [NT] |
| o-Xylene                                  | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | 119              | [NT] |
| 1,2,3-Trichloropropane                    | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Isopropylbenzene                          | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Bromobenzene                              | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| n-Propylbenzene                           | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 2-Chlorotoluene                           | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 4-Chlorotoluene                           | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,3,5-Trimethylbenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| tert-Butylbenzene                         | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,2,4-Trimethylbenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,3-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| sec-Butylbenzene                          | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,4-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 4-Isopropyltoluene                        | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,2-Dichlorobenzene                       | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| n-Butylbenzene                            | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,2-Dibromo-3-chloropropane               | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,2,4-Trichlorobenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Hexachlorobutadiene                       | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| 1,2,3-Trichlorobenzene                    | mg/kg | 0.1 | Org-023 | <0.1  | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Surrogate Dibromofluoromethane            | %     |     | Org-023 | 95    | [NT]      | [NT] | [NT] | [NT] | 94               | [NT] |
| Surrogate aaa-Trifluorotoluene            | %     |     | Org-023 | 106   | [NT]      | [NT] | [NT] | [NT] | 106              | [NT] |
| Surrogate Toluene-d <sub>8</sub>          | %     |     | Org-023 | 99    | [NT]      | [NT] | [NT] | [NT] | 96               | [NT] |
| Surrogate 4-Bromofluorobenzene            | %     |     | Org-023 | 92    | [NT]      | [NT] | [NT] | [NT] | 96               | [NT] |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|---------------------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                            | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                              | -     |     |         | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                               | -     |     |         | 28/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 28/04/2025 | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>         | mg/kg | 25  | Org-023 | <25        | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>        | mg/kg | 25  | Org-023 | <25        | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| Benzene                                     | mg/kg | 0.2 | Org-023 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Toluene                                     | mg/kg | 0.5 | Org-023 | <0.5       | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| Ethylbenzene                                | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| m+p-xylene                                  | mg/kg | 2   | Org-023 | <2         | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| o-Xylene                                    | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | 119        | [NT] |
| Naphthalene                                 | mg/kg | 1   | Org-023 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate aaa-Trifluorotoluene              | %     |     | Org-023 | 106        | [NT]      | [NT] | [NT] | [NT]             | 106        | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|------------------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                         | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                           | -     |     |         | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                            | -     |     |         | 26/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 26/04/2025 | [NT] |
| TRH C <sub>10</sub> - C <sub>14</sub>    | mg/kg | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| TRH C <sub>15</sub> - C <sub>28</sub>    | mg/kg | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| TRH C <sub>29</sub> - C <sub>36</sub>    | mg/kg | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 114        | [NT] |
| TRH >C <sub>10</sub> -C <sub>16</sub>    | mg/kg | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| TRH >C <sub>16</sub> -C <sub>34</sub>    | mg/kg | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| TRH >C <sub>34</sub> -C <sub>40</sub>    | mg/kg | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 114        | [NT] |
| Surrogate o-Terphenyl                    | %     |     | Org-020 | 86         | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |

| QUALITY CONTROL: PAHs in Soil |       |      |             |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------|-------|------|-------------|------------|-----------|------|------|------------------|------------|------|
| Test Description              | Units | PQL  | Method      | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                | -     |      |             | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                 | -     |      |             | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Naphthalene                   | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 76         | [NT] |
| Acenaphthylene                | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Acenaphthene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 74         | [NT] |
| Fluorene                      | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 80         | [NT] |
| Phenanthrene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 76         | [NT] |
| Anthracene                    | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluoranthene                  | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 76         | [NT] |
| Pyrene                        | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 78         | [NT] |
| Benzo(a)anthracene            | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chrysene                      | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| Benzo(b,j+k)fluoranthene      | mg/kg | 0.2  | Org-022/025 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(a)pyrene                | mg/kg | 0.05 | Org-022/025 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | 74         | [NT] |
| Indeno(1,2,3-c,d)pyrene       | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibenzo(a,h)anthracene        | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(g,h,i)perylene          | mg/kg | 0.1  | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate p-Terphenyl-d14     | %     |      | Org-022/025 | 83         | [NT]      | [NT] | [NT] | [NT]             | 79         | [NT] |

| QUALITY CONTROL: Organochlorine Pesticides in soil |       |     |             |            | Duplicate |      |      | Spike Recovery % |            |      |
|----------------------------------------------------|-------|-----|-------------|------------|-----------|------|------|------------------|------------|------|
| Test Description                                   | Units | PQL | Method      | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                                     | -     |     |             | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                                      | -     |     |             | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| alpha-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 84         | [NT] |
| HCB                                                | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| beta-BHC                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 84         | [NT] |
| gamma-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Heptachlor                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 80         | [NT] |
| delta-BHC                                          | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aldrin                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 76         | [NT] |
| Heptachlor Epoxide                                 | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 90         | [NT] |
| gamma-Chlordane                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| alpha-chlordane                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan I                                       | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDE                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 68         | [NT] |
| Dieldrin                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 84         | [NT] |
| Endrin                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 82         | [NT] |
| Endosulfan II                                      | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDD                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 68         | [NT] |
| Endrin Aldehyde                                    | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDT                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan Sulphate                                | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 72         | [NT] |
| Methoxychlor                                       | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Mirex                                              | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate 4-Chloro-3-NBTF                          | %     |     | Org-022/025 | 99         | [NT]      | [NT] | [NT] | [NT]             | 105        | [NT] |

| QUALITY CONTROL: Organophosphorus Pesticides in Soil |       |     |             |            |      | Duplicate |      | Spike Recovery % |            |      |
|------------------------------------------------------|-------|-----|-------------|------------|------|-----------|------|------------------|------------|------|
| Test Description                                     | Units | PQL | Method      | Blank      | #    | Base      | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                                       | -     |     |             | 24/04/2025 | [NT] | [NT]      | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                                        | -     |     |             | 24/04/2025 | [NT] | [NT]      | [NT] | [NT]             | 24/04/2025 | [NT] |
| Dichlorvos                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 94         | [NT] |
| Mevinphos                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Phorate                                              | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Dimethoate                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Diazinon                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Disulfoton                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Chlorpyrifos-methyl                                  | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Parathion-Methyl                                     | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Ronnel                                               | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 84         | [NT] |
| Fenitrothion                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 90         | [NT] |
| Malathion                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 94         | [NT] |
| Chlorpyriphos                                        | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 86         | [NT] |
| Fenthion                                             | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Parathion                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 88         | [NT] |
| Bromophos-ethyl                                      | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Methidathion                                         | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Fenamiphos                                           | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Ethion                                               | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | 70         | [NT] |
| Phosalone                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Azinphos-methyl (Guthion)                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Coumaphos                                            | mg/kg | 0.1 | Org-022/025 | <0.1       | [NT] | [NT]      | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate 4-Chloro-3-NBTF                            | %     |     | Org-022/025 | 99         | [NT] | [NT]      | [NT] | [NT]             | 105        | [NT] |

| QUALITY CONTROL: PCBs in Soil |       |     |                 |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------|-------|-----|-----------------|------------|-----------|------|------|------------------|------------|------|
| Test Description              | Units | PQL | Method          | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date extracted                | -     |     |                 | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                 | -     |     |                 | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Aroclor 1016                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aroclor 1221                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aroclor 1232                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aroclor 1242                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aroclor 1248                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aroclor 1254                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 65         | [NT] |
| Aroclor 1260                  | mg/kg | 0.1 | Org-021/022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate 2-Fluorobiphenyl    | %     |     | Org-021/022/025 | 89         | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |

| QUALITY CONTROL: Acid Extractable metals in soil |       |     |            |            | Duplicate |      |      | Spike Recovery % |            |      |
|--------------------------------------------------|-------|-----|------------|------------|-----------|------|------|------------------|------------|------|
| Test Description                                 | Units | PQL | Method     | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date prepared                                    | -     |     |            | 24/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 24/04/2025 | [NT] |
| Date analysed                                    | -     |     |            | 30/04/2025 | [NT]      | [NT] | [NT] | [NT]             | 30/04/2025 | [NT] |
| Arsenic                                          | mg/kg | 4   | Metals-020 | <4         | [NT]      | [NT] | [NT] | [NT]             | 104        | [NT] |
| Boron                                            | mg/kg | 10  | Metals-020 | <10        | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |
| Beryllium                                        | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 98         | [NT] |
| Cadmium                                          | mg/kg | 0.4 | Metals-020 | <0.4       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Chromium                                         | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 96         | [NT] |
| Copper                                           | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| Cobalt                                           | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Iron                                             | mg/kg | 10  | Metals-020 | <10        | [NT]      | [NT] | [NT] | [NT]             | 104        | [NT] |
| Lead                                             | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Manganese                                        | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 108        | [NT] |
| Mercury                                          | mg/kg | 0.1 | Metals-021 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Molybdenum                                       | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 96         | [NT] |
| Nickel                                           | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Selenium                                         | mg/kg | 2   | Metals-020 | <2         | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Silver                                           | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| Zinc                                             | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 98         | [NT] |

| QUALITY CONTROL: Misc Inorg - Soil     |          |     |           |            | Duplicate |            |            | Spike Recovery % |            |      |
|----------------------------------------|----------|-----|-----------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                       | Units    | PQL | Method    | Blank      | #         | Base       | Dup.       | RPD              | LCS-1      | [NT] |
| Date prepared                          | -        |     |           | 28/04/2025 | 1         | 28/04/2025 | 28/04/2025 |                  | 28/04/2025 | [NT] |
| Date analysed                          | -        |     |           | 28/04/2025 | 1         | 28/04/2025 | 28/04/2025 |                  | 28/04/2025 | [NT] |
| pH 1:5 soil:water                      | pH Units |     | Inorg-001 | [NT]       | 1         | 7.6        | 7.6        | 0                | 100        | [NT] |
| Electrical Conductivity 1:5 soil:water | µS/cm    | 1   | Inorg-002 | <1         | 1         | 23         | 22         | 4                | 94         | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

MISC\_INORG\_DRY: pH/EC

Samples were out of the recommended holding time for this analysis.

## **CERTIFICATE OF ANALYSIS 379259**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer, Sarah Krebs                              |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 - Gloucester</u></b> |
| <b>Number of Samples</b>                    | 18 Water                             |
| <b>Date samples received</b>                | 30/04/2025                           |
| <b>Date completed instructions received</b> | 30/04/2025                           |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.  
 Samples were analysed as received from the client. Results relate specifically to the samples as received.  
 Results are reported on a dry weight basis for solids and on an as received basis for other matrices.  
**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 07/05/2025 |
| <b>Date of Issue</b>                                                                                        | 07/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Amanda Chui, LC/Air Toxics Supervisor  
 Diego Bigolin, Inorganics Supervisor  
 Dragana Tomas, Senior Chemist  
 Giovanni Agosti, Group Technical Manager  
 Loren Bardwell, Development Chemist  
 Timothy Toll, Senior Chemist

#### **Authorised By**

Nancy Zhang, Laboratory Manager

## VOCs in Water - Low Level

| Our Reference             |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
|---------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference            | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled              |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample            |       | Water      | Water      | Water      | Water      | Water      |
| Date Extracted            | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Date Analysed             | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| MTBE                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dichlorodifluoromethane   | µg/L  | <2         | <2         | <2         | <2         | <2         |
| Chloromethane             | µg/L  | <2         | <2         | <2         | <2         | <2         |
| Vinyl Chloride            | µg/L  | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Bromomethane              | µg/L  | <2         | <2         | <2         | <2         | <2         |
| Chloroethane              | µg/L  | <2         | <2         | <2         | <2         | <2         |
| Trichlorofluoromethane    | µg/L  | <2         | <2         | <2         | <2         | <2         |
| 1,1-Dichloroethene        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Trans-1,2-dichloroethene  | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1-dichloroethane        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Cis-1,2-dichloroethene    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromochloromethane        | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Chloroform                | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| 2,2-dichloropropane       | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-dichloroethane        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,1-trichloroethane     | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Cyclohexane               | µg/L  | <0.1       | <0.1       | <0.1       | 13         | 34         |
| 1,1-dichloropropene       | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Carbon tetrachloride      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzene                   | µg/L  | <0.1       | <0.1       | <0.1       | 2.4        | 20         |
| Dibromomethane            | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| 1,2-dichloropropane       | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Trichloroethene           | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Bromodichloromethane      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| trans-1,3-dichloropropene | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| cis-1,3-dichloropropene   | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,2-trichloroethane     | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Toluene                   | µg/L  | <0.1       | <0.1       | <0.1       | 0.4        | 2.7        |
| 1,3-dichloropropane       | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibromochloromethane      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-dibromoethane         | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Tetrachloroethene         | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,1,2-tetrachloroethane | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chlorobenzene             | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |

## VOCs in Water - Low Level

| Our Reference                  |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                 | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                   |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                 |       | Water      | Water      | Water      | Water      | Water      |
| Ethylbenzene                   | µg/L  | <0.1       | <0.1       | <0.1       | 0.3        | 15         |
| Bromoform                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| m+p-xylene                     | µg/L  | 0.20       | <0.2       | <0.2       | 1.1        | 23         |
| Styrene                        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,1,2,2-tetrachloroethane      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| o-xylene                       | µg/L  | <0.1       | <0.1       | <0.1       | 0.3        | <0.1       |
| 1,2,3-trichloropropane         | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Isopropylbenzene               | µg/L  | <0.1       | <0.1       | <0.1       | 0.7        | 4.4        |
| Bromobenzene                   | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| n-propyl benzene               | µg/L  | <0.1       | <0.1       | <0.1       | 1          | 14         |
| 2-chlorotoluene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 4-chlorotoluene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,3,5-trimethyl benzene        | µg/L  | <0.1       | <0.1       | <0.1       | 0.1        | 6.2        |
| Tert-butyl benzene             | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2,4-trimethyl benzene        | µg/L  | <0.1       | <0.1       | <0.1       | 0.3        | 26         |
| 1,3-dichlorobenzene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Sec-butyl benzene              | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,4-dichlorobenzene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 4-isopropyl toluene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-dichlorobenzene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| n-butyl benzene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2-dibromo-3-chloropropane    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| 1,2,4-trichlorobenzene         | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Hexachlorobutadiene            | µg/L  | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| 1,2,3-trichlorobenzene         | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Surrogate Dibromofluoromethane | %     | 113        | 102        | 116        | 102        | 92         |
| Surrogate toluene-d8           | %     | 102        | 97         | 102        | 100        | 101        |
| Surrogate 4-BFB                | %     | 86         | 96         | 99         | 99         | 99         |

## VOCs in Water - Low Level

| Our Reference             |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
|---------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference            | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled              |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample            |       | Water      | Water      | Water      | Water      | Water      |
| Date Extracted            | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Date Analysed             | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| MTBE                      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Dichlorodifluoromethane   | µg/L  | <2         | <20        | <2         | <2         | <20        |
| Chloromethane             | µg/L  | <2         | <20        | <2         | <2         | <20        |
| Vinyl Chloride            | µg/L  | <0.2       | <2.0       | <0.2       | <0.2       | <2.0       |
| Bromomethane              | µg/L  | <2         | <20        | <2         | <2         | <20        |
| Chloroethane              | µg/L  | <2         | <20        | <2         | <2         | <20        |
| Trichlorofluoromethane    | µg/L  | <2         | <20        | <2         | <2         | <20        |
| 1,1-Dichloroethene        | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Trans-1,2-dichloroethene  | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,1-dichloroethane        | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Cis-1,2-dichloroethene    | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Bromochloromethane        | µg/L  | <0.5       | <5.0       | <0.5       | <0.5       | <5.0       |
| Chloroform                | µg/L  | <0.5       | <5.0       | <0.5       | <0.5       | <5.0       |
| 2,2-dichloropropane       | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,2-dichloroethane        | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,1,1-trichloroethane     | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Cyclohexane               | µg/L  | <0.1       | 710        | <0.1       | <0.1       | 170        |
| 1,1-dichloropropene       | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Carbon tetrachloride      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Benzene                   | µg/L  | <0.1       | 11,000     | <0.1       | <0.1       | 1,000      |
| Dibromomethane            | µg/L  | <0.5       | <5.0       | <0.5       | <0.5       | <5.0       |
| 1,2-dichloropropane       | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Trichloroethene           | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Bromodichloromethane      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| trans-1,3-dichloropropene | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| cis-1,3-dichloropropene   | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,1,2-trichloroethane     | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Toluene                   | µg/L  | <0.1       | 5,100      | <0.1       | 0.8        | 1,400      |
| 1,3-dichloropropane       | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Dibromochloromethane      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,2-dibromoethane         | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Tetrachloroethene         | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,1,1,2-tetrachloroethane | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Chlorobenzene             | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |

## VOCs in Water - Low Level

| Our Reference                  |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                 | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                   |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                 |       | Water      | Water      | Water      | Water      | Water      |
| Ethylbenzene                   | µg/L  | <0.1       | 2,300      | <0.1       | 0.4        | 530        |
| Bromoform                      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| m+p-xylene                     | µg/L  | <0.2       | 9,500      | 0.46       | 1.5        | 2,100      |
| Styrene                        | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,1,2,2-tetrachloroethane      | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| o-xylene                       | µg/L  | <0.1       | 2,000      | <0.1       | 0.5        | 750        |
| 1,2,3-trichloropropane         | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Isopropylbenzene               | µg/L  | <0.1       | 78         | <0.1       | <0.1       | 29         |
| Bromobenzene                   | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| n-propyl benzene               | µg/L  | <0.1       | 220        | <0.1       | <0.1       | 92         |
| 2-chlorotoluene                | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 4-chlorotoluene                | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,3,5-trimethyl benzene        | µg/L  | <0.1       | 480        | <0.1       | 0.2        | 160        |
| Tert-butyl benzene             | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,2,4-trimethyl benzene        | µg/L  | <0.1       | 1,900      | 0.2        | 0.4        | 520        |
| 1,3-dichlorobenzene            | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Sec-butyl benzene              | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,4-dichlorobenzene            | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 4-isopropyl toluene            | µg/L  | <0.1       | 21         | <0.1       | <0.1       | 9.8        |
| 1,2-dichlorobenzene            | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| n-butyl benzene                | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,2-dibromo-3-chloropropane    | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| 1,2,4-trichlorobenzene         | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Hexachlorobutadiene            | µg/L  | <0.2       | <2.0       | <0.2       | <0.2       | <2.0       |
| 1,2,3-trichlorobenzene         | µg/L  | <0.1       | <1.0       | <0.1       | <0.1       | <1.0       |
| Surrogate Dibromofluoromethane | %     | 112        | 89         | 116        | 113        | 95         |
| Surrogate toluene-d8           | %     | 101        | 104        | 104        | 102        | 102        |
| Surrogate 4-BFB                | %     | 98         | 87         | 87         | 86         | 86         |

## VOCs in Water - Low Level

| Our Reference             |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
|---------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference            | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled              |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample            |       | Water      | Water      | Water      | Water      | Water      |
| Date Extracted            | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Date Analysed             | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| MTBE                      | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Dichlorodifluoromethane   | µg/L  | <20        | <2         | <20        | <20        | <2         |
| Chloromethane             | µg/L  | <20        | <2         | <20        | <20        | <2         |
| Vinyl Chloride            | µg/L  | <2.0       | <0.2       | <2.0       | <2.0       | <0.2       |
| Bromomethane              | µg/L  | <20        | <2         | <20        | <20        | <2         |
| Chloroethane              | µg/L  | <20        | <2         | <20        | <20        | <2         |
| Trichlorofluoromethane    | µg/L  | <20        | <2         | <20        | <20        | <2         |
| 1,1-Dichloroethene        | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Trans-1,2-dichloroethene  | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,1-dichloroethane        | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Cis-1,2-dichloroethene    | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Bromochloromethane        | µg/L  | <5.0       | <0.5       | <5.0       | <5.0       | <0.5       |
| Chloroform                | µg/L  | <5.0       | <0.5       | <5.0       | <5.0       | <0.5       |
| 2,2-dichloropropane       | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,2-dichloroethane        | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,1,1-trichloroethane     | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Cyclohexane               | µg/L  | 540        | 100        | 490        | 120        | <0.1       |
| 1,1-dichloropropene       | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Carbon tetrachloride      | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Benzene                   | µg/L  | 3,800      | 110        | 2,200      | 140        | <0.1       |
| Dibromomethane            | µg/L  | <5.0       | <0.5       | <5.0       | <5.0       | <0.5       |
| 1,2-dichloropropane       | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Trichloroethene           | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Bromodichloromethane      | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| trans-1,3-dichloropropene | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| cis-1,3-dichloropropene   | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,1,2-trichloroethane     | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Toluene                   | µg/L  | 1,700      | 3.6        | 160        | 8.1        | <0.1       |
| 1,3-dichloropropane       | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Dibromochloromethane      | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,2-dibromoethane         | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Tetrachloroethene         | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,1,1,2-tetrachloroethane | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Chlorobenzene             | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |

## VOCs in Water - Low Level

| Our Reference                  |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                 | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                   |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                 |       | Water      | Water      | Water      | Water      | Water      |
| Ethylbenzene                   | µg/L  | 730        | 11         | 2,300      | 460        | <0.1       |
| Bromoform                      | µg/L  | <1         | <0.1       | <1.0       | <1.0       | <0.1       |
| m+p-xylene                     | µg/L  | 3,800      | 25         | 6,400      | 1,200      | <0.2       |
| Styrene                        | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,1,2,2-tetrachloroethane      | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| o-xylene                       | µg/L  | 1,000      | 2.3        | 600        | 14         | <0.1       |
| 1,2,3-trichloropropane         | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Isopropylbenzene               | µg/L  | 66         | 8.5        | 99         | 35         | <0.1       |
| Bromobenzene                   | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| n-propyl benzene               | µg/L  | 180        | 22         | 290        | 62         | <0.1       |
| 2-chlorotoluene                | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 4-chlorotoluene                | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,3,5-trimethyl benzene        | µg/L  | 280        | 5.0        | 410        | 210        | <0.1       |
| Tert-butyl benzene             | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,2,4-trimethyl benzene        | µg/L  | 970        | 12         | 1,700      | 840        | <0.1       |
| 1,3-dichlorobenzene            | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Sec-butyl benzene              | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,4-dichlorobenzene            | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 4-isopropyl toluene            | µg/L  | 16         | 0.5        | 17         | 11         | <0.1       |
| 1,2-dichlorobenzene            | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| n-butyl benzene                | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,2-dibromo-3-chloropropane    | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| 1,2,4-trichlorobenzene         | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Hexachlorobutadiene            | µg/L  | <2.0       | <0.2       | <2         | <2.0       | <0.2       |
| 1,2,3-trichlorobenzene         | µg/L  | <1.0       | <0.1       | <1.0       | <1.0       | <0.1       |
| Surrogate Dibromofluoromethane | %     | 92         | 103        | 94         | 102        | 111        |
| Surrogate toluene-d8           | %     | 103        | 98         | 106        | 111        | 101        |
| Surrogate 4-BFB                | %     | 86         | 86         | 86         | 95         | 92         |

| VOCs in Water - Low Level |       |            |
|---------------------------|-------|------------|
| Our Reference             |       | 379259-16  |
| Your Reference            | UNITS | R1/GW      |
| Date Sampled              |       | 29/04/2025 |
| Type of sample            |       | Water      |
| Date Extracted            | -     | 02/05/2025 |
| Date Analysed             | -     | 05/05/2025 |
| MTBE                      | µg/L  | <0.1       |
| Dichlorodifluoromethane   | µg/L  | <2         |
| Chloromethane             | µg/L  | <2         |
| Vinyl Chloride            | µg/L  | <0.2       |
| Bromomethane              | µg/L  | <2         |
| Chloroethane              | µg/L  | <2         |
| Trichlorofluoromethane    | µg/L  | <2         |
| 1,1-Dichloroethene        | µg/L  | <0.1       |
| Trans-1,2-dichloroethene  | µg/L  | <0.1       |
| 1,1-dichloroethane        | µg/L  | <0.1       |
| Cis-1,2-dichloroethene    | µg/L  | <0.1       |
| Bromochloromethane        | µg/L  | <0.5       |
| Chloroform                | µg/L  | <0.5       |
| 2,2-dichloropropane       | µg/L  | <0.1       |
| 1,2-dichloroethane        | µg/L  | <0.1       |
| 1,1,1-trichloroethane     | µg/L  | <0.1       |
| Cyclohexane               | µg/L  | 0.1        |
| 1,1-dichloropropene       | µg/L  | <0.1       |
| Carbon tetrachloride      | µg/L  | <0.1       |
| Benzene                   | µg/L  | <0.1       |
| Dibromomethane            | µg/L  | <0.5       |
| 1,2-dichloropropane       | µg/L  | <0.1       |
| Trichloroethene           | µg/L  | <0.1       |
| Bromodichloromethane      | µg/L  | <0.1       |
| trans-1,3-dichloropropene | µg/L  | <0.1       |
| cis-1,3-dichloropropene   | µg/L  | <0.1       |
| 1,1,2-trichloroethane     | µg/L  | <0.1       |
| Toluene                   | µg/L  | <0.1       |
| 1,3-dichloropropane       | µg/L  | <0.1       |
| Dibromochloromethane      | µg/L  | <0.1       |
| 1,2-dibromoethane         | µg/L  | <0.1       |
| Tetrachloroethene         | µg/L  | <0.1       |
| 1,1,1,2-tetrachloroethane | µg/L  | <0.1       |
| Chlorobenzene             | µg/L  | <0.1       |

| VOCs in Water - Low Level      |       |            |
|--------------------------------|-------|------------|
| Our Reference                  |       | 379259-16  |
| Your Reference                 | UNITS | R1/GW      |
| Date Sampled                   |       | 29/04/2025 |
| Type of sample                 |       | Water      |
| Ethylbenzene                   | µg/L  | <0.1       |
| Bromoform                      | µg/L  | <0.1       |
| m+p-xylene                     | µg/L  | <0.2       |
| Styrene                        | µg/L  | <0.1       |
| 1,1,2,2-tetrachloroethane      | µg/L  | <0.1       |
| o-xylene                       | µg/L  | <0.1       |
| 1,2,3-trichloropropane         | µg/L  | <0.1       |
| Isopropylbenzene               | µg/L  | <0.1       |
| Bromobenzene                   | µg/L  | <0.1       |
| n-propyl benzene               | µg/L  | <0.1       |
| 2-chlorotoluene                | µg/L  | <0.1       |
| 4-chlorotoluene                | µg/L  | <0.1       |
| 1,3,5-trimethyl benzene        | µg/L  | <0.1       |
| Tert-butyl benzene             | µg/L  | <0.1       |
| 1,2,4-trimethyl benzene        | µg/L  | <0.1       |
| 1,3-dichlorobenzene            | µg/L  | <0.1       |
| Sec-butyl benzene              | µg/L  | <0.1       |
| 1,4-dichlorobenzene            | µg/L  | <0.1       |
| 4-isopropyl toluene            | µg/L  | <0.1       |
| 1,2-dichlorobenzene            | µg/L  | <0.1       |
| n-butyl benzene                | µg/L  | <0.1       |
| 1,2-dibromo-3-chloropropane    | µg/L  | <0.1       |
| 1,2,4-trichlorobenzene         | µg/L  | <0.1       |
| Hexachlorobutadiene            | µg/L  | <0.2       |
| 1,2,3-trichlorobenzene         | µg/L  | <0.1       |
| Surrogate Dibromofluoromethane | %     | 112        |
| Surrogate toluene-d8           | %     | 103        |
| Surrogate 4-BFB                | %     | 94         |

| vTRH(C6-C10)/BTEXN in Water                         |       |            |            |            |            |            |
|-----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                       |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference                                      | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                                        |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                                      |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                      | -     | 05/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Date analysed                                       | -     | 06/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | <10        | <10        | <10        | 110        | 490        |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | <10        | <10        | <10        | 120        | 600        |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | <10        | <10        | <10        | 120        | 540        |
| Benzene                                             | µg/L  | <1         | <1         | <1         | 2          | 20         |
| Toluene                                             | µg/L  | <1         | <1         | <1         | <1         | 3          |
| Ethylbenzene                                        | µg/L  | <1         | <1         | <1         | <1         | 15         |
| m+p-xylene                                          | µg/L  | <2         | <2         | <2         | <2         | 23         |
| o-xylene                                            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Naphthalene                                         | µg/L  | <1         | <1         | <1         | <1         | 10         |
| Surrogate Dibromofluoromethane                      | %     | 113        | 102        | 116        | 102        | 92         |
| Surrogate Toluene-d8                                | %     | 102        | 97         | 102        | 100        | 101        |
| Surrogate 4-Bromofluorobenzene                      | %     | 86         | 96         | 99         | 99         | 99         |

| vTRH(C6-C10)/BTEXN in Water                         |       |            |            |            |            |            |
|-----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                       |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                                      | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                                        |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                                      |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                      | -     | 02/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| Date analysed                                       | -     | 05/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | <10        | 42,000     | <10        | <10        | 8,300      |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | <10        | 48,000     | <10        | <10        | 11,000     |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | <10        | 18,000     | <10        | <10        | 5,200      |
| Benzene                                             | µg/L  | <1         | 11,000     | <1         | <1         | 1,000      |
| Toluene                                             | µg/L  | <1         | 5,100      | <1         | <1         | 1,400      |
| Ethylbenzene                                        | µg/L  | <1         | 2,300      | <1         | <1         | 530        |
| m+p-xylene                                          | µg/L  | <2         | 9,500      | <2         | <2         | 2,100      |
| o-xylene                                            | µg/L  | <1         | 2,000      | <1         | <1         | 750        |
| Naphthalene                                         | µg/L  | <1         | 460        | <1         | <1         | 110        |
| Surrogate Dibromofluoromethane                      | %     | 112        | 89         | 116        | 113        | 95         |
| Surrogate Toluene-d8                                | %     | 101        | 104        | 104        | 102        | 102        |
| Surrogate 4-Bromofluorobenzene                      | %     | 98         | 87         | 87         | 86         | 86         |

## vTRH(C6-C10)/BTEXN in Water

| Our Reference                                       |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
|-----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                                      | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                                        |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                                      |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                      | -     | 05/05/2025 | 02/05/2025 | 05/05/2025 | 06/05/2025 | 06/05/2025 |
| Date analysed                                       | -     | 06/05/2025 | 05/05/2025 | 06/05/2025 | 07/05/2025 | 07/05/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | 19,000     | 930        | 21,000     | 3,300      | <10        |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | 21,000     | 1,000      | 23,000     | 3,600      | <10        |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | 10,000     | 860        | 11,000     | 1,800      | <10        |
| Benzene                                             | µg/L  | 3,800      | 110        | 2,200      | 140        | <1         |
| Toluene                                             | µg/L  | 1,700      | 4          | 160        | 8          | <1         |
| Ethylbenzene                                        | µg/L  | 730        | 11         | 2,300      | 460        | <1         |
| m+p-xylene                                          | µg/L  | 3,800      | 25         | 6,400      | 1,200      | <2         |
| o-xylene                                            | µg/L  | 1,000      | 2          | 600        | 14         | <1         |
| Naphthalene                                         | µg/L  | 320        | 22         | 430        | 310        | <1         |
| Surrogate Dibromofluoromethane                      | %     | 92         | 103        | 94         | 102        | 111        |
| Surrogate Toluene-d8                                | %     | 103        | 98         | 106        | 111        | 101        |
| Surrogate 4-Bromofluorobenzene                      | %     | 86         | 86         | 86         | 95         | 92         |

## vTRH(C6-C10)/BTEXN in Water

| Our Reference                                       |       | 379259-16  | 379259-17  | 379259-18  |
|-----------------------------------------------------|-------|------------|------------|------------|
| Your Reference                                      | UNITS | R1/GW      | TB1/GW     | TS1/GW     |
| Date Sampled                                        |       | 29/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                                      |       | Water      | Water      | Water      |
| Date extracted                                      | -     | 06/05/2025 | 06/05/2025 | 05/05/2025 |
| Date analysed                                       | -     | 07/05/2025 | 07/05/2025 | 06/05/2025 |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | <10        | <10        | [NA]       |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | <10        | <10        | [NA]       |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | <10        | <10        | [NA]       |
| Benzene                                             | µg/L  | <1         | <1         | 115%       |
| Toluene                                             | µg/L  | <1         | <1         | 117%       |
| Ethylbenzene                                        | µg/L  | <1         | <1         | 104%       |
| m+p-xylene                                          | µg/L  | <2         | <2         | 107%       |
| o-xylene                                            | µg/L  | <1         | <1         | 108%       |
| Naphthalene                                         | µg/L  | <1         | <1         | [NA]       |
| Surrogate Dibromofluoromethane                      | %     | 112        | 110        | 103        |
| Surrogate Toluene-d8                                | %     | 103        | 101        | 102        |
| Surrogate 4-Bromofluorobenzene                      | %     | 94         | 92         | 91         |

| svTRH (C10-C40) in Water                                     |       |            |            |            |            |            |
|--------------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                                |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference                                               | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                                                 |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                                               |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                               | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                                                | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | <50        | <50        | <50        | <50        | 200        |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | <100       | <100       | <100       | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (C10-C36)                                      | µg/L  | <50        | <50        | <50        | <50        | 200        |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | <50        | <50        | <50        | <50        | 150        |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | <50        | <50        | <50        | <50        | 140        |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       | <100       | <100       | <100       | <100       |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                     | µg/L  | <50        | <50        | <50        | <50        | 150        |
| Surrogate o-Terphenyl                                        | %     | 100        | 96         | 99         | 109        | 108        |

| svTRH (C10-C40) in Water                                     |       |            |            |            |            |            |
|--------------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                                |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                                               | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                                                 |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                                               |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                               | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                                                | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | <50        | 7,100      | <50        | <50        | 2,300      |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | <100       | 210        | <100       | <100       | 100        |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (C10-C36)                                      | µg/L  | <50        | 7,400      | <50        | <50        | 2,400      |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | <50        | 3,500      | <50        | <50        | 1,100      |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | <50        | 3,100      | <50        | <50        | 970        |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       | 120        | <100       | <100       | <100       |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                     | µg/L  | <50        | 3,600      | <50        | <50        | 1,100      |
| Surrogate o-Terphenyl                                        | %     | 102        | 102        | 105        | 106        | 106        |

## svTRH (C10-C40) in Water

|                                                              |       |            |            |            |            |            |
|--------------------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                                |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
| Your Reference                                               | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                                                 |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                                               |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                                               | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                                                | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | 4,200      | 300        | 5,100      | 3,900      | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | 130        | <100       | <100       | 190        | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (C10-C36)                                      | µg/L  | 4,400      | 300        | 5,100      | 4,100      | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | 2,200      | 240        | 2,200      | 2,800      | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | 1,800      | 210        | 1,800      | 2,500      | <50        |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       | <100       | <100       | <100       | <100       |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                     | µg/L  | 2,200      | 240        | 2,200      | 2,800      | <50        |
| Surrogate o-Terphenyl                                        | %     | 99         | 98         | 95         | 98         | 100        |

## svTRH (C10-C40) in Water

|                                                              |       |            |
|--------------------------------------------------------------|-------|------------|
| Our Reference                                                |       | 379259-16  |
| Your Reference                                               | UNITS | R1/GW      |
| Date Sampled                                                 |       | 29/04/2025 |
| Type of sample                                               |       | Water      |
| Date extracted                                               | -     | 01/05/2025 |
| Date analysed                                                | -     | 02/05/2025 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       |
| Total +ve TRH (C10-C36)                                      | µg/L  | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | <50        |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       |
| Total +ve TRH (>C10-C40)                                     | µg/L  | <50        |
| Surrogate o-Terphenyl                                        | %     | 99         |

| PAHs in Water                     |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference                    | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                      |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                    |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                    | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                     | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Naphthalene                       | µg/L  | <0.1       | <0.1       | <0.1       | 0.2        | 0.5        |
| Acenaphthylene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                      | µg/L  | <0.1       | <0.1       | <0.1       | 0.3        | <0.1       |
| Fluorene                          | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phenanthrene                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Anthracene                        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Pyrene                            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                          | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | µg/L  | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)pyrene TEQ                | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Total +ve PAH's                   | µg/L  | <0.1       | <0.1       | <0.1       | 0.54       | 0.50       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 118        | 117        | 123        | 116        | 114        |

| PAHs in Water                     |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                    | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                      |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                    |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                    | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                     | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Naphthalene                       | µg/L  | <0.1       | 430        | <0.1       | <0.1       | 96         |
| Acenaphthylene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                      | µg/L  | <0.1       | 0.3        | <0.1       | <0.1       | 0.1        |
| Fluorene                          | µg/L  | <0.1       | 0.6        | <0.1       | <0.1       | 0.2        |
| Phenanthrene                      | µg/L  | <0.1       | 0.3        | <0.1       | <0.1       | 0.1        |
| Anthracene                        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Pyrene                            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                          | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | µg/L  | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)pyrene TEQ                | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Total +ve PAH's                   | µg/L  | <0.1       | 430        | <0.1       | <0.1       | 96         |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 123        | 117        | 123        | 124        | 120        |

| PAHs in Water                     |       |            |            |            |            |            |
|-----------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                     |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
| Your Reference                    | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                      |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                    |       | Water      | Water      | Water      | Water      | Water      |
| Date extracted                    | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                     | -     | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 | 02/05/2025 |
| Naphthalene                       | µg/L  | 240        | 16         | 310        | 240        | <0.1       |
| Acenaphthylene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                      | µg/L  | 0.2        | <0.1       | 0.2        | 0.5        | <0.1       |
| Fluorene                          | µg/L  | 0.7        | <0.1       | 0.5        | 1.1        | <0.1       |
| Phenanthrene                      | µg/L  | 0.5        | <0.1       | 0.3        | 0.6        | <0.1       |
| Anthracene                        | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                      | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Pyrene                            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                          | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene          | µg/L  | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                    | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene            | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene              | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)pyrene TEQ                | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Total +ve PAH's                   | µg/L  | 240        | 16         | 310        | 240        | <0.1       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 121        | 126        | 115        | 115        | 120        |

| PAHs in Water                     |       |            |
|-----------------------------------|-------|------------|
| Our Reference                     |       | 379259-16  |
| Your Reference                    | UNITS | R1/GW      |
| Date Sampled                      |       | 29/04/2025 |
| Type of sample                    |       | Water      |
| Date extracted                    | -     | 01/05/2025 |
| Date analysed                     | -     | 02/05/2025 |
| Naphthalene                       | µg/L  | <0.1       |
| Acenaphthylene                    | µg/L  | <0.1       |
| Acenaphthene                      | µg/L  | <0.1       |
| Fluorene                          | µg/L  | <0.1       |
| Phenanthrene                      | µg/L  | <0.1       |
| Anthracene                        | µg/L  | <0.1       |
| Fluoranthene                      | µg/L  | <0.1       |
| Pyrene                            | µg/L  | <0.1       |
| Benzo(a)anthracene                | µg/L  | <0.1       |
| Chrysene                          | µg/L  | <0.1       |
| Benzo(b,j+k)fluoranthene          | µg/L  | <0.2       |
| Benzo(a)pyrene                    | µg/L  | <0.1       |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <0.1       |
| Dibenzo(a,h)anthracene            | µg/L  | <0.1       |
| Benzo(g,h,i)perylene              | µg/L  | <0.1       |
| Benzo(a)pyrene TEQ                | µg/L  | <0.5       |
| Total +ve PAH's                   | µg/L  | <0.1       |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 120        |

| All metals in water-dissolved |       |            |            |            |            |            |
|-------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                 |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference                | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                  |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Silver-Dissolved              | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Aluminium-Dissolved           | µg/L  | <10        | <10        | <10        | <10        | <10        |
| Arsenic-Dissolved             | µg/L  | <1         | <1         | <1         | 9          | 9          |
| Beryllium-Dissolved           | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Boron-Dissolved               | µg/L  | 30         | <20        | 30         | <20        | <20        |
| Cadmium-Dissolved             | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chromium-Dissolved            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Cobalt-Dissolved              | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Copper-Dissolved              | µg/L  | 1          | 2          | 1          | <1         | <1         |
| Iron-Dissolved                | µg/L  | <10        | <10        | <10        | 2,200      | 1,000      |
| Lead-Dissolved                | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Manganese-Dissolved           | µg/L  | 130        | 17         | 210        | 1,100      | 820        |
| Mercury-Dissolved             | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| Molybdenum-Dissolved          | µg/L  | <1         | <1         | <1         | 2          | <1         |
| Nickel-Dissolved              | µg/L  | 10         | 2          | 5          | 5          | 16         |
| Selenium-Dissolved            | µg/L  | <1         | 1          | <1         | <1         | <1         |
| Zinc-Dissolved                | µg/L  | 8          | 5          | 28         | 3          | 6          |

| All metals in water-dissolved |       |            |            |            |            |            |
|-------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                 |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                  |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Silver-Dissolved              | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Aluminium-Dissolved           | µg/L  | <10        | <10        | <10        | <10        | <10        |
| Arsenic-Dissolved             | µg/L  | 11         | 23         | <1         | 1          | 16         |
| Beryllium-Dissolved           | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Boron-Dissolved               | µg/L  | <20        | <20        | <20        | 30         | <20        |
| Cadmium-Dissolved             | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chromium-Dissolved            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Cobalt-Dissolved              | µg/L  | <1         | 1          | <1         | <1         | <1         |
| Copper-Dissolved              | µg/L  | <1         | <1         | 1          | 1          | <1         |
| Iron-Dissolved                | µg/L  | 490        | 3,400      | 60         | 280        | 2,100      |
| Lead-Dissolved                | µg/L  | <1         | 3          | <1         | <1         | <1         |
| Manganese-Dissolved           | µg/L  | 450        | 4,000      | 91         | 230        | 2,600      |
| Mercury-Dissolved             | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| Molybdenum-Dissolved          | µg/L  | <1         | 1          | <1         | <1         | 1          |
| Nickel-Dissolved              | µg/L  | 2          | 9          | 3          | 1          | 5          |
| Selenium-Dissolved            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Zinc-Dissolved                | µg/L  | 15         | 5          | <1         | 2          | 4          |

| All metals in water-dissolved |       |            |            |            |            |            |
|-------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                 |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
| Your Reference                | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                  |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Date analysed                 | -     | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 | 01/05/2025 |
| Silver-Dissolved              | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Aluminium-Dissolved           | µg/L  | <10        | <10        | <10        | <10        | <10        |
| Arsenic-Dissolved             | µg/L  | 20         | 11         | 23         | 5          | <1         |
| Beryllium-Dissolved           | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Boron-Dissolved               | µg/L  | 20         | <20        | <20        | 30         | 30         |
| Cadmium-Dissolved             | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Chromium-Dissolved            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Cobalt-Dissolved              | µg/L  | 1          | 1          | 1          | 3          | <1         |
| Copper-Dissolved              | µg/L  | <1         | <1         | <1         | <1         | 1          |
| Iron-Dissolved                | µg/L  | 4,100      | 600        | 2,500      | 690        | <10        |
| Lead-Dissolved                | µg/L  | 1          | <1         | 2          | <1         | <1         |
| Manganese-Dissolved           | µg/L  | 3,800      | 510        | 2,800      | 2,000      | 220        |
| Mercury-Dissolved             | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| Molybdenum-Dissolved          | µg/L  | 2          | <1         | 1          | 1          | <1         |
| Nickel-Dissolved              | µg/L  | 5          | 1          | 23         | 6          | 5          |
| Selenium-Dissolved            | µg/L  | <1         | <1         | <1         | <1         | <1         |
| Zinc-Dissolved                | µg/L  | 6          | 2          | 10         | 2          | 49         |

| All metals in water-dissolved |       |            |
|-------------------------------|-------|------------|
| Our Reference                 |       | 379259-16  |
| Your Reference                | UNITS | R1/GW      |
| Date Sampled                  |       | 29/04/2025 |
| Type of sample                |       | Water      |
| Date prepared                 | -     | 01/05/2025 |
| Date analysed                 | -     | 01/05/2025 |
| Silver-Dissolved              | µg/L  | <1         |
| Aluminium-Dissolved           | µg/L  | <10        |
| Arsenic-Dissolved             | µg/L  | <1         |
| Beryllium-Dissolved           | µg/L  | <0.5       |
| Boron-Dissolved               | µg/L  | <20        |
| Cadmium-Dissolved             | µg/L  | <0.1       |
| Chromium-Dissolved            | µg/L  | <1         |
| Cobalt-Dissolved              | µg/L  | <1         |
| Copper-Dissolved              | µg/L  | <1         |
| Iron-Dissolved                | µg/L  | <10        |
| Lead-Dissolved                | µg/L  | <1         |
| Manganese-Dissolved           | µg/L  | <5         |
| Mercury-Dissolved             | µg/L  | <0.05      |
| Molybdenum-Dissolved          | µg/L  | <1         |
| Nickel-Dissolved              | µg/L  | <1         |
| Selenium-Dissolved            | µg/L  | <1         |
| Zinc-Dissolved                | µg/L  | <1         |

## PFAS in Water LOW LEVEL Extend

| Our Reference                                     |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
|---------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                                    | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                                      |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                                    |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                                     | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| Date analysed                                     | -     | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 | 05/05/2025 |
| Perfluorobutanesulfonic acid                      | µg/L  | 0.022      | 0.015      | 0.020      | 0.012      | 0.014      |
| Perfluoropentanesulfonic acid                     | µg/L  | 0.014      | 0.008      | 0.011      | 0.007      | 0.008      |
| Perfluorohexanesulfonic acid - PFHxS              | µg/L  | 0.14       | 0.060      | 0.11       | 0.068      | 0.070      |
| Perfluoroheptanesulfonic acid                     | µg/L  | 0.007      | 0.003      | 0.006      | 0.004      | 0.005      |
| Perfluorooctanesulfonic acid PFOS                 | µg/L  | 0.33       | 0.15       | 0.29       | 0.18       | 0.16       |
| Perfluorodecanesulfonic acid                      | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorobutanoic acid                            | µg/L  | 0.026      | 0.01       | 0.02       | 0.009      | 0.02       |
| Perfluoropentanoic acid                           | µg/L  | 0.003      | 0.002      | <0.002     | <0.002     | <0.002     |
| Perfluorohexanoic acid                            | µg/L  | 0.0099     | 0.002      | 0.004      | <0.001     | 0.002      |
| Perfluoroheptanoic acid                           | µg/L  | 0.007      | 0.002      | 0.004      | 0.002      | 0.003      |
| Perfluorooctanoic acid PFOA                       | µg/L  | 0.024      | 0.008      | 0.016      | 0.008      | 0.011      |
| Perfluorononanoic acid                            | µg/L  | 0.004      | 0.001      | 0.003      | 0.003      | 0.006      |
| Perfluorodecanoic acid                            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluoroundecanoic acid                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorododecanoic acid                          | µg/L  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |
| Perfluorotridecanoic acid                         | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| Perfluorotetradecanoic acid                       | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| 4:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| 6:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     | <0.001     | 0.001      |
| 8:2 FTS                                           | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| 10:2 FTS                                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorooctane sulfonamide                       | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| N-Methyl perfluorooctane sulfonamide              | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Ethyl perfluorooctanesulfonamide                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| N-Me perfluorooctanesulfonamid oethanol           | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Et perfluorooctanesulfonamid oethanol           | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| MePerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| EtPerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 113        | 107        | 107        | 102        | 107        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 111        | 108        | 110        | 114        | 110        |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 57         | 54         | 51         | 62         | 55         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 115        | 122        | 121        | 121        | 107        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 125        | 141        | 130        | 143        | 128        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA  | %     | 32         | 38         | 42         | 42         | 42         |

| PFAS in Water LOW LEVEL Extend                     |       |            |            |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                      |       | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference                                     | UNITS | 101        | 102        | 103        | 104        | 105        |
| Date Sampled                                       |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample                                     |       | Water      | Water      | Water      | Water      | Water      |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 48         | 53         | 52         | 58         | 59         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 73         | 78         | 74         | 79         | 75         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 103        | 105        | 101        | 107        | 101        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 136        | 145        | 135        | 141        | 133        |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 137        | 150        | 136        | 149        | 143        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 167        | 175        | 172        | 168        | 157        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 156        | 163        | 155        | 155        | 145        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 171        | 181        | 175        | 171        | 161        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 130        | 156        | 136        | 126        | 119        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 99         | 102        | 104        | 104        | 104        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | #          | #          | #          | #          | 180        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | #          | #          | #          | #          | #          |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 106        | 64         | 104        | 105        | 100        |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 96         | 98         | 99         | 97         | 96         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 92         | 93         | 95         | 94         | 93         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 96         | 98         | 96         | 93         | 98         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 96         | 95         | 97         | 94         | 93         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | #          | 136        | #          | #          | #          |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | #          | #          | #          | #          | #          |
| Total Positive PFHxS & PFOS                        | µg/L  | 0.47       | 0.21       | 0.40       | 0.24       | 0.23       |
| Total Positive PFOA & PFOS                         | µg/L  | 0.35       | 0.16       | 0.30       | 0.18       | 0.18       |
| Total Positive PFAS                                | µg/L  | 0.59       | 0.27       | 0.48       | 0.29       | 0.30       |

| PFAS in Water LOW LEVEL Extend                    |       |            |            |            |            |            |
|---------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                     |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                                    | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                                      |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                                    |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                                     | -     | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 |
| Date analysed                                     | -     | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 |
| Perfluorobutanesulfonic acid                      | µg/L  | 0.009      | 0.006      | 0.004      | 0.013      | 0.020      |
| Perfluoropentanesulfonic acid                     | µg/L  | 0.006      | 0.004      | 0.003      | 0.009      | 0.012      |
| Perfluorohexanesulfonic acid - PFHxS              | µg/L  | 0.053      | 0.028      | 0.025      | 0.078      | 0.098      |
| Perfluoroheptanesulfonic acid                     | µg/L  | 0.006      | 0.002      | 0.001      | 0.005      | 0.006      |
| Perfluorooctanesulfonic acid PFOS                 | µg/L  | 0.12       | 0.087      | 0.067      | 0.19       | 0.18       |
| Perfluorodecanesulfonic acid                      | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorobutanoic acid                            | µg/L  | <0.02      | <0.02      | 0.006      | 0.01       | <0.01      |
| Perfluoropentanoic acid                           | µg/L  | 0.004      | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorohexanoic acid                            | µg/L  | 0.009      | 0.002      | <0.001     | 0.002      | 0.002      |
| Perfluoroheptanoic acid                           | µg/L  | 0.007      | 0.004      | <0.001     | 0.004      | 0.002      |
| Perfluorooctanoic acid PFOA                       | µg/L  | 0.019      | 0.007      | 0.004      | 0.019      | 0.007      |
| Perfluorononanoic acid                            | µg/L  | 0.004      | 0.003      | 0.001      | 0.007      | 0.002      |
| Perfluorodecanoic acid                            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluoroundecanoic acid                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorododecanoic acid                          | µg/L  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |
| Perfluorotridecanoic acid                         | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| Perfluorotetradecanoic acid                       | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| 4:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| 6:2 FTS                                           | µg/L  | 0.002      | <0.001     | <0.001     | <0.001     | <0.001     |
| 8:2 FTS                                           | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| 10:2 FTS                                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorooctane sulfonamide                       | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| N-Methyl perfluorooctane sulfonamide              | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Ethyl perfluorooctanesulfonamide                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| N-Me perfluorooctanesulfonamidethanol             | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Et perfluorooctanesulfonamidethanol             | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| MePerfluorooctanesulfonamidacetic acid            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| EtPerfluorooctanesulfonamidacetic acid            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 113        | 109        | 109        | 115        | 111        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 109        | 110        | 110        | 115        | 108        |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 49         | 56         | 54         | 54         | 54         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 145        | 150        | 147        | 153        | 160        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 114        | 117        | 123        | 109        | 127        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA  | %     | 29         | #          | 58         | 45         | 33         |

| PFAS in Water LOW LEVEL Extend                     |       |            |            |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                      |       | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                                     | UNITS | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                                       |       | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                                     |       | Water      | Water      | Water      | Water      | Water      |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 44         | 46         | 62         | 53         | 52         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 63         | 71         | 77         | 70         | 74         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 86         | 93         | 101        | 92         | 99         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 117        | 121        | 132        | 124        | 134        |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 132        | 134        | 140        | 127        | 143        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 159        | 156        | 151        | 139        | 166        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 148        | 147        | 133        | 106        | 154        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 151        | 142        | 123        | 78         | 142        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 104        | 108        | 84         | 30         | 76         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 80         | 105        | 101        | 98         | 96         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 165        | 186        | 170        | 170        | 184        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | #          | #          | #          | 163        | #          |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 77         | 68         | 77         | 77         | 95         |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 95         | 91         | 96         | 99         | 95         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 91         | 88         | 91         | 95         | 94         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 98         | 94         | 95         | 108        | 105        |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 94         | 94         | 93         | 95         | 96         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | 197        | 192        | 179        | 139        | #          |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | #          | 191        | 195        | 130        | #          |
| Total Positive PFHxS & PFOS                        | µg/L  | 0.17       | 0.12       | 0.093      | 0.26       | 0.28       |
| Total Positive PFOA & PFOS                         | µg/L  | 0.14       | 0.094      | 0.071      | 0.20       | 0.19       |
| Total Positive PFAS                                | µg/L  | 0.24       | 0.14       | 0.11       | 0.33       | 0.33       |

## PFAS in Water LOW LEVEL Extend

| Our Reference                                     |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
|---------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Your Reference                                    | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                                      |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                                    |       | Water      | Water      | Water      | Water      | Water      |
| Date prepared                                     | -     | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 |
| Date analysed                                     | -     | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 | 06/05/2025 |
| Perfluorobutanesulfonic acid                      | µg/L  | 0.013      | 0.019      | 0.021      | 0.022      | 0.018      |
| Perfluoropentanesulfonic acid                     | µg/L  | 0.008      | 0.010      | 0.012      | 0.013      | 0.01       |
| Perfluorohexanesulfonic acid - PFHxS              | µg/L  | 0.064      | 0.082      | 0.12       | 0.12       | 0.11       |
| Perfluoroheptanesulfonic acid                     | µg/L  | 0.005      | 0.006      | 0.006      | 0.007      | 0.006      |
| Perfluorooctanesulfonic acid PFOS                 | µg/L  | 0.19       | 0.19       | 0.26       | 0.24       | 0.25       |
| Perfluorodecanesulfonic acid                      | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorobutanoic acid                            | µg/L  | <0.01      | 0.02       | <0.01      | <0.01      | <0.01      |
| Perfluoropentanoic acid                           | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorohexanoic acid                            | µg/L  | 0.002      | 0.002      | 0.001      | 0.002      | 0.003      |
| Perfluoroheptanoic acid                           | µg/L  | 0.003      | 0.003      | 0.003      | 0.004      | 0.005      |
| Perfluorooctanoic acid PFOA                       | µg/L  | 0.013      | 0.015      | 0.014      | 0.014      | 0.015      |
| Perfluorononanoic acid                            | µg/L  | 0.007      | 0.01       | 0.005      | 0.005      | 0.003      |
| Perfluorodecanoic acid                            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluoroundecanoic acid                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorododecanoic acid                          | µg/L  | <0.005     | <0.005     | <0.005     | <0.005     | <0.005     |
| Perfluorotridecanoic acid                         | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| Perfluorotetradecanoic acid                       | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| 4:2 FTS                                           | µg/L  | <0.001     | <0.001     | <0.001     | <0.001     | <0.001     |
| 6:2 FTS                                           | µg/L  | <0.001     | 0.001      | <0.001     | <0.001     | 0.005      |
| 8:2 FTS                                           | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| 10:2 FTS                                          | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Perfluorooctane sulfonamide                       | µg/L  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |
| N-Methyl perfluorooctane sulfonamide              | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Ethyl perfluorooctanesulfonamide                | µg/L  | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| N-Me perfluorooctanesulfonamidethanol             | µg/L  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |
| N-Et perfluorooctanesulfonamidethanol             | µg/L  | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| MePerfluorooctanesulfonamidacetic acid            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| EtPerfluorooctanesulfonamidacetic acid            | µg/L  | <0.002     | <0.002     | <0.002     | <0.002     | <0.002     |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 104        | 108        | 109        | 110        | 104        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 110        | 110        | 112        | 109        | 115        |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 52         | 47         | 53         | 50         | 48         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 156        | 154        | 172        | 174        | 173        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 123        | 121        | 123        | 123        | 129        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA  | %     | 27         | 40         | 33         | 22         | 39         |

| PFAS in Water LOW LEVEL Extend                     |       |            |            |            |            |            |
|----------------------------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                                      |       | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
| Your Reference                                     | UNITS | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled                                       |       | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample                                     |       | Water      | Water      | Water      | Water      | Water      |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 52         | 53         | 51         | 46         | 47         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 70         | 71         | 74         | 70         | 68         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 97         | 94         | 98         | 94         | 91         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 128        | 128        | 133        | 135        | 132        |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 134        | 138        | 142        | 137        | 131        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 157        | 160        | 177        | 170        | 175        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 139        | 145        | 156        | 153        | 160        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 145        | 136        | 142        | 146        | 163        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 121        | 69         | 92         | 106        | 125        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 96         | 91         | 96         | 97         | 88         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 184        | 187        | 182        | 182        | 203        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | #          | #          | #          | #          | #          |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 84         | 77         | 92         | 84         | 100        |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 96         | 94         | 93         | 97         | 98         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 94         | 92         | 90         | 94         | 95         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 102        | 97         | 97         | 97         | 97         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 97         | 91         | 92         | 95         | 97         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | 197        | 178        | #          | #          | #          |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | #          | #          | #          | #          | #          |
| Total Positive PFHxS & PFOS                        | µg/L  | 0.25       | 0.27       | 0.38       | 0.36       | 0.36       |
| Total Positive PFOA & PFOS                         | µg/L  | 0.20       | 0.20       | 0.28       | 0.26       | 0.27       |
| Total Positive PFAS                                | µg/L  | 0.30       | 0.36       | 0.44       | 0.43       | 0.43       |

| PFAS in Water LOW LEVEL Extend                    |       |            |
|---------------------------------------------------|-------|------------|
| Our Reference                                     |       | 379259-16  |
| Your Reference                                    | UNITS | R1/GW      |
| Date Sampled                                      |       | 29/04/2025 |
| Type of sample                                    |       | Water      |
| Date prepared                                     | -     | 06/05/2025 |
| Date analysed                                     | -     | 06/05/2025 |
| Perfluorobutanesulfonic acid                      | µg/L  | <0.001     |
| Perfluoropentanesulfonic acid                     | µg/L  | <0.001     |
| Perfluorohexanesulfonic acid - PFHxS              | µg/L  | <0.001     |
| Perfluoroheptanesulfonic acid                     | µg/L  | <0.001     |
| Perfluorooctanesulfonic acid PFOS                 | µg/L  | <0.001     |
| Perfluorodecanesulfonic acid                      | µg/L  | <0.002     |
| Perfluorobutanoic acid                            | µg/L  | <0.002     |
| Perfluoropentanoic acid                           | µg/L  | <0.002     |
| Perfluorohexanoic acid                            | µg/L  | <0.001     |
| Perfluoroheptanoic acid                           | µg/L  | <0.001     |
| Perfluorooctanoic acid PFOA                       | µg/L  | <0.001     |
| Perfluorononanoic acid                            | µg/L  | <0.001     |
| Perfluorodecanoic acid                            | µg/L  | <0.002     |
| Perfluoroundecanoic acid                          | µg/L  | <0.002     |
| Perfluorododecanoic acid                          | µg/L  | <0.005     |
| Perfluorotridecanoic acid                         | µg/L  | <0.01      |
| Perfluorotetradecanoic acid                       | µg/L  | <0.05      |
| 4:2 FTS                                           | µg/L  | <0.001     |
| 6:2 FTS                                           | µg/L  | <0.001     |
| 8:2 FTS                                           | µg/L  | <0.002     |
| 10:2 FTS                                          | µg/L  | <0.002     |
| Perfluorooctane sulfonamide                       | µg/L  | <0.01      |
| N-Methyl perfluorooctane sulfonamide              | µg/L  | <0.05      |
| N-Ethyl perfluorooctanesulfonamide                | µg/L  | <0.1       |
| N-Me perfluorooctanesulfonamid oethanol           | µg/L  | <0.05      |
| N-Et perfluorooctanesulfonamid oethanol           | µg/L  | <0.5       |
| MePerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     |
| EtPerfluorooctanesulf- amid oacetic acid          | µg/L  | <0.002     |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS       | %     | 108        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA       | %     | 110        |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS  | %     | 54         |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS | %     | 168        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS  | %     | 131        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA  | %     | 88         |

| PFAS in Water LOW LEVEL Extend                     |       |            |
|----------------------------------------------------|-------|------------|
| Our Reference                                      |       | 379259-16  |
| Your Reference                                     | UNITS | R1/GW      |
| Date Sampled                                       |       | 29/04/2025 |
| Type of sample                                     |       | Water      |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     | 65         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     | 77         |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     | 103        |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     | 137        |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     | 148        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     | 168        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     | 158        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     | 179        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     | 74         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     | 98         |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     | 151        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     | #          |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     | 100        |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     | 97         |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     | 93         |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     | 97         |
| Extracted ISTD d <sub>9</sub> N EtFOSE             | %     | 95         |
| Extracted ISTD d <sub>3</sub> N MeFOSAA            | %     | #          |
| Extracted ISTD d <sub>5</sub> N EtFOSAA            | %     | #          |
| Total Positive PFHxS & PFOS                        | µg/L  | <0.001     |
| Total Positive PFOA & PFOS                         | µg/L  | <0.001     |
| Total Positive PFAS                                | µg/L  | <0.001     |

| Ion Balance                                                  |       |            |
|--------------------------------------------------------------|-------|------------|
| Our Reference                                                |       | 379259-9   |
| Your Reference                                               | UNITS | 301        |
| Date Sampled                                                 |       | 29/04/2025 |
| Type of sample                                               |       | Water      |
| Date prepared                                                | -     | 01/05/2025 |
| Date analysed                                                | -     | 01/05/2025 |
| Calcium - Dissolved                                          | mg/L  | 21         |
| Potassium - Dissolved                                        | mg/L  | 1          |
| Sodium - Dissolved                                           | mg/L  | 48         |
| Magnesium - Dissolved                                        | mg/L  | 16         |
| Hardness (calc) equivalent CaCO <sub>3</sub>                 | mg/L  | 120        |
| Hydroxide Alkalinity (OH <sup>-</sup> ) as CaCO <sub>3</sub> | mg/L  | <5         |
| Bicarbonate Alkalinity as CaCO <sub>3</sub>                  | mg/L  | 210        |
| Carbonate Alkalinity as CaCO <sub>3</sub>                    | mg/L  | <5         |
| Total Alkalinity as CaCO <sub>3</sub>                        | mg/L  | 210        |
| Sulphate, SO <sub>4</sub>                                    | mg/L  | 47         |
| Chloride, Cl                                                 | mg/L  | 22         |
| Ionic Balance                                                | %     | -13        |

| Miscellaneous Inorganics |          |            |            |            |            |            |
|--------------------------|----------|------------|------------|------------|------------|------------|
| Our Reference            |          | 379259-1   | 379259-2   | 379259-3   | 379259-4   | 379259-5   |
| Your Reference           | UNITS    | 101        | 102        | 103        | 104        | 105        |
| Date Sampled             |          | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 | 28/04/2025 |
| Type of sample           |          | Water      | Water      | Water      | Water      | Water      |
| Date prepared            | -        | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| Date analysed            | -        | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| pH                       | pH Units | 6.9        | 7.1        | 6.8        | 6.9        | 6.9        |
| Electrical Conductivity  | µS/cm    | 350        | 510        | 320        | 480        | 570        |

| Miscellaneous Inorganics      |          |            |            |            |            |            |
|-------------------------------|----------|------------|------------|------------|------------|------------|
| Our Reference                 |          | 379259-6   | 379259-7   | 379259-8   | 379259-9   | 379259-10  |
| Your Reference                | UNITS    | 106        | MW1        | MW2        | 301        | 302        |
| Date Sampled                  |          | 28/04/2025 | 28/04/2025 | 28/04/2025 | 29/04/2025 | 29/04/2025 |
| Type of sample                |          | Water      | Water      | Water      | Water      | Water      |
| Date prepared                 | -        | 01/05/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| Date analysed                 | -        | 01/05/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| pH                            | pH Units | 6.9        | 6.8        | 7.0        | 6.8        | 6.9        |
| Electrical Conductivity       | µS/cm    | 900        | 740        | 440        | 510        | 620        |
| Total Dissolved Solids (grav) | mg/L     | [NA]       | [NA]       | [NA]       | 360        | [NA]       |
| Ammonia as N in water         | mg/L     | [NA]       | [NA]       | [NA]       | 0.04       | [NA]       |
| Nitrate as N in water         | mg/L     | [NA]       | [NA]       | [NA]       | 0.30       | [NA]       |
| Nitrite as N in water         | mg/L     | [NA]       | [NA]       | [NA]       | <0.005     | [NA]       |
| NOx as N in water             | mg/L     | [NA]       | [NA]       | [NA]       | 0.31       | [NA]       |
| Organic Nitrogen as N         | mg/L     | [NA]       | [NA]       | [NA]       | 0.7        | [NA]       |
| Total Nitrogen in water       | mg/L     | [NA]       | [NA]       | [NA]       | 1.0        | [NA]       |
| TKN in water                  | mg/L     | [NA]       | [NA]       | [NA]       | 0.7        | [NA]       |

| Miscellaneous Inorganics |          |            |            |            |            |            |
|--------------------------|----------|------------|------------|------------|------------|------------|
| Our Reference            |          | 379259-11  | 379259-12  | 379259-13  | 379259-14  | 379259-15  |
| Your Reference           | UNITS    | 303        | 304        | 305        | 306        | D1/GW      |
| Date Sampled             |          | 29/04/2025 | 29/04/2025 | 29/04/2025 | 29/04/2025 | 28/04/2025 |
| Type of sample           |          | Water      | Water      | Water      | Water      | Water      |
| Date prepared            | -        | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| Date analysed            | -        | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 | 30/04/2025 |
| pH                       | pH Units | 6.8        | 6.8        | 6.8        | 7.0        | 6.8        |
| Electrical Conductivity  | µS/cm    | 740        | 620        | 610        | 980        | 320        |

| Miscellaneous Inorganics |          |            |
|--------------------------|----------|------------|
| Our Reference            |          | 379259-16  |
| Your Reference           | UNITS    | R1/GW      |
| Date Sampled             |          | 29/04/2025 |
| Type of sample           |          | Water      |
| Date prepared            | -        | 30/04/2025 |
| Date analysed            | -        | 30/04/2025 |
| pH                       | pH Units | 7.3        |
| Electrical Conductivity  | µS/cm    | 3          |

| Metals in Waters - Acid extractable |       |            |
|-------------------------------------|-------|------------|
| Our Reference                       | UNITS | 379259-9   |
| Your Reference                      |       | 301        |
| Date Sampled                        |       | 29/04/2025 |
| Type of sample                      |       | Water      |
| Date prepared                       | -     | 01/05/2025 |
| Date analysed                       | -     | 01/05/2025 |
| Phosphorus - Total                  | mg/L  | 0.82       |

| Method ID                | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ext-054</b>           | Analysed by MPL Envirolab                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Inorg-001</b>         | pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.                                                                                                                                                                                                                                         |
| <b>Inorg-002</b>         | Conductivity and Salinity - measured using a conductivity cell.                                                                                                                                                                                                                                                                                                                                         |
| <b>Inorg-006</b>         | Alkalinity - determined titrimetrically in accordance with APHA latest edition, 2320-B.                                                                                                                                                                                                                                                                                                                 |
| <b>Inorg-018</b>         | Total Dissolved Solids - determined gravimetrically. The solids are dried at 180+/-10°C.<br><br>NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation below:-<br><br>$\text{TDS} = \text{EC} * 0.6$ |
| <b>Inorg-040</b>         | The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% ie total anions = total cations +/-15%.                                                                                                                                                                                                                            |
| <b>Inorg-055</b>         | Nitrate - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.                                                                                                                                                                                                                                                      |
| <b>Inorg-055</b>         | Nitrite - determined colourimetrically based on APHA latest edition NO2- B. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.                                                                                                                                                                                                                  |
| <b>Inorg-055/062/127</b> | Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.                                                                                                                                                                                                                                                                              |
| <b>Inorg-057</b>         | Ammonia - determined colourimetrically, based on APHA latest edition 4500-NH3 F. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a KCl extraction.                                                                                                                                                                                                               |
| <b>Inorg-062</b>         | TKN - determined colourimetrically based on APHA latest edition 4500 Norg. Alternatively, TKN can be derived from calculation (Total N - NOx).                                                                                                                                                                                                                                                          |
| <b>Inorg-081</b>         | Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA latest edition, 4110-B. Waters samples are filtered on receipt prior to analysis.<br>Alternatively determined by colourimetry/turbidity using Discrete Analyser.                                                                                                                                               |
| <b>Metals-020</b>        | Determination of various metals by ICP-AES.<br><br>Total Phosphate determined stoichiometrically from Phosphorus (assumed to be present as Phosphate).<br><br>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.                                |
| <b>Metals-021</b>        | Determination of Mercury by Cold Vapour AAS.                                                                                                                                                                                                                                                                                                                                                            |

| Method ID          | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metals-022</b>  | <p>Determination of various metals by ICP-MS.</p> <p>Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements.</p> <p>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Org-020</b>     | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (&gt;C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Org-022/025</b> | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Org-023</b>     | <p>Water samples are analysed directly by purge and trap GC-MS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Org-023</b>     | <p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Org-029</b>     | <p>Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3.</p> <p>Analysis is undertaken with LC-MS/MS.</p> <p>PFAS results include the sum of branched and linear isomers where applicable.</p> <p>Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components.</p> <p>Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.</p> |

| QUALITY CONTROL: VOCs in Water - Low Level |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |      |
|--------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                           | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-W4     | [NT] |
| Date Extracted                             | -     |     |         | 02/05/2025 | 2         | 02/05/2025 | 05/05/2025 |                  | 02/05/2025 | [NT] |
| Date Analysed                              | -     |     |         | 05/05/2025 | 2         | 05/05/2025 | 06/05/2025 |                  | 05/05/2025 | [NT] |
| MTBE                                       | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Dichlorodifluoromethane                    | µg/L  | 2   | Ext-054 | <2         | 2         | <2         | <2         | 0                | [NT]       | [NT] |
| Chloromethane                              | µg/L  | 2   | Ext-054 | <2         | 2         | <2         | <2         | 0                | [NT]       | [NT] |
| Vinyl Chloride                             | µg/L  | 0.2 | Ext-054 | <0.2       | 2         | <0.2       | <0.2       | 0                | [NT]       | [NT] |
| Bromomethane                               | µg/L  | 2   | Ext-054 | <2         | 2         | <2         | <2         | 0                | [NT]       | [NT] |
| Chloroethane                               | µg/L  | 2   | Ext-054 | <2         | 2         | <2         | <2         | 0                | [NT]       | [NT] |
| Trichlorofluoromethane                     | µg/L  | 2   | Ext-054 | <2         | 2         | <2         | <2         | 0                | [NT]       | [NT] |
| 1,1-Dichloroethene                         | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Trans-1,2-dichloroethene                   | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| 1,1-dichloroethane                         | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 111        | [NT] |
| Cis-1,2-dichloroethene                     | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Bromochloromethane                         | µg/L  | 0.5 | Ext-054 | <0.5       | 2         | <0.5       | <0.5       | 0                | [NT]       | [NT] |
| Chloroform                                 | µg/L  | 0.5 | Ext-054 | <0.5       | 2         | <0.5       | <0.5       | 0                | 105        | [NT] |
| 2,2-dichloropropane                        | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| 1,2-dichloroethane                         | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 103        | [NT] |
| 1,1,1-trichloroethane                      | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 106        | [NT] |
| Cyclohexane                                | µg/L  | 0.1 | Org-023 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| 1,1-dichloropropene                        | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Carbon tetrachloride                       | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Benzene                                    | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 103        | [NT] |
| Dibromomethane                             | µg/L  | 0.5 | Ext-054 | <0.5       | 2         | <0.5       | <0.5       | 0                | [NT]       | [NT] |
| 1,2-dichloropropane                        | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Trichloroethene                            | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 103        | [NT] |
| Bromodichloromethane                       | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 104        | [NT] |
| trans-1,3-dichloropropene                  | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| cis-1,3-dichloropropene                    | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| 1,1,2-trichloroethane                      | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Toluene                                    | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 105        | [NT] |
| 1,3-dichloropropane                        | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Dibromochloromethane                       | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 102        | [NT] |
| 1,2-dibromoethane                          | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Tetrachloroethene                          | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 101        | [NT] |
| 1,1,1,2-tetrachloroethane                  | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Chlorobenzene                              | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| Ethylbenzene                               | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | 99         | [NT] |
| Bromoform                                  | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |
| m+p-xylene                                 | µg/L  | 0.2 | Ext-054 | <0.2       | 2         | <0.2       | <0.2       | 0                | 103        | [NT] |
| Styrene                                    | µg/L  | 0.1 | Ext-054 | <0.1       | 2         | <0.1       | <0.1       | 0                | [NT]       | [NT] |

| QUALITY CONTROL: VOCs in Water - Low Level |       |     |         |       | Duplicate |      |      | Spike Recovery % |        |      |
|--------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|--------|------|
| Test Description                           | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-W4 | [NT] |
| 1,1,2,2-tetrachloroethane                  | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| o-xylene                                   | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | 102    | [NT] |
| 1,2,3-trichloropropane                     | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Isopropylbenzene                           | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Bromobenzene                               | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| n-propyl benzene                           | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 2-chlorotoluene                            | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 4-chlorotoluene                            | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,3,5-trimethyl benzene                    | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Tert-butyl benzene                         | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,2,4-trimethyl benzene                    | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,3-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Sec-butyl benzene                          | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,4-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 4-isopropyl toluene                        | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,2-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| n-butyl benzene                            | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,2-dibromo-3-chloropropane                | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| 1,2,4-trichlorobenzene                     | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Hexachlorobutadiene                        | µg/L  | 0.2 | Ext-054 | <0.2  | 2         | <0.2 | <0.2 | 0                | [NT]   | [NT] |
| 1,2,3-trichlorobenzene                     | µg/L  | 0.1 | Ext-054 | <0.1  | 2         | <0.1 | <0.1 | 0                | [NT]   | [NT] |
| Surrogate Dibromofluoromethane             | %     |     | Ext-054 | 112   | 2         | 102  | 116  | 13               | 104    | [NT] |
| Surrogate toluene-d8                       | %     |     | Ext-054 | 103   | 2         | 97   | 104  | 7                | 105    | [NT] |
| Surrogate 4-BFB                            | %     |     | Ext-054 | 100   | 2         | 96   | 86   | 11               | 102    | [NT] |

| QUALITY CONTROL: VOCs in Water - Low Level |       |     |         |       | Duplicate |            |            |     | Spike Recovery % |      |
|--------------------------------------------|-------|-----|---------|-------|-----------|------------|------------|-----|------------------|------|
| Test Description                           | Units | PQL | Method  | Blank | #         | Base       | Dup.       | RPD | [NT]             | [NT] |
| Date Extracted                             | -     |     |         | [NT]  | 4         | 02/05/2025 | 05/05/2025 |     | [NT]             | [NT] |
| Date Analysed                              | -     |     |         | [NT]  | 4         | 05/05/2025 | 06/05/2025 |     | [NT]             | [NT] |
| MTBE                                       | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Dichlorodifluoromethane                    | µg/L  | 2   | Ext-054 | [NT]  | 4         | <2         | <2         | 0   | [NT]             | [NT] |
| Chloromethane                              | µg/L  | 2   | Ext-054 | [NT]  | 4         | <2         | <2         | 0   | [NT]             | [NT] |
| Vinyl Chloride                             | µg/L  | 0.2 | Ext-054 | [NT]  | 4         | <0.2       | <0.2       | 0   | [NT]             | [NT] |
| Bromomethane                               | µg/L  | 2   | Ext-054 | [NT]  | 4         | <2         | <2         | 0   | [NT]             | [NT] |
| Chloroethane                               | µg/L  | 2   | Ext-054 | [NT]  | 4         | <2         | <2         | 0   | [NT]             | [NT] |
| Trichlorofluoromethane                     | µg/L  | 2   | Ext-054 | [NT]  | 4         | <2         | <2         | 0   | [NT]             | [NT] |
| 1,1-Dichloroethene                         | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Trans-1,2-dichloroethene                   | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,1-dichloroethane                         | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Cis-1,2-dichloroethene                     | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Bromochloromethane                         | µg/L  | 0.5 | Ext-054 | [NT]  | 4         | <0.5       | <0.5       | 0   | [NT]             | [NT] |
| Chloroform                                 | µg/L  | 0.5 | Ext-054 | [NT]  | 4         | <0.5       | <0.5       | 0   | [NT]             | [NT] |
| 2,2-dichloropropane                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,2-dichloroethane                         | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,1,1-trichloroethane                      | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Cyclohexane                                | µg/L  | 0.1 | Org-023 | [NT]  | 4         | 13         | 17         | 27  | [NT]             | [NT] |
| 1,1-dichloropropene                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Carbon tetrachloride                       | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Benzene                                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 2.4        | 3.0        | 22  | [NT]             | [NT] |
| Dibromomethane                             | µg/L  | 0.5 | Ext-054 | [NT]  | 4         | <0.5       | <0.5       | 0   | [NT]             | [NT] |
| 1,2-dichloropropane                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Trichloroethene                            | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Bromodichloromethane                       | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| trans-1,3-dichloropropene                  | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| cis-1,3-dichloropropene                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,1,2-trichloroethane                      | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Toluene                                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.4        | 0.4        | 0   | [NT]             | [NT] |
| 1,3-dichloropropane                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Dibromochloromethane                       | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,2-dibromoethane                          | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Tetrachloroethene                          | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| 1,1,1,2-tetrachloroethane                  | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Chlorobenzene                              | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Ethylbenzene                               | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.3        | 0.2        | 40  | [NT]             | [NT] |
| Bromoform                                  | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| m+p-xylene                                 | µg/L  | 0.2 | Ext-054 | [NT]  | 4         | 1.1        | 1.1        | 0   | [NT]             | [NT] |
| Styrene                                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1       | <0.1       | 0   | [NT]             | [NT] |

| QUALITY CONTROL: VOCs in Water - Low Level |       |     |         |       | Duplicate |      |      | Spike Recovery % |      |      |
|--------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|------|------|
| Test Description                           | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | [NT] | [NT] |
| 1,1,2,2-tetrachloroethane                  | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| o-xylene                                   | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.3  | 0.3  | 0                | [NT] | [NT] |
| 1,2,3-trichloropropane                     | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| Isopropylbenzene                           | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.7  | 0.7  | 0                | [NT] | [NT] |
| Bromobenzene                               | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| n-propyl benzene                           | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 1    | 1.0  | 0                | [NT] | [NT] |
| 2-chlorotoluene                            | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 4-chlorotoluene                            | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,3,5-trimethyl benzene                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.1  | 0.1  | 0                | [NT] | [NT] |
| Tert-butyl benzene                         | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,2,4-trimethyl benzene                    | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | 0.3  | 0.3  | 0                | [NT] | [NT] |
| 1,3-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| Sec-butyl benzene                          | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,4-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 4-isopropyl toluene                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,2-dichlorobenzene                        | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| n-butyl benzene                            | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,2-dibromo-3-chloropropane                | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| 1,2,4-trichlorobenzene                     | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| Hexachlorobutadiene                        | µg/L  | 0.2 | Ext-054 | [NT]  | 4         | <0.2 | <0.2 | 0                | [NT] | [NT] |
| 1,2,3-trichlorobenzene                     | µg/L  | 0.1 | Ext-054 | [NT]  | 4         | <0.1 | <0.1 | 0                | [NT] | [NT] |
| Surrogate Dibromofluoromethane             | %     |     | Ext-054 | [NT]  | 4         | 102  | 105  | 3                | [NT] | [NT] |
| Surrogate toluene-d8                       | %     |     | Ext-054 | [NT]  | 4         | 100  | 104  | 4                | [NT] | [NT] |
| Surrogate 4-BFB                            | %     |     | Ext-054 | [NT]  | 4         | 99   | 86   | 14               | [NT] | [NT] |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water |       |     |         |            | Duplicate |            |            | Spike Recovery % |            |      |
|----------------------------------------------|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                             | Units | PQL | Method  | Blank      | #         | Base       | Dup.       | RPD              | LCS-W4     | [NT] |
| Date extracted                               | -     |     |         | 05/05/2025 | 2         | 02/05/2025 | 05/05/2025 |                  | 02/05/2025 | [NT] |
| Date analysed                                | -     |     |         | 06/05/2025 | 2         | 05/05/2025 | 06/05/2025 |                  | 05/05/2025 | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>          | µg/L  | 10  | Org-023 | <10        | 2         | <10        | <10        | 0                | 103        | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>         | µg/L  | 10  | Org-023 | <10        | 2         | <10        | <10        | 0                | 103        | [NT] |
| Benzene                                      | µg/L  | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | 103        | [NT] |
| Toluene                                      | µg/L  | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | 105        | [NT] |
| Ethylbenzene                                 | µg/L  | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | 99         | [NT] |
| m+p-xylene                                   | µg/L  | 2   | Org-023 | <2         | 2         | <2         | <2         | 0                | 103        | [NT] |
| o-xylene                                     | µg/L  | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | 102        | [NT] |
| Naphthalene                                  | µg/L  | 1   | Org-023 | <1         | 2         | <1         | <1         | 0                | [NT]       | [NT] |
| Surrogate Dibromofluoromethane               | %     |     | Org-023 | 112        | 2         | 102        | 116        | 13               | 104        | [NT] |
| Surrogate Toluene-d8                         | %     |     | Org-023 | 103        | 2         | 97         | 104        | 7                | 105        | [NT] |
| Surrogate 4-Bromofluorobenzene               | %     |     | Org-023 | 100        | 2         | 96         | 86         | 11               | 102        | [NT] |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water |       |     |         |       | Duplicate |            |            | Spike Recovery % |      |      |
|----------------------------------------------|-------|-----|---------|-------|-----------|------------|------------|------------------|------|------|
| Test Description                             | Units | PQL | Method  | Blank | #         | Base       | Dup.       | RPD              | [NT] | [NT] |
| Date extracted                               | -     |     |         | [NT]  | 4         | 02/05/2025 | 05/05/2025 |                  | [NT] | [NT] |
| Date analysed                                | -     |     |         | [NT]  | 4         | 05/05/2025 | 06/05/2025 |                  | [NT] | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>          | µg/L  | 10  | Org-023 | [NT]  | 4         | 110        | 130        | 17               | [NT] | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>         | µg/L  | 10  | Org-023 | [NT]  | 4         | 120        | 140        | 15               | [NT] | [NT] |
| Benzene                                      | µg/L  | 1   | Org-023 | [NT]  | 4         | 2          | 3          | 40               | [NT] | [NT] |
| Toluene                                      | µg/L  | 1   | Org-023 | [NT]  | 4         | <1         | <1         | 0                | [NT] | [NT] |
| Ethylbenzene                                 | µg/L  | 1   | Org-023 | [NT]  | 4         | <1         | <1         | 0                | [NT] | [NT] |
| m+p-xylene                                   | µg/L  | 2   | Org-023 | [NT]  | 4         | <2         | <2         | 0                | [NT] | [NT] |
| o-xylene                                     | µg/L  | 1   | Org-023 | [NT]  | 4         | <1         | <1         | 0                | [NT] | [NT] |
| Naphthalene                                  | µg/L  | 1   | Org-023 | [NT]  | 4         | <1         | <1         | 0                | [NT] | [NT] |
| Surrogate Dibromofluoromethane               | %     |     | Org-023 | [NT]  | 4         | 102        | 105        | 3                | [NT] | [NT] |
| Surrogate Toluene-d8                         | %     |     | Org-023 | [NT]  | 4         | 100        | 104        | 4                | [NT] | [NT] |
| Surrogate 4-Bromofluorobenzene               | %     |     | Org-023 | [NT]  | 4         | 99         | 86         | 14               | [NT] | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W4     | [NT] |
| Date extracted                            | -     |     |         | 01/05/2025 | [NT]      | [NT] | [NT] | [NT]             | 01/05/2025 | [NT] |
| Date analysed                             | -     |     |         | 02/05/2025 | [NT]      | [NT] | [NT] | [NT]             | 02/05/2025 | [NT] |
| TRH C <sub>10</sub> - C <sub>14</sub>     | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| TRH C <sub>15</sub> - C <sub>28</sub>     | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 114        | [NT] |
| TRH C <sub>29</sub> - C <sub>36</sub>     | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 129        | [NT] |
| TRH >C <sub>10</sub> - C <sub>16</sub>    | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| TRH >C <sub>16</sub> - C <sub>34</sub>    | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 114        | [NT] |
| TRH >C <sub>34</sub> - C <sub>40</sub>    | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT]             | 129        | [NT] |
| Surrogate o-Terphenyl                     | %     |     | Org-020 | 96         | [NT]      | [NT] | [NT] | [NT]             | 104        | [NT] |

| QUALITY CONTROL: PAHs in Water |       |     |             |            | Duplicate |      |      | Spike Recovery % |            |      |
|--------------------------------|-------|-----|-------------|------------|-----------|------|------|------------------|------------|------|
| Test Description               | Units | PQL | Method      | Blank      | #         | Base | Dup. | RPD              | LCS-W6     | [NT] |
| Date extracted                 | -     |     |             | 01/05/2025 | [NT]      | [NT] | [NT] | [NT]             | 01/05/2025 | [NT] |
| Date analysed                  | -     |     |             | 02/05/2025 | [NT]      | [NT] | [NT] | [NT]             | 02/05/2025 | [NT] |
| Naphthalene                    | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 85         | [NT] |
| Acenaphthylene                 | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Acenaphthene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| Fluorene                       | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 91         | [NT] |
| Phenanthrene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 96         | [NT] |
| Anthracene                     | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluoranthene                   | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Pyrene                         | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 105        | [NT] |
| Benzo(a)anthracene             | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chrysene                       | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| Benzo(b,j+k)fluoranthene       | µg/L  | 0.2 | Org-022/025 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(a)pyrene                 | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 86         | [NT] |
| Indeno(1,2,3-c,d)pyrene        | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibenzo(a,h)anthracene         | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(g,h,i)perylene           | µg/L  | 0.1 | Org-022/025 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate p-Terphenyl-d14      | %     |     | Org-022/025 | 116        | [NT]      | [NT] | [NT] | [NT]             | 133        | [NT] |

| QUALITY CONTROL: All metals in water-dissolved |       |      |            |            | Duplicate |            |            | Spike Recovery % |            |            |
|------------------------------------------------|-------|------|------------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description                               | Units | PQL  | Method     | Blank      | #         | Base       | Dup.       | RPD              | LCS-W7     | 379259-2   |
| Date prepared                                  | -     |      |            | 01/05/2025 | 1         | 01/05/2025 | 01/05/2025 |                  | 01/05/2025 | 01/05/2025 |
| Date analysed                                  | -     |      |            | 01/05/2025 | 1         | 01/05/2025 | 01/05/2025 |                  | 01/05/2025 | 01/05/2025 |
| Silver-Dissolved                               | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 98         | 74         |
| Aluminium-Dissolved                            | µg/L  | 10   | Metals-022 | <10        | 1         | <10        | <10        | 0                | 83         | 91         |
| Arsenic-Dissolved                              | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 94         | 103        |
| Beryllium-Dissolved                            | µg/L  | 0.5  | Metals-022 | <0.5       | 1         | <0.5       | <0.5       | 0                | 90         | 111        |
| Boron-Dissolved                                | µg/L  | 20   | Metals-022 | <20        | 1         | 30         | 20         | 40               | 86         | 106        |
| Cadmium-Dissolved                              | µg/L  | 0.1  | Metals-022 | <0.1       | 1         | <0.1       | <0.1       | 0                | 91         | 100        |
| Chromium-Dissolved                             | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 94         | 102        |
| Cobalt-Dissolved                               | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 95         | 106        |
| Copper-Dissolved                               | µg/L  | 1    | Metals-022 | <1         | 1         | 1          | 1          | 0                | 95         | 102        |
| Iron-Dissolved                                 | µg/L  | 10   | Metals-022 | <10        | 1         | <10        | <10        | 0                | 93         | 89         |
| Lead-Dissolved                                 | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 91         | 99         |
| Manganese-Dissolved                            | µg/L  | 5    | Metals-022 | <5         | 1         | 130        | 140        | 7                | 90         | 112        |
| Mercury-Dissolved                              | µg/L  | 0.05 | Metals-021 | <0.05      | 1         | <0.05      | [NT]       |                  | 99         | [NT]       |
| Molybdenum-Dissolved                           | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 91         | 89         |
| Nickel-Dissolved                               | µg/L  | 1    | Metals-022 | <1         | 1         | 10         | 10         | 0                | 94         | 105        |
| Selenium-Dissolved                             | µg/L  | 1    | Metals-022 | <1         | 1         | <1         | <1         | 0                | 92         | 104        |
| Zinc-Dissolved                                 | µg/L  | 1    | Metals-022 | <1         | 1         | 8          | 8          | 0                | 92         | 112        |

| QUALITY CONTROL: All metals in water-dissolved |       |      |            |       | Duplicate |            |            | Spike Recovery % |      |            |
|------------------------------------------------|-------|------|------------|-------|-----------|------------|------------|------------------|------|------------|
| Test Description                               | Units | PQL  | Method     | Blank | #         | Base       | Dup.       | RPD              | [NT] | 379259-3   |
| Date prepared                                  | -     |      |            | [NT]  | 2         | 01/05/2025 | 01/05/2025 |                  | [NT] | 01/05/2025 |
| Date analysed                                  | -     |      |            | [NT]  | 2         | 01/05/2025 | 01/05/2025 |                  | [NT] | 01/05/2025 |
| Silver-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Aluminium-Dissolved                            | µg/L  | 10   | Metals-022 | [NT]  | 2         | <10        | [NT]       |                  | [NT] | [NT]       |
| Arsenic-Dissolved                              | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Beryllium-Dissolved                            | µg/L  | 0.5  | Metals-022 | [NT]  | 2         | <0.5       | [NT]       |                  | [NT] | [NT]       |
| Boron-Dissolved                                | µg/L  | 20   | Metals-022 | [NT]  | 2         | <20        | [NT]       |                  | [NT] | [NT]       |
| Cadmium-Dissolved                              | µg/L  | 0.1  | Metals-022 | [NT]  | 2         | <0.1       | [NT]       |                  | [NT] | [NT]       |
| Chromium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Cobalt-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Copper-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 2         | 2          | [NT]       |                  | [NT] | [NT]       |
| Iron-Dissolved                                 | µg/L  | 10   | Metals-022 | [NT]  | 2         | <10        | [NT]       |                  | [NT] | [NT]       |
| Lead-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Manganese-Dissolved                            | µg/L  | 5    | Metals-022 | [NT]  | 2         | 17         | [NT]       |                  | [NT] | [NT]       |
| Mercury-Dissolved                              | µg/L  | 0.05 | Metals-021 | [NT]  | 2         | <0.05      | <0.05      | 0                | [NT] | 92         |
| Molybdenum-Dissolved                           | µg/L  | 1    | Metals-022 | [NT]  | 2         | <1         | [NT]       |                  | [NT] | [NT]       |
| Nickel-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 2         | 2          | [NT]       |                  | [NT] | [NT]       |
| Selenium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 2         | 1          | [NT]       |                  | [NT] | [NT]       |
| Zinc-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 2         | 5          | [NT]       |                  | [NT] | [NT]       |

| QUALITY CONTROL: All metals in water-dissolved |       |      |            |       |    | Duplicate  |            |     | Spike Recovery % |      |
|------------------------------------------------|-------|------|------------|-------|----|------------|------------|-----|------------------|------|
| Test Description                               | Units | PQL  | Method     | Blank | #  | Base       | Dup.       | RPD | [NT]             | [NT] |
| Date prepared                                  | -     |      |            | [NT]  | 10 | 01/05/2025 | 01/05/2025 |     | [NT]             | [NT] |
| Date analysed                                  | -     |      |            | [NT]  | 10 | 01/05/2025 | 01/05/2025 |     | [NT]             | [NT] |
| Silver-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Aluminium-Dissolved                            | µg/L  | 10   | Metals-022 | [NT]  | 10 | <10        | [NT]       |     | [NT]             | [NT] |
| Arsenic-Dissolved                              | µg/L  | 1    | Metals-022 | [NT]  | 10 | 16         | [NT]       |     | [NT]             | [NT] |
| Beryllium-Dissolved                            | µg/L  | 0.5  | Metals-022 | [NT]  | 10 | <0.5       | [NT]       |     | [NT]             | [NT] |
| Boron-Dissolved                                | µg/L  | 20   | Metals-022 | [NT]  | 10 | <20        | [NT]       |     | [NT]             | [NT] |
| Cadmium-Dissolved                              | µg/L  | 0.1  | Metals-022 | [NT]  | 10 | <0.1       | [NT]       |     | [NT]             | [NT] |
| Chromium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Cobalt-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Copper-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Iron-Dissolved                                 | µg/L  | 10   | Metals-022 | [NT]  | 10 | 2100       | [NT]       |     | [NT]             | [NT] |
| Lead-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Manganese-Dissolved                            | µg/L  | 5    | Metals-022 | [NT]  | 10 | 2600       | [NT]       |     | [NT]             | [NT] |
| Mercury-Dissolved                              | µg/L  | 0.05 | Metals-021 | [NT]  | 10 | <0.05      | <0.05      | 0   | [NT]             | [NT] |
| Molybdenum-Dissolved                           | µg/L  | 1    | Metals-022 | [NT]  | 10 | 1          | [NT]       |     | [NT]             | [NT] |
| Nickel-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 10 | 5          | [NT]       |     | [NT]             | [NT] |
| Selenium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 10 | <1         | [NT]       |     | [NT]             | [NT] |
| Zinc-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 10 | 4          | [NT]       |     | [NT]             | [NT] |

| QUALITY CONTROL: All metals in water-dissolved |       |      |            |       |    | Duplicate  |            |     | Spike Recovery % |      |
|------------------------------------------------|-------|------|------------|-------|----|------------|------------|-----|------------------|------|
| Test Description                               | Units | PQL  | Method     | Blank | #  | Base       | Dup.       | RPD | [NT]             | [NT] |
| Date prepared                                  | -     |      |            | [NT]  | 11 | 01/05/2025 | 01/05/2025 |     | [NT]             | [NT] |
| Date analysed                                  | -     |      |            | [NT]  | 11 | 01/05/2025 | 01/05/2025 |     | [NT]             | [NT] |
| Silver-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 11 | <1         | <1         | 0   | [NT]             | [NT] |
| Aluminium-Dissolved                            | µg/L  | 10   | Metals-022 | [NT]  | 11 | <10        | <10        | 0   | [NT]             | [NT] |
| Arsenic-Dissolved                              | µg/L  | 1    | Metals-022 | [NT]  | 11 | 20         | 21         | 5   | [NT]             | [NT] |
| Beryllium-Dissolved                            | µg/L  | 0.5  | Metals-022 | [NT]  | 11 | <0.5       | <0.5       | 0   | [NT]             | [NT] |
| Boron-Dissolved                                | µg/L  | 20   | Metals-022 | [NT]  | 11 | 20         | 20         | 0   | [NT]             | [NT] |
| Cadmium-Dissolved                              | µg/L  | 0.1  | Metals-022 | [NT]  | 11 | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| Chromium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 11 | <1         | <1         | 0   | [NT]             | [NT] |
| Cobalt-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 11 | 1          | <1         | 0   | [NT]             | [NT] |
| Copper-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 11 | <1         | <1         | 0   | [NT]             | [NT] |
| Iron-Dissolved                                 | µg/L  | 10   | Metals-022 | [NT]  | 11 | 4100       | 4300       | 5   | [NT]             | [NT] |
| Lead-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 11 | 1          | 1          | 0   | [NT]             | [NT] |
| Manganese-Dissolved                            | µg/L  | 5    | Metals-022 | [NT]  | 11 | 3800       | 3700       | 3   | [NT]             | [NT] |
| Mercury-Dissolved                              | µg/L  | 0.05 | Metals-021 | [NT]  | 11 | <0.05      | [NT]       |     | [NT]             | [NT] |
| Molybdenum-Dissolved                           | µg/L  | 1    | Metals-022 | [NT]  | 11 | 2          | 2          | 0   | [NT]             | [NT] |
| Nickel-Dissolved                               | µg/L  | 1    | Metals-022 | [NT]  | 11 | 5          | 5          | 0   | [NT]             | [NT] |
| Selenium-Dissolved                             | µg/L  | 1    | Metals-022 | [NT]  | 11 | <1         | <1         | 0   | [NT]             | [NT] |
| Zinc-Dissolved                                 | µg/L  | 1    | Metals-022 | [NT]  | 11 | 6          | 7          | 15  | [NT]             | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |       |         |            |   | Duplicate  |            |     | Spike Recovery % |            |
|-------------------------------------------------|-------|-------|---------|------------|---|------------|------------|-----|------------------|------------|
| Test Description                                | Units | PQL   | Method  | Blank      | # | Base       | Dup.       | RPD | LCS-W1           | 379259-2   |
| Date prepared                                   | -     |       |         | 06/05/2025 | 1 | 05/05/2025 | 05/05/2025 |     | 06/05/2025       | 05/05/2025 |
| Date analysed                                   | -     |       |         | 06/05/2025 | 1 | 05/05/2025 | 05/05/2025 |     | 06/05/2025       | 05/05/2025 |
| Perfluorobutanesulfonic acid                    | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.022      | 0.023      | 4   | 112              | 133        |
| Perfluoropentanesulfonic acid                   | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.014      | 0.014      | 0   | 76               | 73         |
| Perfluorohexanesulfonic acid - PFHxS            | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.14       | 0.14       | 0   | 95               | 94         |
| Perfluoroheptanesulfonic acid                   | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.007      | 0.007      | 0   | 85               | 85         |
| Perfluorooctanesulfonic acid PFOS               | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.33       | 0.31       | 6   | 104              | 87         |
| Perfluorodecanesulfonic acid                    | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 108              | 114        |
| Perfluorobutanoic acid                          | µg/L  | 0.002 | Org-029 | <0.002     | 1 | 0.026      | 0.027      | 4   | 114              | 132        |
| Perfluoropentanoic acid                         | µg/L  | 0.002 | Org-029 | <0.002     | 1 | 0.003      | 0.004      | 29  | 95               | 102        |
| Perfluorohexanoic acid                          | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.0099     | 0.01       | 1   | 97               | 95         |
| Perfluoroheptanoic acid                         | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.007      | 0.007      | 0   | 106              | 120        |
| Perfluorooctanoic acid PFOA                     | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.024      | 0.023      | 4   | 103              | 108        |
| Perfluorononanoic acid                          | µg/L  | 0.001 | Org-029 | <0.001     | 1 | 0.004      | 0.004      | 0   | 67               | 65         |
| Perfluorodecanoic acid                          | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 96               | 103        |
| Perfluoroundecanoic acid                        | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 100              | 98         |
| Perfluorododecanoic acid                        | µg/L  | 0.005 | Org-029 | <0.005     | 1 | <0.005     | <0.005     | 0   | 96               | 94         |
| Perfluorotridecanoic acid                       | µg/L  | 0.01  | Org-029 | <0.01      | 1 | <0.01      | <0.01      | 0   | 121              | 104        |
| Perfluorotetradecanoic acid                     | µg/L  | 0.05  | Org-029 | <0.05      | 1 | <0.05      | <0.05      | 0   | 105              | 102        |
| 4:2 FTS                                         | µg/L  | 0.001 | Org-029 | <0.001     | 1 | <0.001     | <0.001     | 0   | 108              | 114        |
| 6:2 FTS                                         | µg/L  | 0.001 | Org-029 | <0.001     | 1 | <0.001     | <0.001     | 0   | 114              | 112        |
| 8:2 FTS                                         | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 113              | 99         |
| 10:2 FTS                                        | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 95               | 82         |
| Perfluorooctane sulfonamide                     | µg/L  | 0.01  | Org-029 | <0.01      | 1 | <0.01      | <0.01      | 0   | 122              | 118        |
| N-Methyl perfluorooctane sulfonamide            | µg/L  | 0.05  | Org-029 | <0.05      | 1 | <0.05      | <0.05      | 0   | 104              | 113        |
| N-Ethyl perfluorooctanesulfonamide              | µg/L  | 0.1   | Org-029 | <0.1       | 1 | <0.1       | <0.1       | 0   | 131              | 129        |
| N-Me perfluorooctanesulfonamidethanol           | µg/L  | 0.05  | Org-029 | <0.05      | 1 | <0.05      | <0.05      | 0   | 78               | 64         |
| N-Et perfluorooctanesulfonamidethanol           | µg/L  | 0.5   | Org-029 | <0.5       | 1 | <0.5       | <0.5       | 0   | 101              | 116        |
| MePerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 100              | 88         |
| EtPerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | <0.002     | 1 | <0.002     | <0.002     | 0   | 88               | 79         |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS     | %     |       | Org-029 | 109        | 1 | 113        | 106        | 6   | 108              | 113        |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA     | %     |       | Org-029 | 110        | 1 | 111        | 115        | 4   | 107              | 115        |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend    |       |     |         |       | Duplicate |      |      | Spike Recovery % |        |          |
|----------------------------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|--------|----------|
| Test Description                                   | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-W1 | 379259-2 |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     |     | Org-029 | 50    | 1         | 57   | 55   | 4                | 50     | 57       |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     |     | Org-029 | 123   | 1         | 115  | 115  | 0                | 122    | 126      |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     |     | Org-029 | 100   | 1         | 125  | 130  | 4                | 101    | 139      |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     |     | Org-029 | 78    | 1         | 32   | 32   | 0                | 76     | 38       |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     |     | Org-029 | 65    | 1         | 48   | 47   | 2                | 63     | 53       |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     |     | Org-029 | 70    | 1         | 73   | 74   | 1                | 70     | 78       |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     |     | Org-029 | 90    | 1         | 103  | 97   | 6                | 87     | 107      |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     |     | Org-029 | 108   | 1         | 136  | 132  | 3                | 107    | 139      |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     |     | Org-029 | 120   | 1         | 137  | 133  | 3                | 117    | 150      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     |     | Org-029 | 124   | 1         | 167  | 159  | 5                | 128    | 180      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     |     | Org-029 | 120   | 1         | 156  | 147  | 6                | 125    | 165      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     |     | Org-029 | 132   | 1         | 171  | 153  | 11               | 139    | 196      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     |     | Org-029 | 105   | 1         | 130  | 100  | 26               | 96     | 177      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     |     | Org-029 | 87    | 1         | 99   | 95   | 4                | 89     | 112      |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     |     | Org-029 | 118   | 1         | #    | #    |                  | 119    | #        |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     |     | Org-029 | 129   | 1         | #    | #    |                  | 145    | #        |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     |     | Org-029 | 83    | 1         | 106  | 105  | 1                | 78     | 65       |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     |     | Org-029 | 94    | 1         | 96   | 100  | 4                | 93     | 95       |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     |     | Org-029 | 91    | 1         | 92   | 97   | 5                | 91     | 90       |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     |     | Org-029 | 97    | 1         | 96   | 101  | 5                | 96     | 99       |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |     |         |       |   | Duplicate |      |     | Spike Recovery % |          |
|-------------------------------------------------|-------|-----|---------|-------|---|-----------|------|-----|------------------|----------|
| Test Description                                | Units | PQL | Method  | Blank | # | Base      | Dup. | RPD | LCS-W1           | 379259-2 |
| Extracted ISTD d <sub>9</sub> N EtFOSE          | %     |     | Org-029 | 91    | 1 | 96        | 96   | 0   | 88               | 93       |
| Extracted ISTD d <sub>3</sub> N MeFOSAA         | %     |     | Org-029 | 115   | 1 | #         | #    |     | 132              | 137      |
| Extracted ISTD d <sub>5</sub> N EtFOSAA         | %     |     | Org-029 | 141   | 1 | #         | #    |     | 188              | #        |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |       |         |       |    | Duplicate  |            |     | Spike Recovery % |      |
|-------------------------------------------------|-------|-------|---------|-------|----|------------|------------|-----|------------------|------|
| Test Description                                | Units | PQL   | Method  | Blank | #  | Base       | Dup.       | RPD | [NT]             | [NT] |
| Date prepared                                   | -     |       |         | [NT]  | 11 | 06/05/2025 | 06/05/2025 |     | [NT]             | [NT] |
| Date analysed                                   | -     |       |         | [NT]  | 11 | 06/05/2025 | 06/05/2025 |     | [NT]             | [NT] |
| Perfluorobutanesulfonic acid                    | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.013      | 0.012      | 8   | [NT]             | [NT] |
| Perfluoropentanesulfonic acid                   | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.008      | 0.007      | 13  | [NT]             | [NT] |
| Perfluorohexanesulfonic acid - PFHxS            | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.064      | 0.058      | 10  | [NT]             | [NT] |
| Perfluoroheptanesulfonic acid                   | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.005      | 0.004      | 22  | [NT]             | [NT] |
| Perfluorooctanesulfonic acid PFOS               | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.19       | 0.17       | 11  | [NT]             | [NT] |
| Perfluorodecanesulfonic acid                    | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Perfluorobutanoic acid                          | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.01      | <0.01      | 0   | [NT]             | [NT] |
| Perfluoropentanoic acid                         | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Perfluorohexanoic acid                          | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.002      | 0.002      | 0   | [NT]             | [NT] |
| Perfluoroheptanoic acid                         | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.003      | 0.003      | 0   | [NT]             | [NT] |
| Perfluorooctanoic acid PFOA                     | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.013      | 0.012      | 8   | [NT]             | [NT] |
| Perfluorononanoic acid                          | µg/L  | 0.001 | Org-029 | [NT]  | 11 | 0.007      | 0.006      | 15  | [NT]             | [NT] |
| Perfluorodecanoic acid                          | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Perfluoroundecanoic acid                        | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Perfluorododecanoic acid                        | µg/L  | 0.005 | Org-029 | [NT]  | 11 | <0.005     | <0.005     | 0   | [NT]             | [NT] |
| Perfluorotridecanoic acid                       | µg/L  | 0.01  | Org-029 | [NT]  | 11 | <0.01      | <0.01      | 0   | [NT]             | [NT] |
| Perfluorotetradecanoic acid                     | µg/L  | 0.05  | Org-029 | [NT]  | 11 | <0.05      | <0.05      | 0   | [NT]             | [NT] |
| 4:2 FTS                                         | µg/L  | 0.001 | Org-029 | [NT]  | 11 | <0.001     | <0.001     | 0   | [NT]             | [NT] |
| 6:2 FTS                                         | µg/L  | 0.001 | Org-029 | [NT]  | 11 | <0.001     | <0.001     | 0   | [NT]             | [NT] |
| 8:2 FTS                                         | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| 10:2 FTS                                        | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Perfluorooctane sulfonamide                     | µg/L  | 0.01  | Org-029 | [NT]  | 11 | <0.01      | <0.01      | 0   | [NT]             | [NT] |
| N-Methyl perfluorooctane sulfonamide            | µg/L  | 0.05  | Org-029 | [NT]  | 11 | <0.05      | <0.05      | 0   | [NT]             | [NT] |
| N-Ethyl perfluorooctanesulfonamide              | µg/L  | 0.1   | Org-029 | [NT]  | 11 | <0.1       | <0.1       | 0   | [NT]             | [NT] |
| N-Me perfluorooctanesulfonamidethanol           | µg/L  | 0.05  | Org-029 | [NT]  | 11 | <0.05      | <0.05      | 0   | [NT]             | [NT] |
| N-Et perfluorooctanesulfonamidethanol           | µg/L  | 0.5   | Org-029 | [NT]  | 11 | <0.5       | <0.5       | 0   | [NT]             | [NT] |
| MePerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| EtPerfluorooctanesulfonamidacetic acid          | µg/L  | 0.002 | Org-029 | [NT]  | 11 | <0.002     | <0.002     | 0   | [NT]             | [NT] |
| Surrogate <sup>13</sup> C <sub>8</sub> PFOS     | %     |       | Org-029 | [NT]  | 11 | 104        | 109        | 5   | [NT]             | [NT] |
| Surrogate <sup>13</sup> C <sub>2</sub> PFOA     | %     |       | Org-029 | [NT]  | 11 | 110        | 113        | 3   | [NT]             | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend    |       |     |         |       |    | Duplicate |      |     | Spike Recovery % |      |
|----------------------------------------------------|-------|-----|---------|-------|----|-----------|------|-----|------------------|------|
| Test Description                                   | Units | PQL | Method  | Blank | #  | Base      | Dup. | RPD | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFBS   | %     |     | Org-029 | [NT]  | 11 | 52        | 54   | 4   | [NT]             | [NT] |
| Extracted ISTD <sup>18</sup> O <sub>2</sub> PFHxS  | %     |     | Org-029 | [NT]  | 11 | 156       | 172  | 10  | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOS   | %     |     | Org-029 | [NT]  | 11 | 123       | 126  | 2   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFBA   | %     |     | Org-029 | [NT]  | 11 | 27        | 29   | 7   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>3</sub> PFPeA  | %     |     | Org-029 | [NT]  | 11 | 52        | 51   | 2   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFHxA  | %     |     | Org-029 | [NT]  | 11 | 70        | 74   | 6   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFHpA  | %     |     | Org-029 | [NT]  | 11 | 97        | 101  | 4   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>4</sub> PFOA   | %     |     | Org-029 | [NT]  | 11 | 128       | 132  | 3   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>5</sub> PFNA   | %     |     | Org-029 | [NT]  | 11 | 134       | 142  | 6   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDA   | %     |     | Org-029 | [NT]  | 11 | 157       | 167  | 6   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFUnDA | %     |     | Org-029 | [NT]  | 11 | 139       | 150  | 8   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFDoDA | %     |     | Org-029 | [NT]  | 11 | 145       | 149  | 3   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> PFTeDA | %     |     | Org-029 | [NT]  | 11 | 121       | 121  | 0   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 4:2FTS | %     |     | Org-029 | [NT]  | 11 | 96        | 107  | 11  | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 6:2FTS | %     |     | Org-029 | [NT]  | 11 | 184       | 194  | 5   | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>2</sub> 8:2FTS | %     |     | Org-029 | [NT]  | 11 | #         | #    |     | [NT]             | [NT] |
| Extracted ISTD <sup>13</sup> C <sub>8</sub> FOSA   | %     |     | Org-029 | [NT]  | 11 | 84        | 88   | 5   | [NT]             | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSA             | %     |     | Org-029 | [NT]  | 11 | 96        | 96   | 0   | [NT]             | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSA             | %     |     | Org-029 | [NT]  | 11 | 94        | 92   | 2   | [NT]             | [NT] |
| Extracted ISTD d <sub>7</sub> N MeFOSE             | %     |     | Org-029 | [NT]  | 11 | 102       | 105  | 3   | [NT]             | [NT] |

| QUALITY CONTROL: PFAS in Water LOW LEVEL Extend |       |     |         |       |    | Duplicate |      |     | Spike Recovery % |      |
|-------------------------------------------------|-------|-----|---------|-------|----|-----------|------|-----|------------------|------|
| Test Description                                | Units | PQL | Method  | Blank | #  | Base      | Dup. | RPD | [NT]             | [NT] |
| Extracted ISTD d <sub>9</sub> N EtFOSE          | %     |     | Org-029 | [NT]  | 11 | 97        | 95   | 2   | [NT]             | [NT] |
| Extracted ISTD d <sub>3</sub> N MeFOSAA         | %     |     | Org-029 | [NT]  | 11 | 197       | #    |     | [NT]             | [NT] |
| Extracted ISTD d <sub>5</sub> N EtFOSAA         | %     |     | Org-029 | [NT]  | 11 | #         | #    |     | [NT]             | [NT] |

| QUALITY CONTROL: Ion Balance                                 |       |     |            |            | Duplicate |      |      |      | Spike Recovery % |      |
|--------------------------------------------------------------|-------|-----|------------|------------|-----------|------|------|------|------------------|------|
| Test Description                                             | Units | PQL | Method     | Blank      | #         | Base | Dup. | RPD  | LCS-W1           | [NT] |
| Date prepared                                                | -     |     |            | 01/05/2025 | [NT]      | [NT] | [NT] | [NT] | 01/05/2025       | [NT] |
| Date analysed                                                | -     |     |            | 01/05/2025 | [NT]      | [NT] | [NT] | [NT] | 01/05/2025       | [NT] |
| Calcium - Dissolved                                          | mg/L  | 0.5 | Metals-020 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Potassium - Dissolved                                        | mg/L  | 0.5 | Metals-020 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 96               | [NT] |
| Sodium - Dissolved                                           | mg/L  | 0.5 | Metals-020 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 92               | [NT] |
| Magnesium - Dissolved                                        | mg/L  | 0.5 | Metals-020 | <0.5       | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Hydroxide Alkalinity (OH <sup>-</sup> ) as CaCO <sub>3</sub> | mg/L  | 5   | Inorg-006  | <5         | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Bicarbonate Alkalinity as CaCO <sub>3</sub>                  | mg/L  | 5   | Inorg-006  | <5         | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Carbonate Alkalinity as CaCO <sub>3</sub>                    | mg/L  | 5   | Inorg-006  | <5         | [NT]      | [NT] | [NT] | [NT] | [NT]             | [NT] |
| Total Alkalinity as CaCO <sub>3</sub>                        | mg/L  | 5   | Inorg-006  | <5         | [NT]      | [NT] | [NT] | [NT] | 97               | [NT] |
| Sulphate, SO4                                                | mg/L  | 1   | Inorg-081  | <1         | [NT]      | [NT] | [NT] | [NT] | 103              | [NT] |
| Chloride, Cl                                                 | mg/L  | 1   | Inorg-081  | <1         | [NT]      | [NT] | [NT] | [NT] | 95               | [NT] |

| QUALITY CONTROL: Miscellaneous Inorganics |          |       |                   |            | Duplicate |            |            | Spike Recovery % |            |      |
|-------------------------------------------|----------|-------|-------------------|------------|-----------|------------|------------|------------------|------------|------|
| Test Description                          | Units    | PQL   | Method            | Blank      | #         | Base       | Dup.       | RPD              | LCS-W1     | [NT] |
| Date prepared                             | -        |       |                   | 30/04/2025 | 1         | 30/04/2025 | 30/04/2025 |                  | 30/04/2025 | [NT] |
| Date analysed                             | -        |       |                   | 30/04/2025 | 1         | 30/04/2025 | 30/04/2025 |                  | 30/04/2025 | [NT] |
| pH                                        | pH Units |       | Inorg-001         | [NT]       | 1         | 6.9        | 6.8        | 1                | [NT]       | [NT] |
| Electrical Conductivity                   | µS/cm    | 1     | Inorg-002         | <1         | 1         | 350        | 350        | 0                | 99         | [NT] |
| Total Dissolved Solids (grav)             | mg/L     | 5     | Inorg-018         | <5         | [NT]      | [NT]       | [NT]       | [NT]             | 88         | [NT] |
| Ammonia as N in water                     | mg/L     | 0.005 | Inorg-057         | <0.005     | [NT]      | [NT]       | [NT]       | [NT]             | 100        | [NT] |
| Nitrate as N in water                     | mg/L     | 0.005 | Inorg-055         | <0.005     | [NT]      | [NT]       | [NT]       | [NT]             | 100        | [NT] |
| Nitrite as N in water                     | mg/L     | 0.005 | Inorg-055         | <0.005     | [NT]      | [NT]       | [NT]       | [NT]             | 102        | [NT] |
| NOx as N in water                         | mg/L     | 0.005 | Inorg-055         | <0.005     | [NT]      | [NT]       | [NT]       | [NT]             | 100        | [NT] |
| Organic Nitrogen as N                     | mg/L     | 0.2   | Inorg-055/062/127 | <0.2       | [NT]      | [NT]       | [NT]       | [NT]             | [NT]       | [NT] |
| Total Nitrogen in water                   | mg/L     | 0.1   | Inorg-055/062/127 | <0.1       | [NT]      | [NT]       | [NT]       | [NT]             | 97         | [NT] |
| TKN in water                              | mg/L     | 0.1   | Inorg-062         | <0.1       | [NT]      | [NT]       | [NT]       | [NT]             | [NT]       | [NT] |

| QUALITY CONTROL: Miscellaneous Inorganics |          |     |           |       | Duplicate |            |            | Spike Recovery % |      |      |
|-------------------------------------------|----------|-----|-----------|-------|-----------|------------|------------|------------------|------|------|
| Test Description                          | Units    | PQL | Method    | Blank | #         | Base       | Dup.       | RPD              | [NT] | [NT] |
| Date prepared                             | -        |     |           | [NT]  | 11        | 30/04/2025 | 30/04/2025 |                  | [NT] | [NT] |
| Date analysed                             | -        |     |           | [NT]  | 11        | 30/04/2025 | 30/04/2025 |                  | [NT] | [NT] |
| pH                                        | pH Units |     | Inorg-001 | [NT]  | 11        | 6.8        | 6.8        | 0                | [NT] | [NT] |
| Electrical Conductivity                   | µS/cm    | 1   | Inorg-002 | [NT]  | 11        | 740        | 740        | 0                | [NT] | [NT] |

| QUALITY CONTROL: Metals in Waters - Acid extractable |       |      |            |            |      | Duplicate |      | Spike Recovery % |            |      |
|------------------------------------------------------|-------|------|------------|------------|------|-----------|------|------------------|------------|------|
| Test Description                                     | Units | PQL  | Method     | Blank      | #    | Base      | Dup. | RPD              | LCS-W1     | [NT] |
| Date prepared                                        | -     |      |            | 01/05/2025 | [NT] | [NT]      | [NT] | [NT]             | 01/05/2025 | [NT] |
| Date analysed                                        | -     |      |            | 01/05/2025 | [NT] | [NT]      | [NT] | [NT]             | 01/05/2025 | [NT] |
| Phosphorus - Total                                   | mg/L  | 0.05 | Metals-020 | <0.05      | [NT] | [NT]      | [NT] | [NT]             | 110        | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

Total metals: no unfiltered, preserved sample was received, therefore analysis was conducted from the unpreserved sample bottle.  
Note: there is a possibility some elements may be underestimated.

### VOC\_W\_LL:

The PQL for sample/s 379259-7,10,11,13,14 has been raised due to the high concentration of analytes in the samples, resulting in the samples requiring a dilution.

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

## **CERTIFICATE OF ANALYSIS 379259-A**

### **Client Details**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Client</b>    | Douglas Partners Newcastle                              |
| <b>Attention</b> | Joshua Kramer                                           |
| <b>Address</b>   | Box 324 Hunter Region Mail Centre, Newcastle, NSW, 2310 |

### **Sample Details**

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| <b>Your Reference</b>                       | <b><u>228674.02 - Gloucester</u></b> |
| <b>Number of Samples</b>                    | Additional analysis                  |
| <b>Date samples received</b>                | 30/04/2025                           |
| <b>Date completed instructions received</b> | 12/05/2025                           |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

**Please refer to the last page of this report for any comments relating to the results.**

### **Report Details**

|                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Date results requested by</b>                                                                            | 19/05/2025 |
| <b>Date of Issue</b>                                                                                        | 19/05/2025 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

**Results Approved By**  
Jack Wallis, Senior Chemist

**Authorised By**  
Nancy Zhang, Laboratory Manager

## svTRH (C10-C40) in Water NEPM Silica gel

|                                                 |       |            |            |             |             |             |
|-------------------------------------------------|-------|------------|------------|-------------|-------------|-------------|
| Our Reference                                   |       | 379259-A-5 | 379259-A-7 | 379259-A-10 | 379259-A-11 | 379259-A-12 |
| Your Reference                                  | UNITS | 105        | MW1        | 302         | 303         | 304         |
| Date Sampled                                    |       | 28/04/2025 | 28/04/2025 | 29/04/2025  | 29/04/2025  | 29/04/2025  |
| Type of sample                                  |       | Water      | Water      | Water       | Water       | Water       |
| Date extracted                                  | -     | 16/05/2025 | 16/05/2025 | 16/05/2025  | 16/05/2025  | 16/05/2025  |
| Date analysed                                   | -     | 17/05/2025 | 17/05/2025 | 17/05/2025  | 17/05/2025  | 17/05/2025  |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub>  | µg/L  | 60         | 1,800      | 650         | 1,500       | 100         |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub>  | µg/L  | <100       | <100       | <100        | <100        | <100        |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub>  | µg/L  | <100       | <100       | <100        | <100        | <100        |
| TRH (Silica) >C <sub>10</sub> - C <sub>16</sub> | µg/L  | 67         | 960        | 350         | 830         | 120         |
| TRH (Silica) >C <sub>16</sub> - C <sub>34</sub> | µg/L  | <100       | <100       | <100        | <100        | <100        |
| TRH (Silica) >C <sub>34</sub> - C <sub>40</sub> | µg/L  | <100       | <100       | <100        | <100        | <100        |
| Surrogate 1-Chlorooctadecane                    | %     | 86         | 77         | 89          | 102         | 81          |

## svTRH (C10-C40) in Water NEPM Silica gel

|                                                 |       |             |             |
|-------------------------------------------------|-------|-------------|-------------|
| Our Reference                                   |       | 379259-A-13 | 379259-A-14 |
| Your Reference                                  | UNITS | 305         | 306         |
| Date Sampled                                    |       | 29/04/2025  | 29/04/2025  |
| Type of sample                                  |       | Water       | Water       |
| Date extracted                                  | -     | 16/05/2025  | 16/05/2025  |
| Date analysed                                   | -     | 17/05/2025  | 17/05/2025  |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub>  | µg/L  | 2,100       | 1,000       |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub>  | µg/L  | <100        | <100        |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub>  | µg/L  | <100        | <100        |
| TRH (Silica) >C <sub>10</sub> - C <sub>16</sub> | µg/L  | 970         | 780         |
| TRH (Silica) >C <sub>16</sub> - C <sub>34</sub> | µg/L  | <100        | <100        |
| TRH (Silica) >C <sub>34</sub> - C <sub>40</sub> | µg/L  | <100        | <100        |
| Surrogate 1-Chlorooctadecane                    | %     | 95          | 77          |

| Method ID | Methodology Summary                                                                                                                                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Org-020   | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. |

| QUALITY CONTROL: svTRH (C10-C40) in Water NEPM Silica gel |       |     |         |            | Duplicate |      |      |      | Spike Recovery % |      |
|-----------------------------------------------------------|-------|-----|---------|------------|-----------|------|------|------|------------------|------|
| Test Description                                          | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD  | LCS-W1           | [NT] |
| Date extracted                                            | -     |     |         | 16/05/2025 | [NT]      | [NT] | [NT] | [NT] | 16/05/2025       | [NT] |
| Date analysed                                             | -     |     |         | 17/05/2025 | [NT]      | [NT] | [NT] | [NT] | 17/05/2025       | [NT] |
| TRH (Silica) C <sub>10</sub> - C <sub>14</sub>            | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT] | 110              | [NT] |
| TRH (Silica) C <sub>15</sub> - C <sub>28</sub>            | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT] | 118              | [NT] |
| TRH (Silica) C <sub>29</sub> - C <sub>36</sub>            | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT] | 129              | [NT] |
| TRH (Silica) >C <sub>10</sub> - C <sub>16</sub>           | µg/L  | 50  | Org-020 | <50        | [NT]      | [NT] | [NT] | [NT] | 110              | [NT] |
| TRH (Silica) >C <sub>16</sub> - C <sub>34</sub>           | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT] | 118              | [NT] |
| TRH (Silica) >C <sub>34</sub> - C <sub>40</sub>           | µg/L  | 100 | Org-020 | <100       | [NT]      | [NT] | [NT] | [NT] | 129              | [NT] |
| Surrogate 1-Chlorooctadecane                              | %     |     | Org-020 | 100        | [NT]      | [NT] | [NT] | [NT] | 116              | [NT] |

## Result Definitions

|             |                                           |
|-------------|-------------------------------------------|
| <b>NT</b>   | Not tested                                |
| <b>NA</b>   | Test not required                         |
| <b>INS</b>  | Insufficient sample for this test         |
| <b>PQL</b>  | Practical Quantitation Limit              |
| <b>&lt;</b> | Less than                                 |
| <b>&gt;</b> | Greater than                              |
| <b>RPD</b>  | Relative Percent Difference               |
| <b>LCS</b>  | Laboratory Control Sample                 |
| <b>NS</b>   | Not specified                             |
| <b>NEPM</b> | National Environmental Protection Measure |
| <b>NR</b>   | Not Reported                              |

## Quality Control Definitions

|                                        |                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b>                           | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.           |
| <b>Duplicate</b>                       | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.                                                 |
| <b>Matrix Spike</b>                    | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| <b>LCS (Laboratory Control Sample)</b> | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.                                |
| <b>Surrogate Spike</b>                 | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.                          |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

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For VOCs in water samples, three vials are required for duplicate or spike analysis.

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Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

Samples were out of the recommended holding time for this analysis.



The header banner features the Envirolab logo on the left, which includes a stylized leaf and the word "Envirolab". To the right of the logo is a green banner with the text "Great Chemistry. Great Service." and three small icons labeled "Qy", "Ri", and "Va" representing Quality, Reliability, and Value. Below the banner, the company name and contact information are listed.

**ENVIROLAB SERVICES PTY LTD**  
phone: 02 9910 6200; fax: 02 9910 6201  
[www.envirolabservices.com.au](http://www.envirolabservices.com.au)  
[enquiries@envirolabservices.com.au](mailto:enquiries@envirolabservices.com.au)  
12 Ashley St, Chatswood NSW 2067

# Hydrocarbon Reference Library

Envirolab Services Pty Ltd



## Background

Petroleum hydrocarbons are made up of a large number of compounds that are originally derived from crude oil, as well as other sources of petroleum such as natural gas, coal, and peat. Petroleum hydrocarbons consist of three major groups of compounds (paraffins, olefins and aromatics).

Paraffins are alkanes (single bonded) and are one of the major constituents of crude oil. Examples are kerosene, gasoline and diesel.

Olefins are alkenes (double bonded). An example is Ethylene (extracted from natural gas).

Aromatics contain one or more 6 carbon rings with 3 of the carbons containing double bonds. Mononuclear (1 ring) examples are Benzene, Toluene, Ethyl benzene, Xylene (BTEX). Polynuclear (multiple rings) examples include Naphthalene, Pyrene (PAHs).

Products are produced by a combination of several individual hydrocarbon compounds all of which have slightly different vaporization and boiling temperatures. Due to the large number of constituents that make up petroleum products, samples are measured as Total Petroleum Hydrocarbons (TPH) and are analysed by capillary column gas chromatography.

A small amount of the sample extract is injected into a gas chromatograph. Once injected, the product is heated and vaporized and carried into a capillary column by a flow of inert gas. As the temperature of the column increases, the compounds begin to move through the column. The more volatile and lower boiling compounds will move first. A flame ionization detector (FID) connected to the end of the column detects the components of the product as they elute from the column. The time that it takes for individual components to go through the column depends on the temperature, length of column, column characteristics, and the character of the compound itself.

## Hydrocarbon Reference Chromatograms

The resulting chromatogram (hydrocarbon report) gives a “fingerprint” of the contamination in the sample. This hydrocarbon report can then be compared to the Envirolab Hydrocarbon Reference Library, to help to qualitatively identify the source of the contamination. Chromatograms may differ slightly depending on the source of the product and the effects of weathering.

The bottom (horizontal) scale indicates the time in minutes. These retention times may differ slightly, but the overall “fingerprint” will usually be comparable to the reference hydrocarbon report.

The vertical scale indicates the response from the detector, and this scale will vary depending on the concentration of the sample.



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| Wood chips spiked with diesel                         | 65 |
| Wood chips spiked with diesel with Silica Gel Cleanup | 66 |

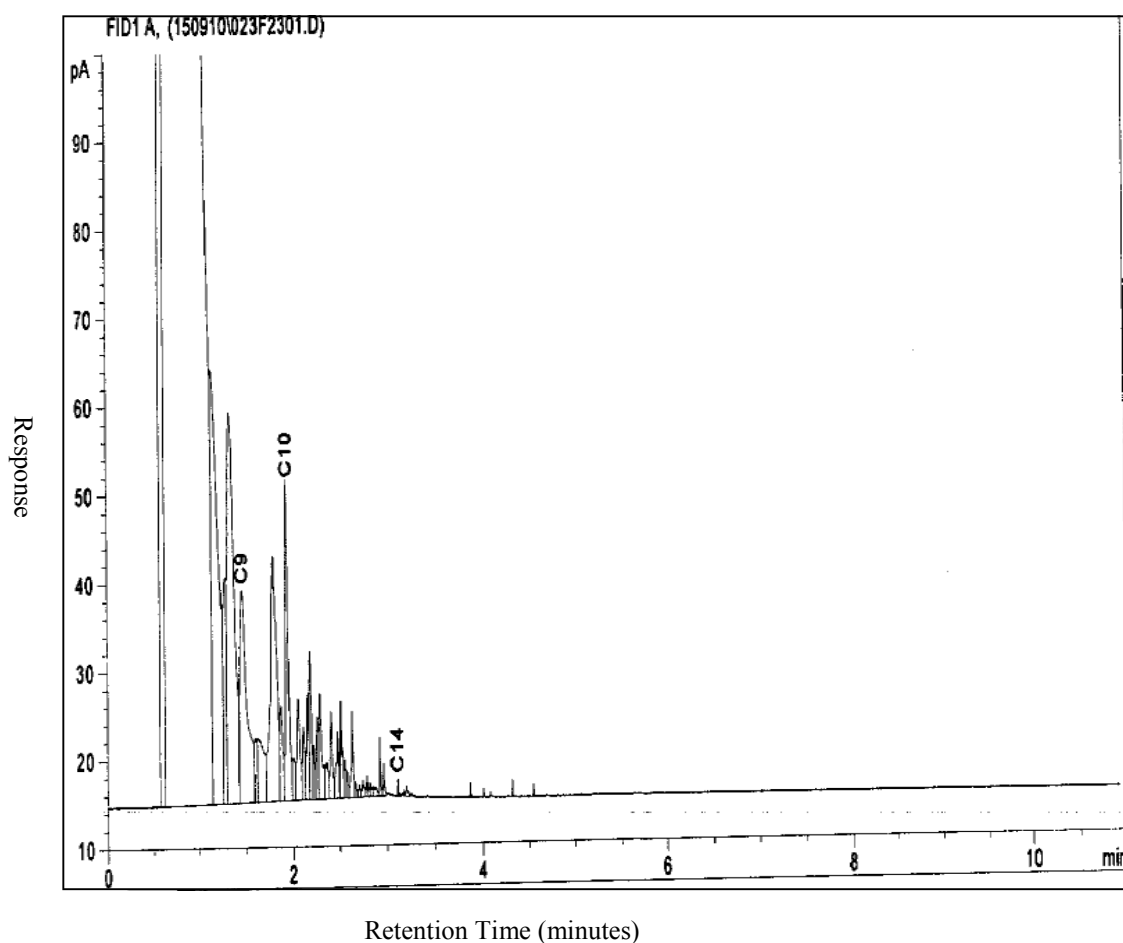
### Discrete Compounds

|                    |    |
|--------------------|----|
| Florida Alkane Mix | 67 |
| PAH mixture        | 68 |

# HYDROCARBON REFERENCE LIBRARY



## UNLEADED PETROL unweathered



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

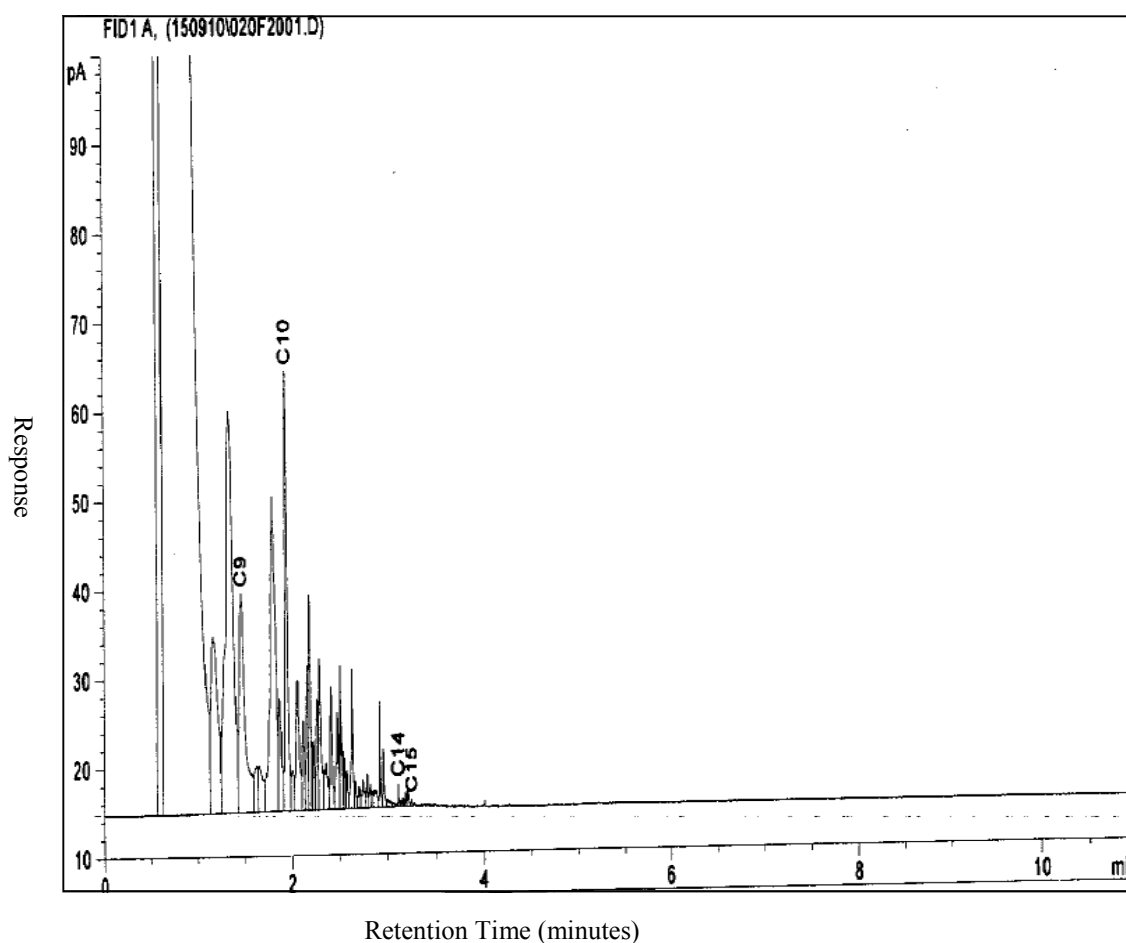
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## UNLEADED PETROL 25% Weathered



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

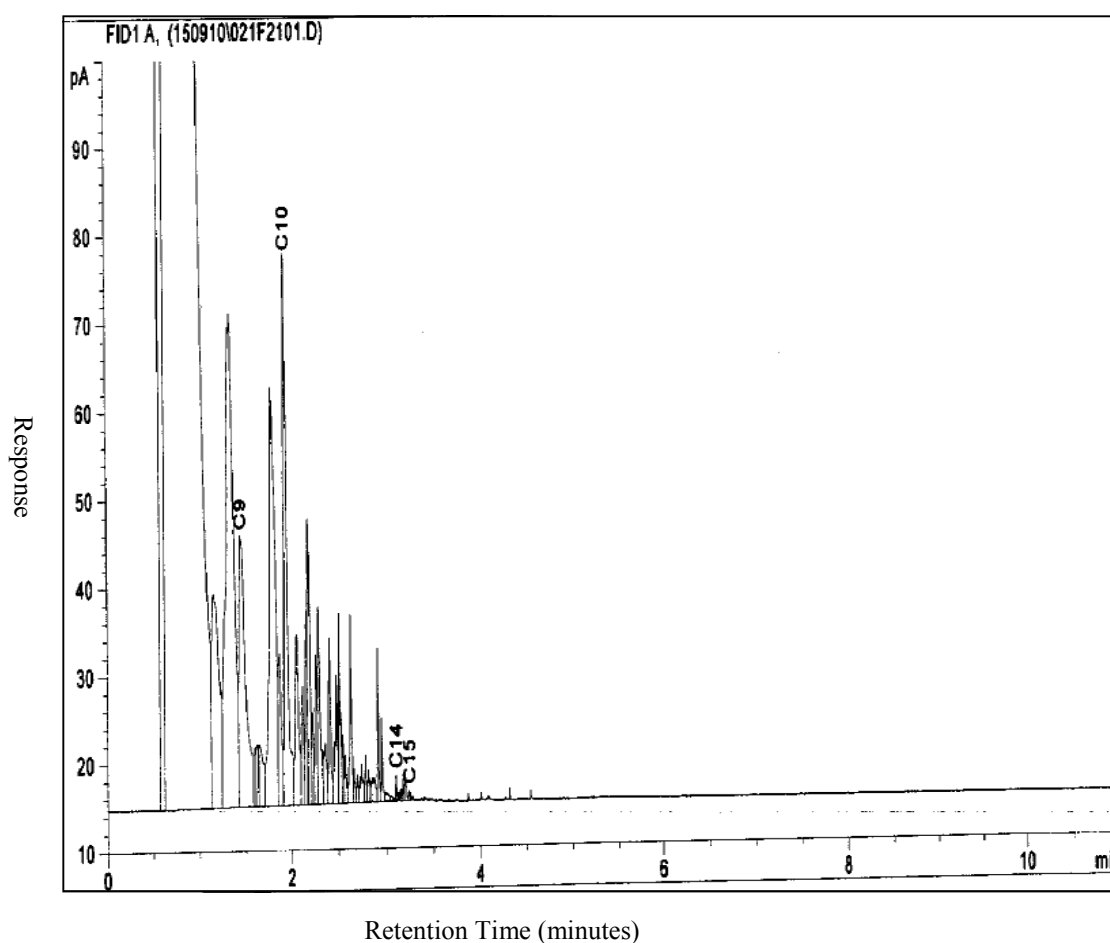
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## UNLEADED PETROL 50% Weathered



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The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

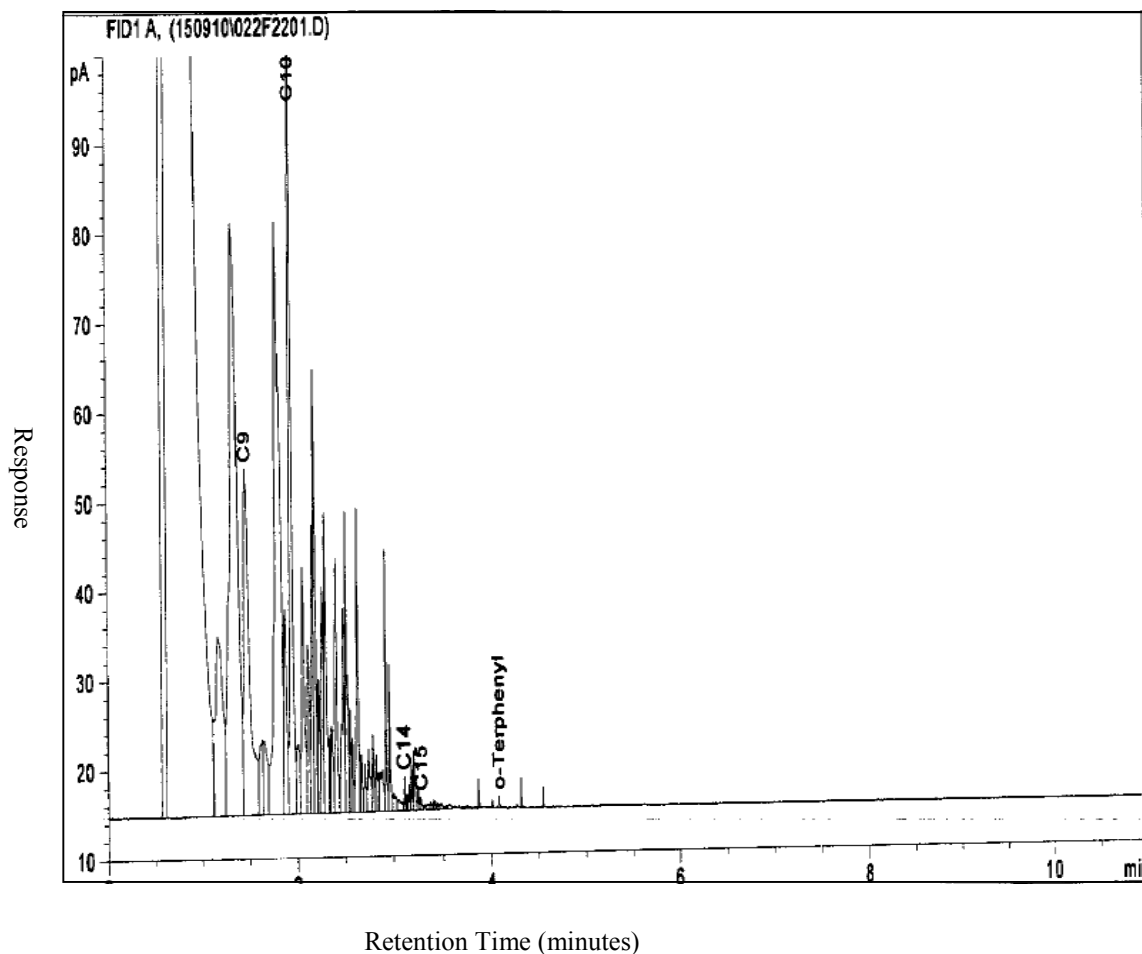
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## UNLEADED PETROL 75% Weathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

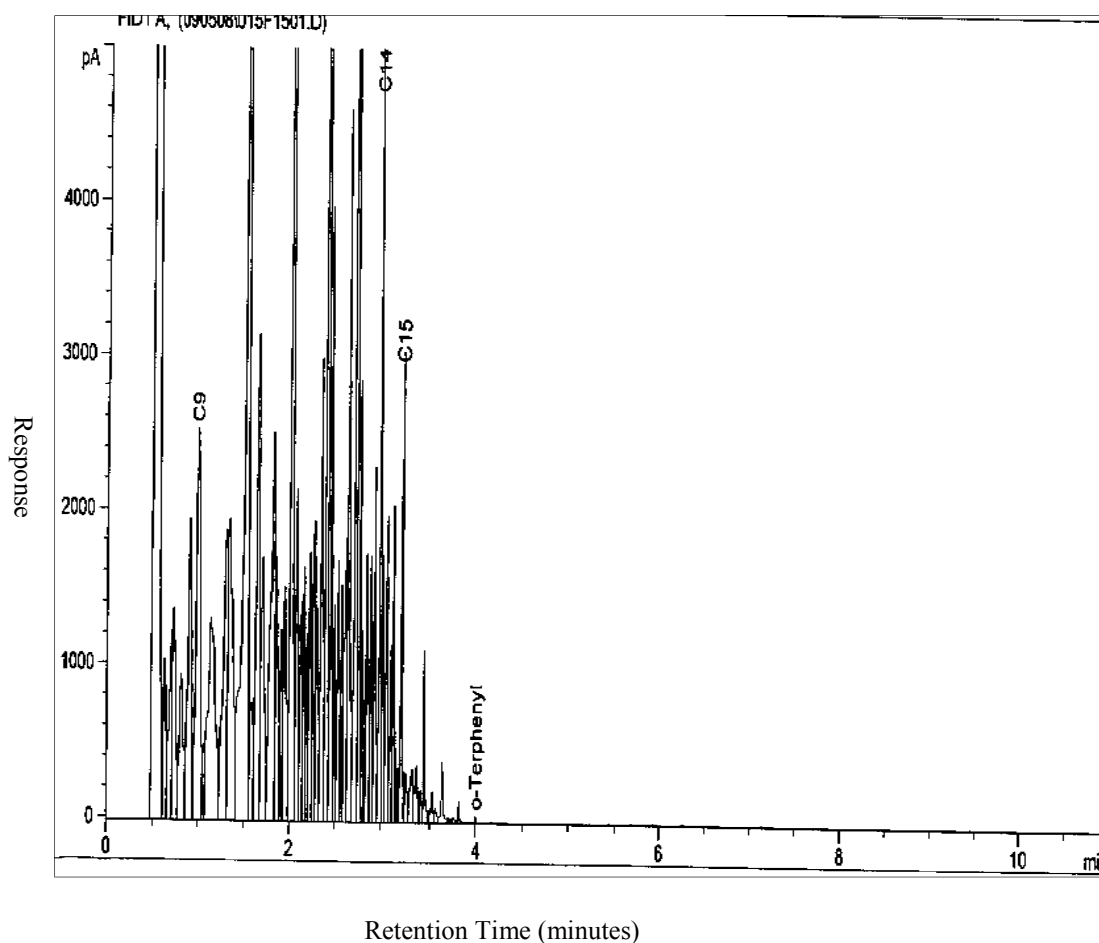
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## JET FUEL



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

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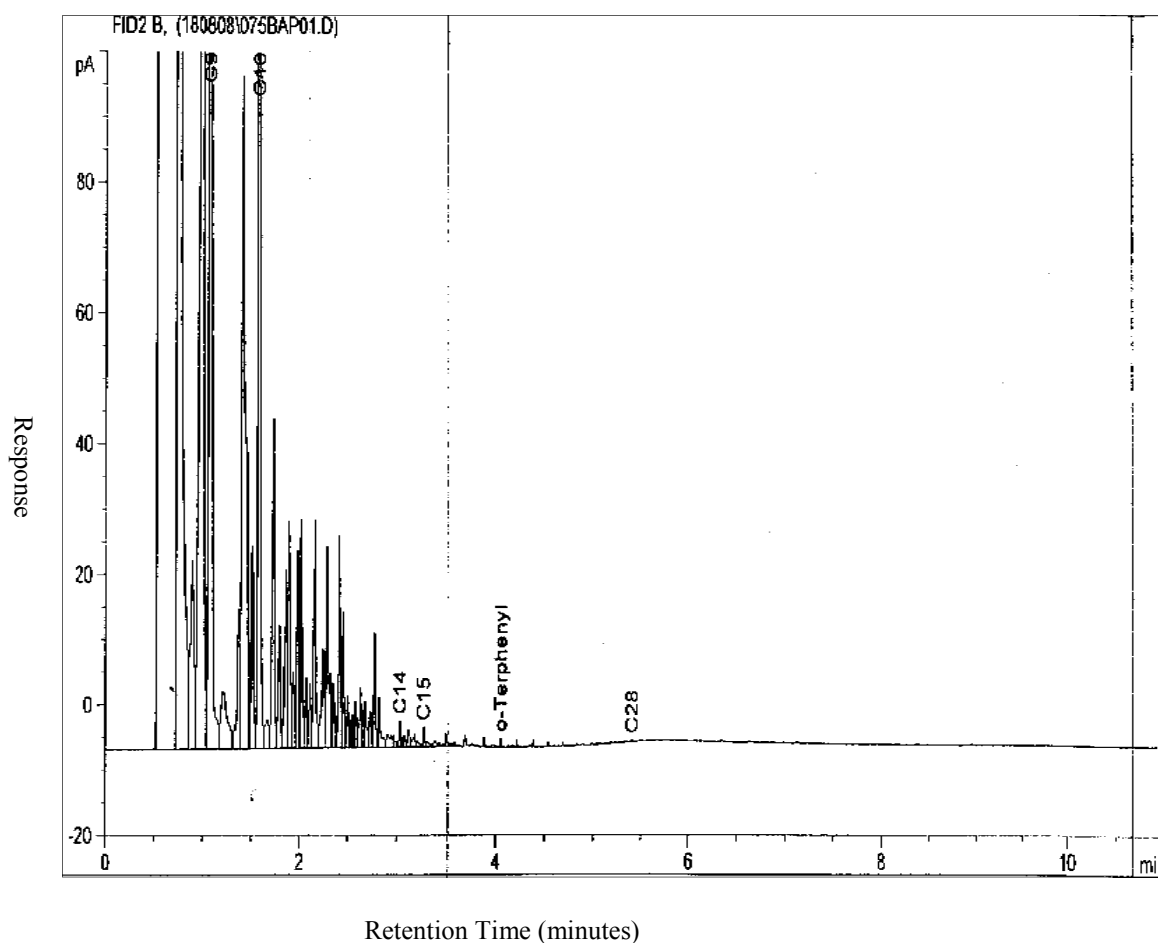
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## 2 STROKE FUEL



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

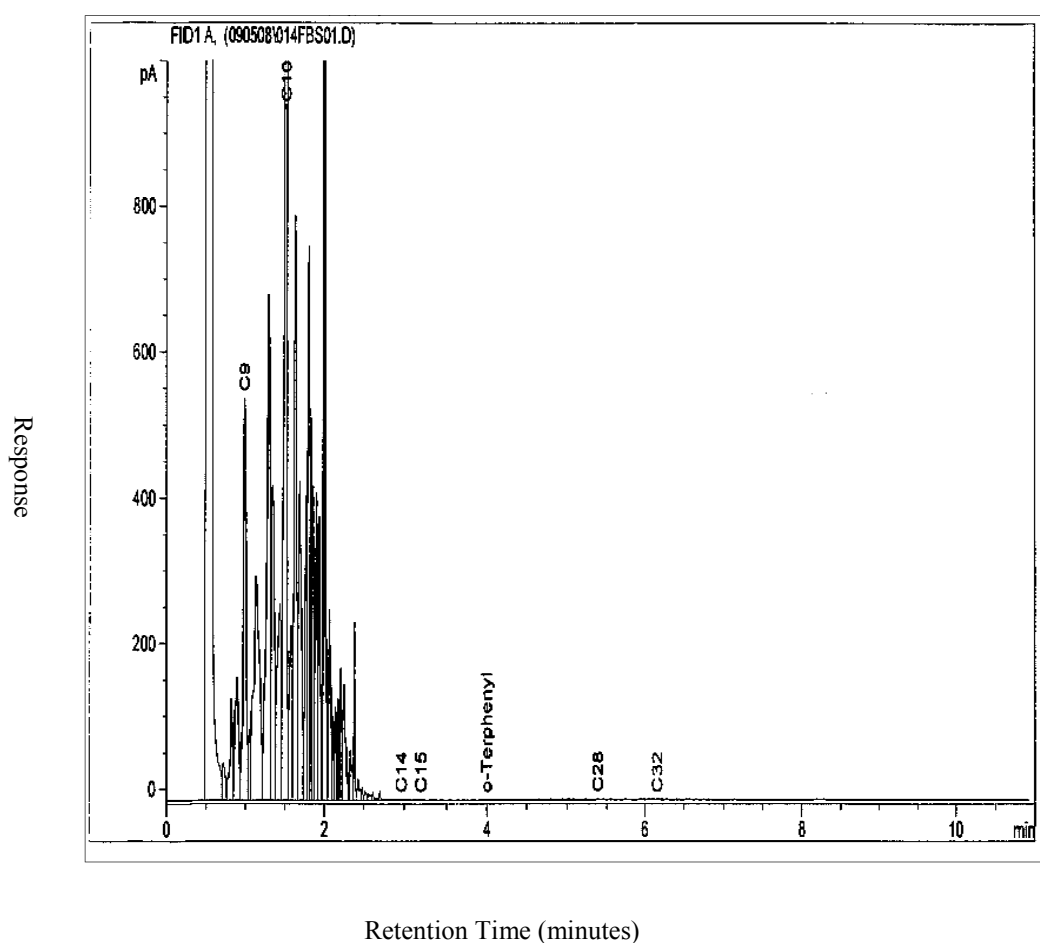
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## WHITE SPIRIT (Paraffin derived solvent)



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

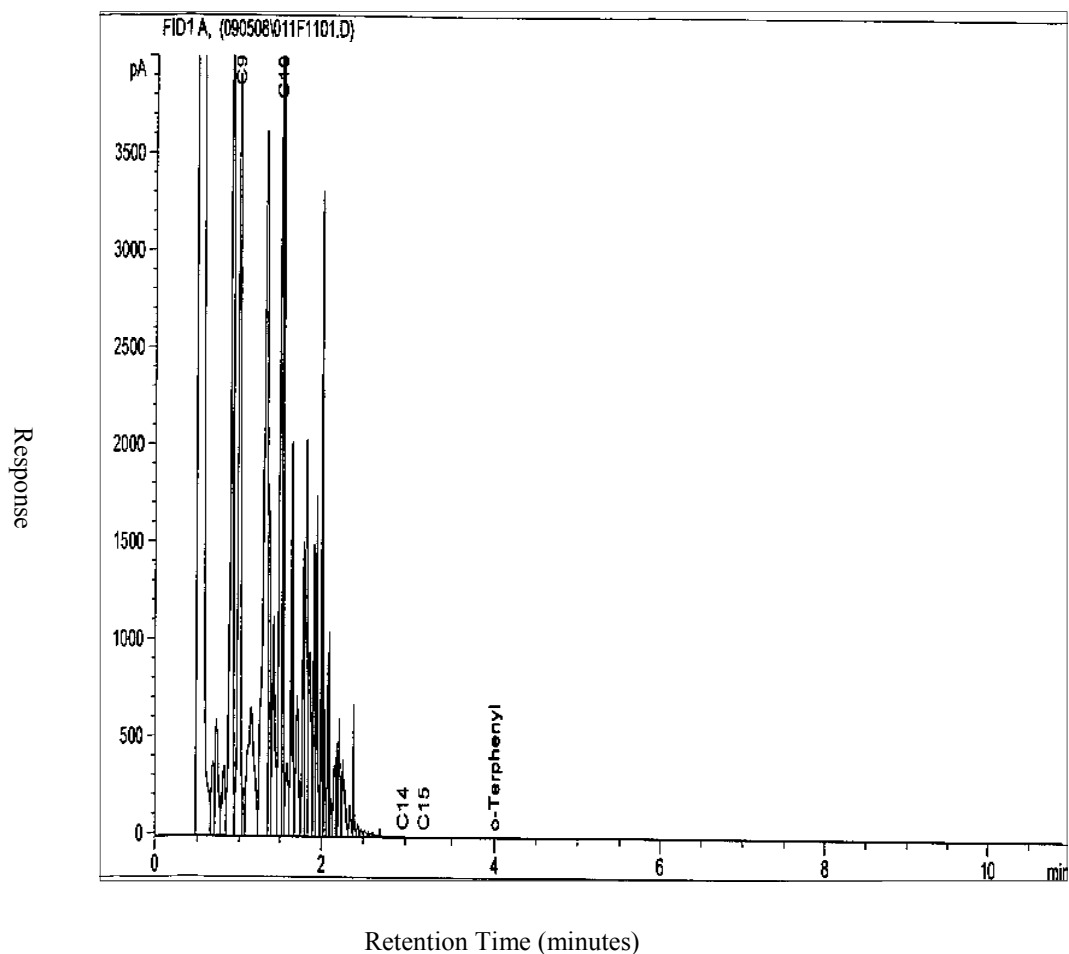
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## TURPENTINE



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

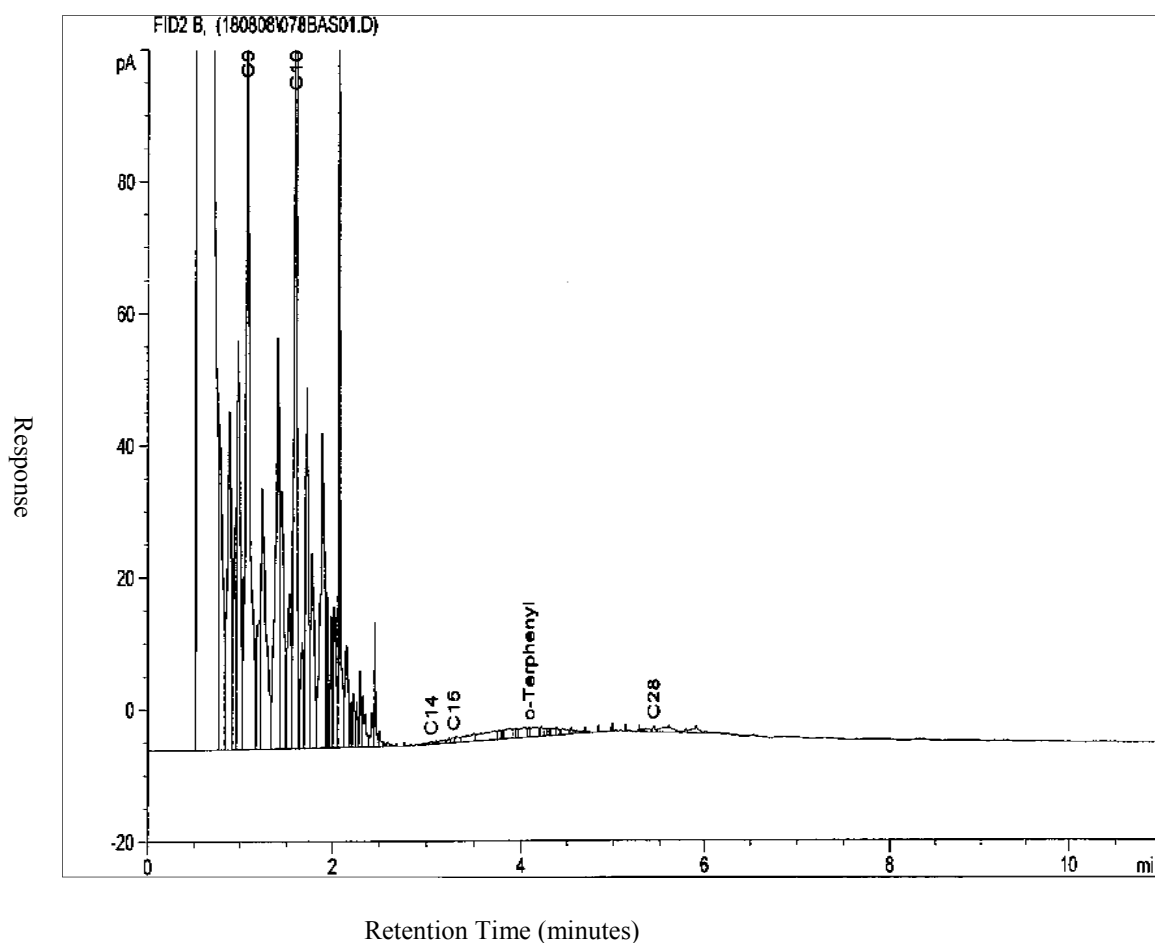
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



WD 40



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

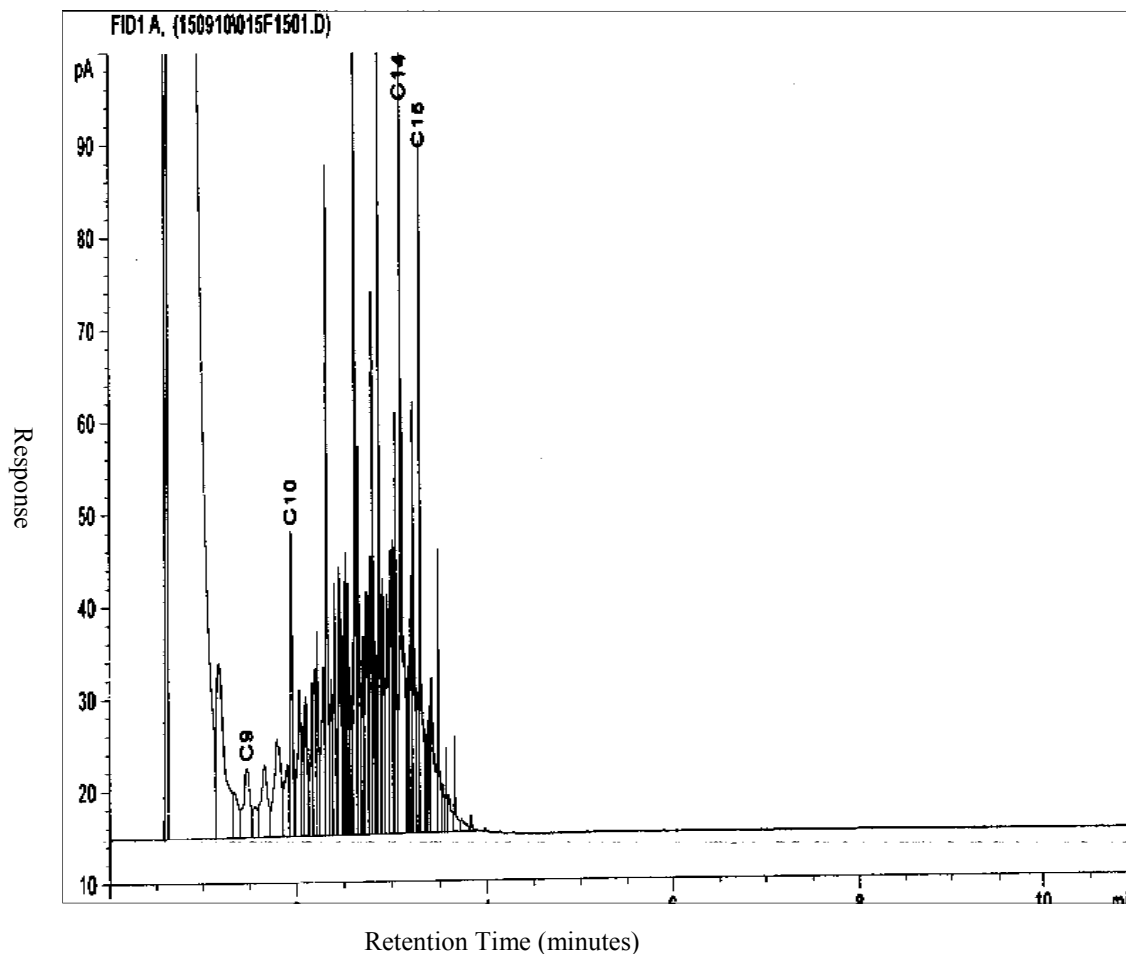
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## KEROSENE Unweathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

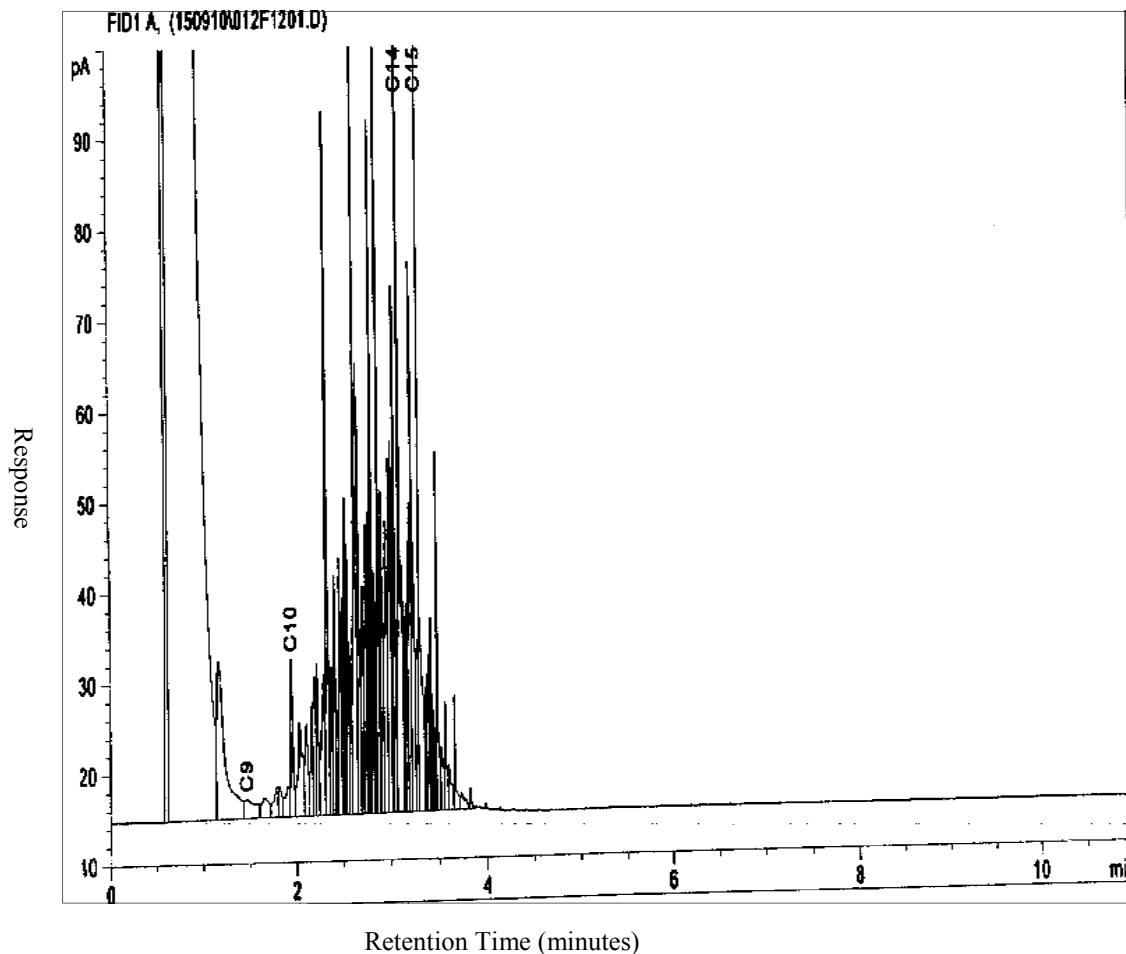
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## KEROSENE 25% weathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

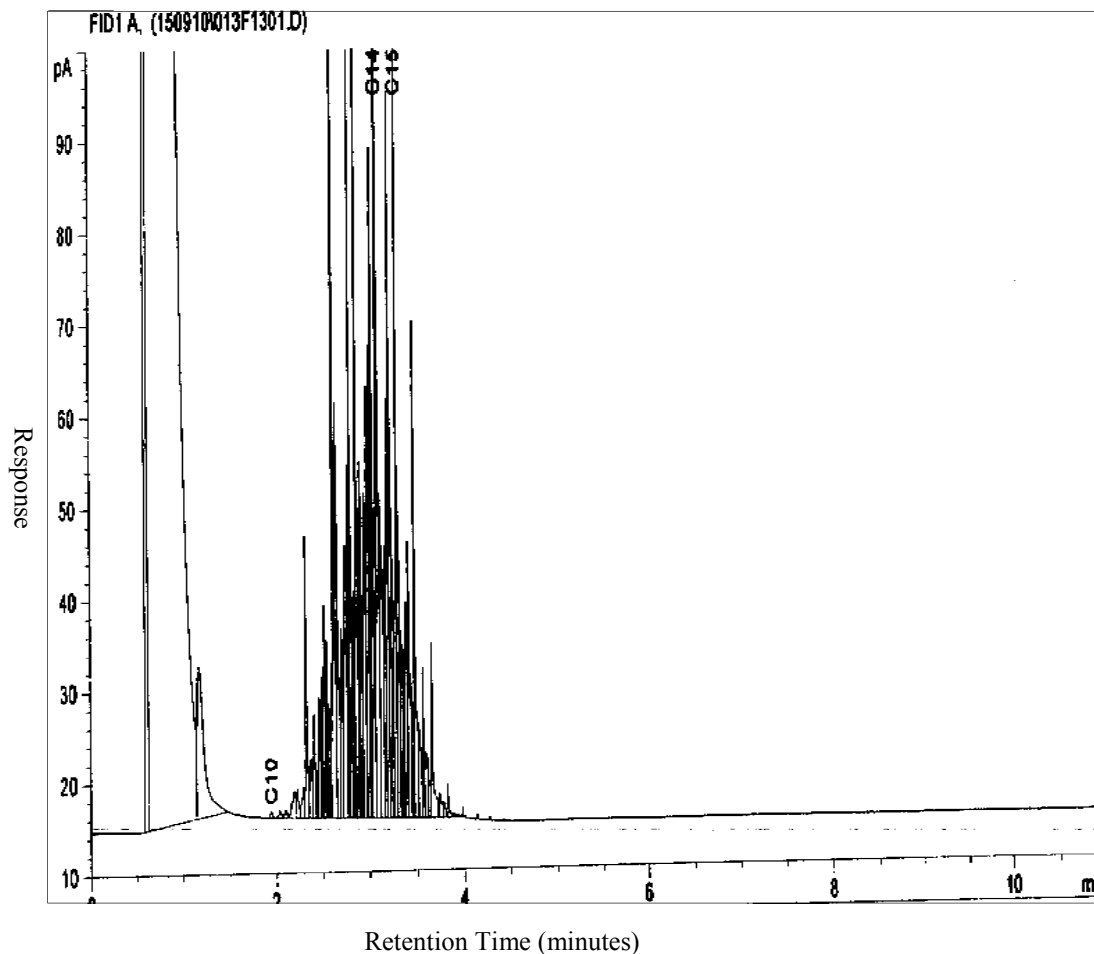
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## KEROSENE 50% weathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

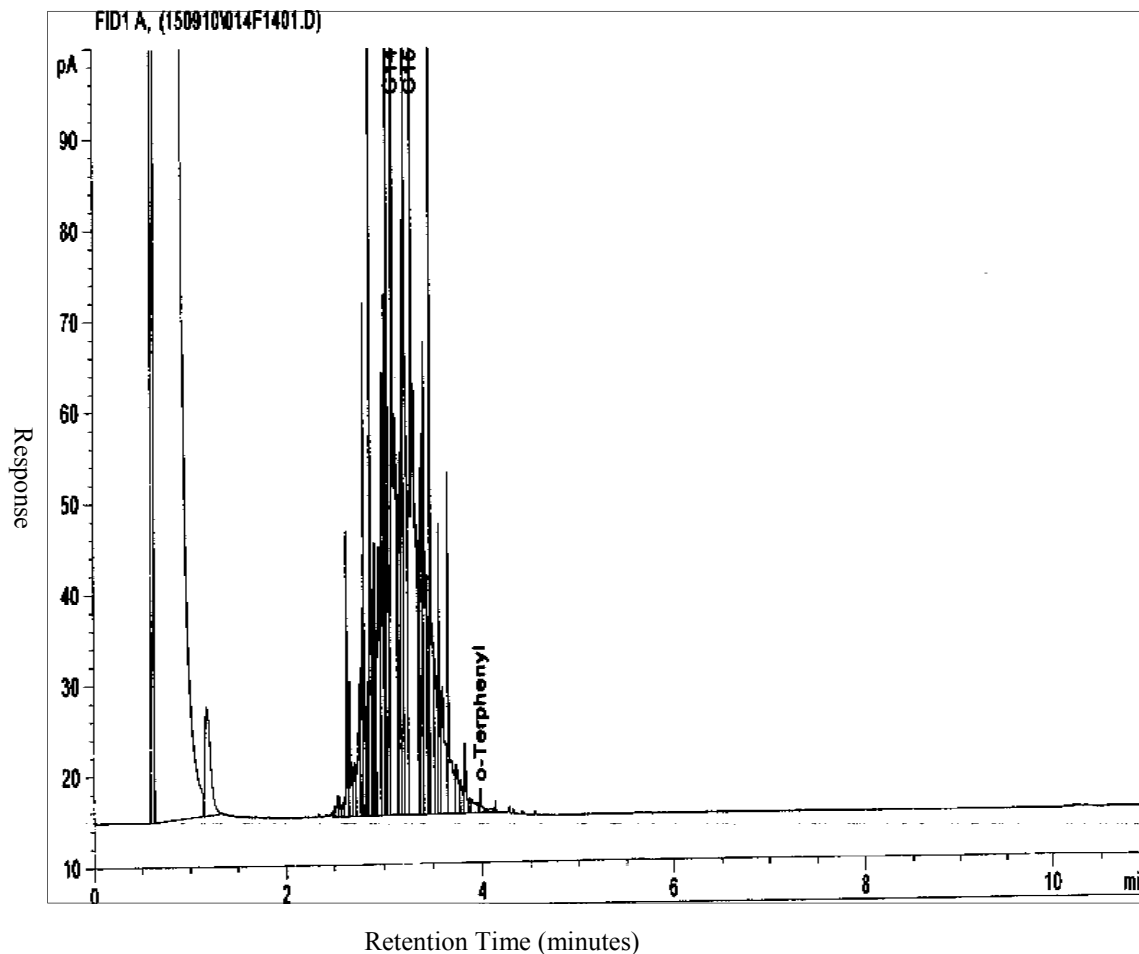
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## KEROSENE 75% weathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

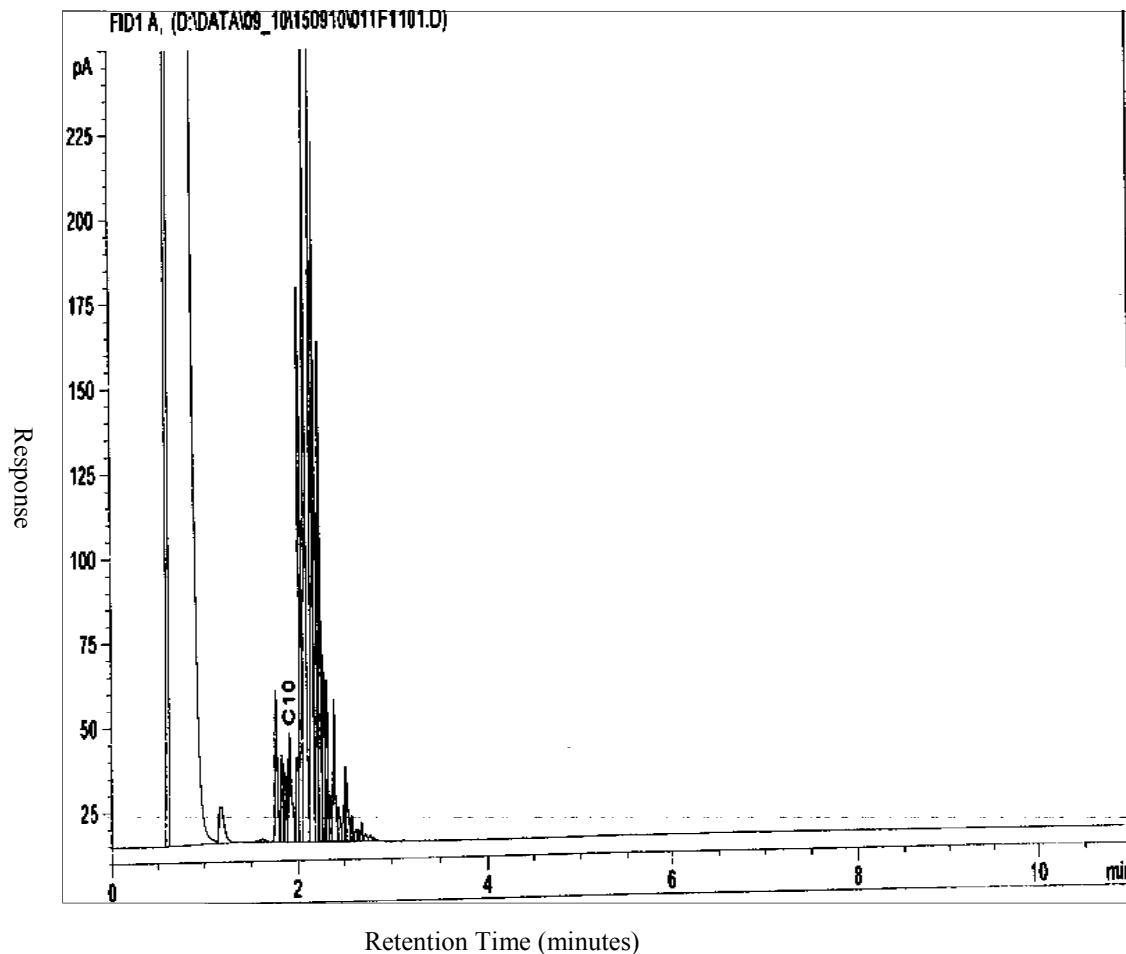
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## MINERAL SPIRIT unweathered



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

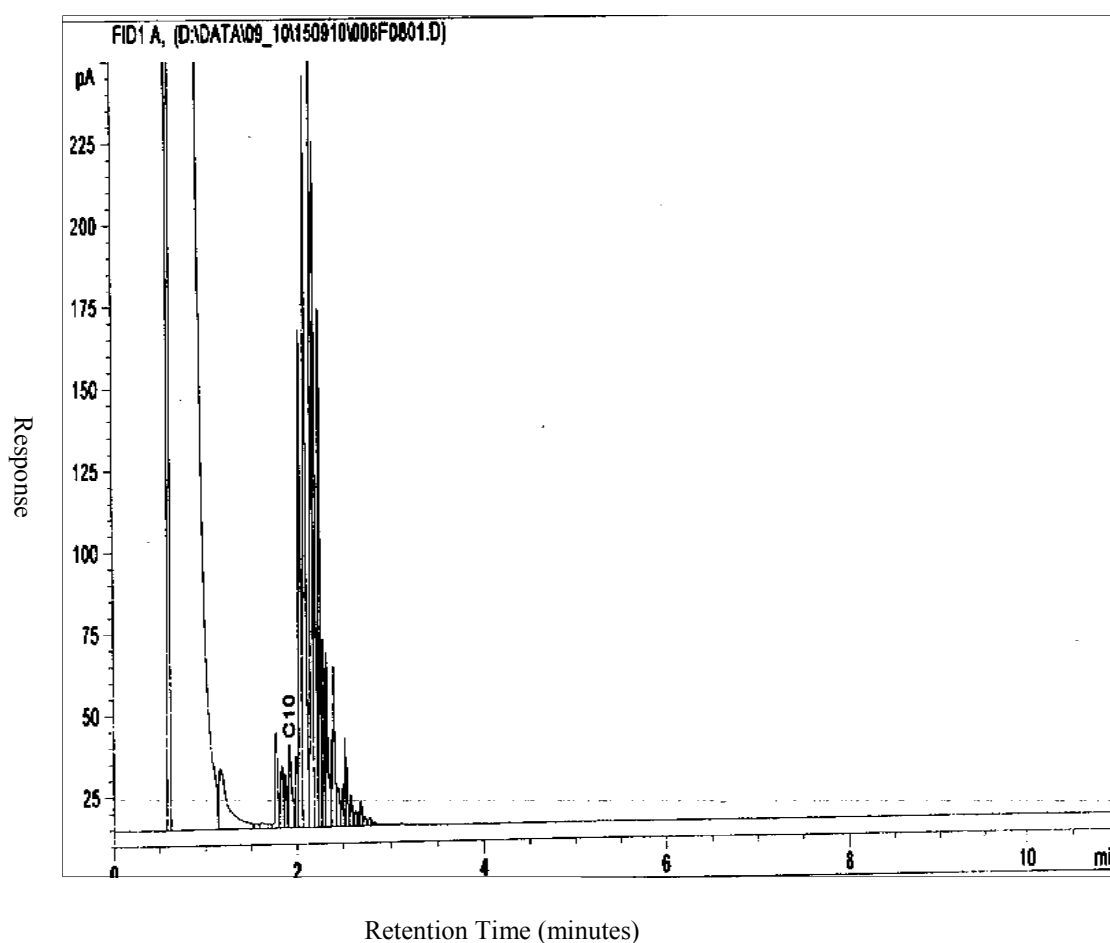
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## MINERAL SPIRIT 25% weathered



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

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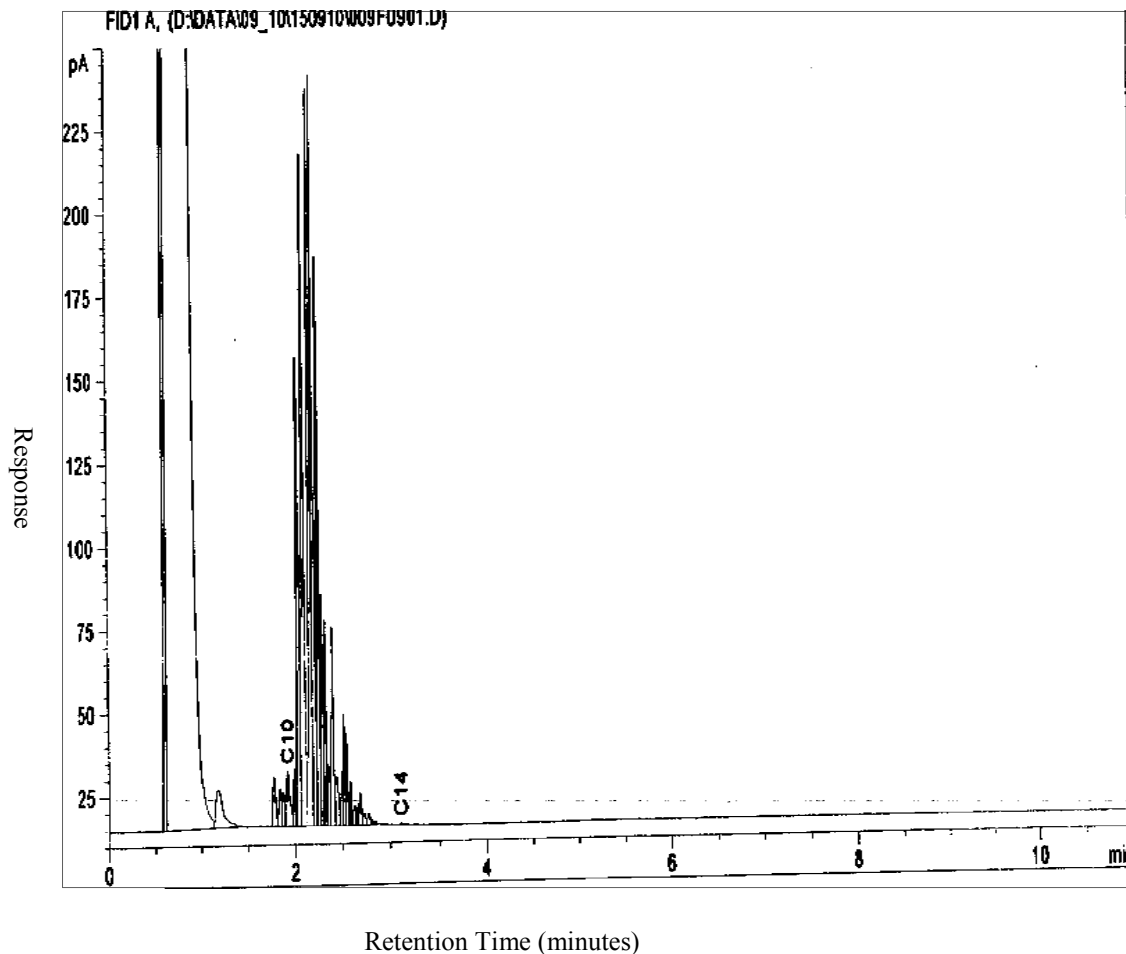
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## MINERAL SPIRIT 50% weathered



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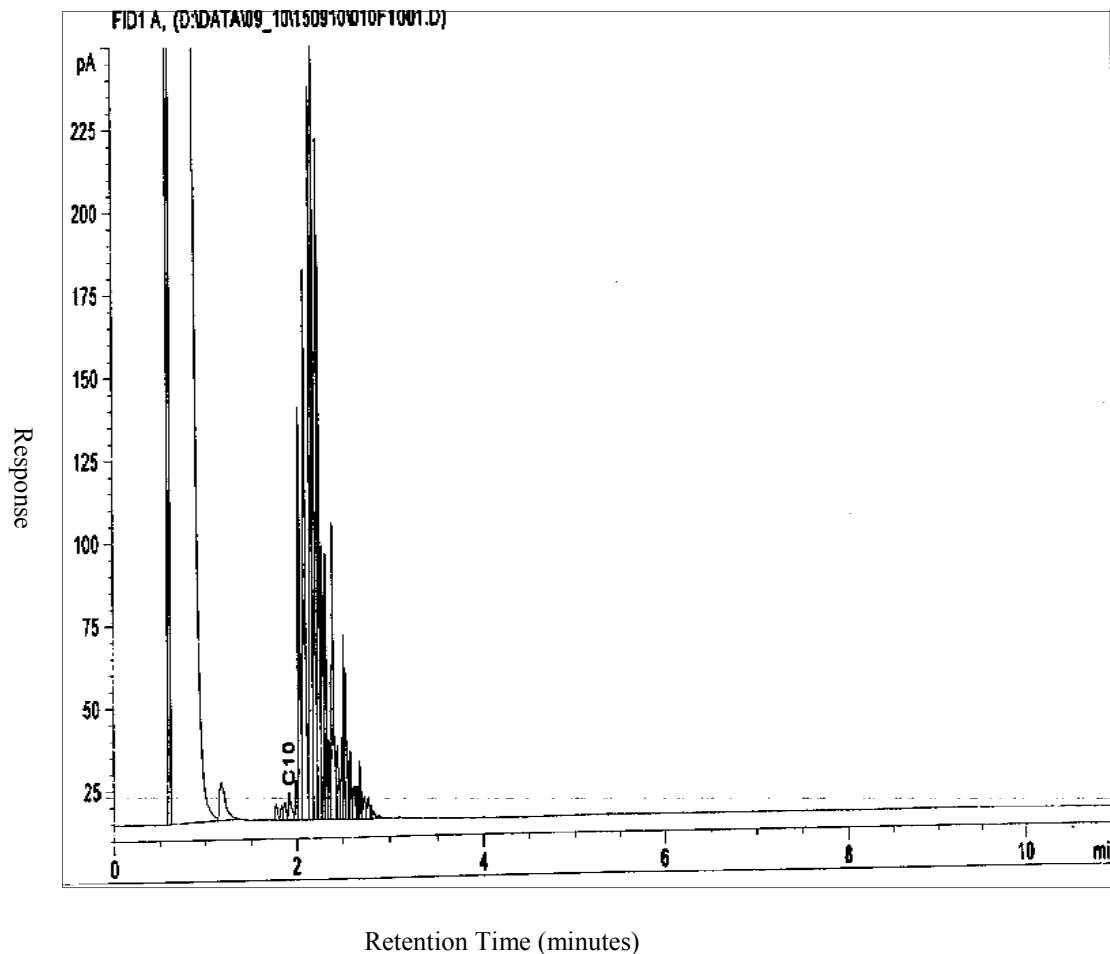
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## MINERAL SPIRIT 75% weathered



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

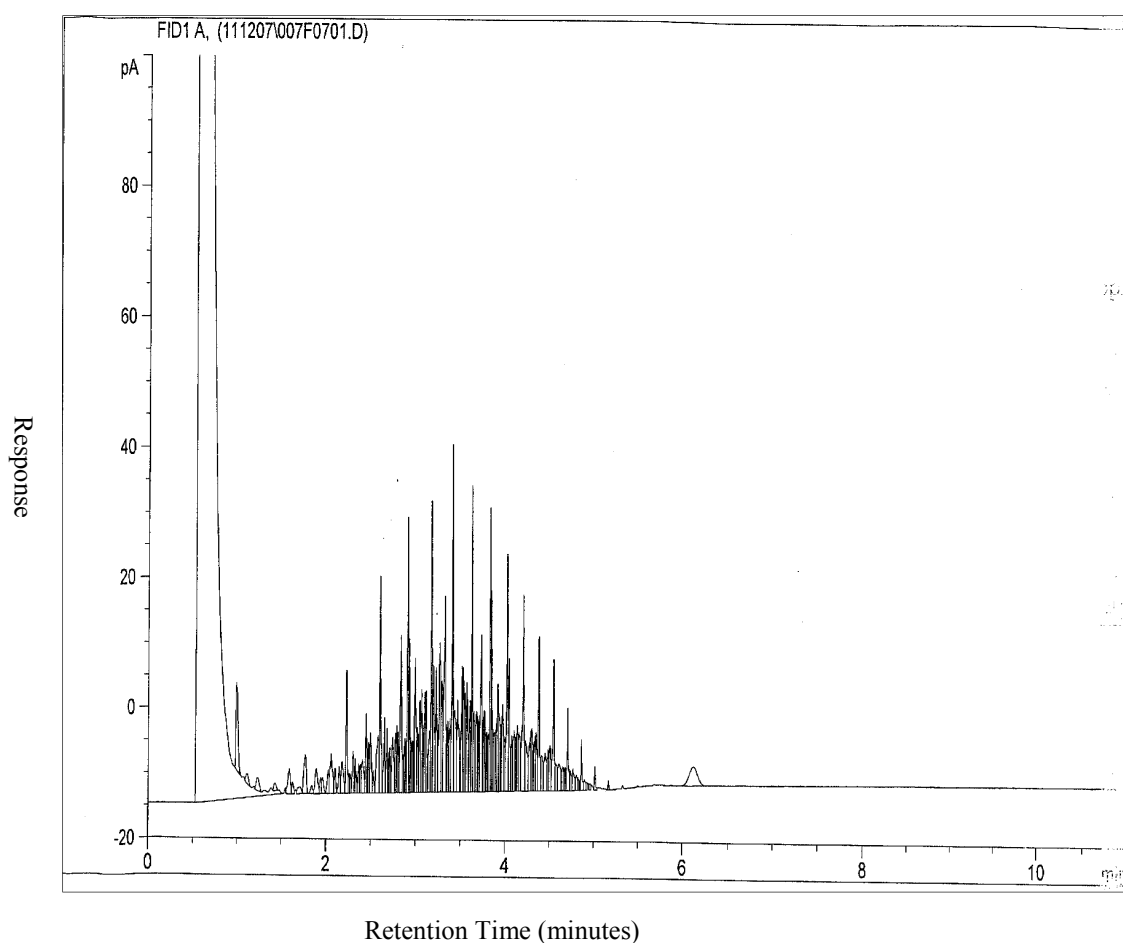
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## UNWEATHERED DIESEL



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

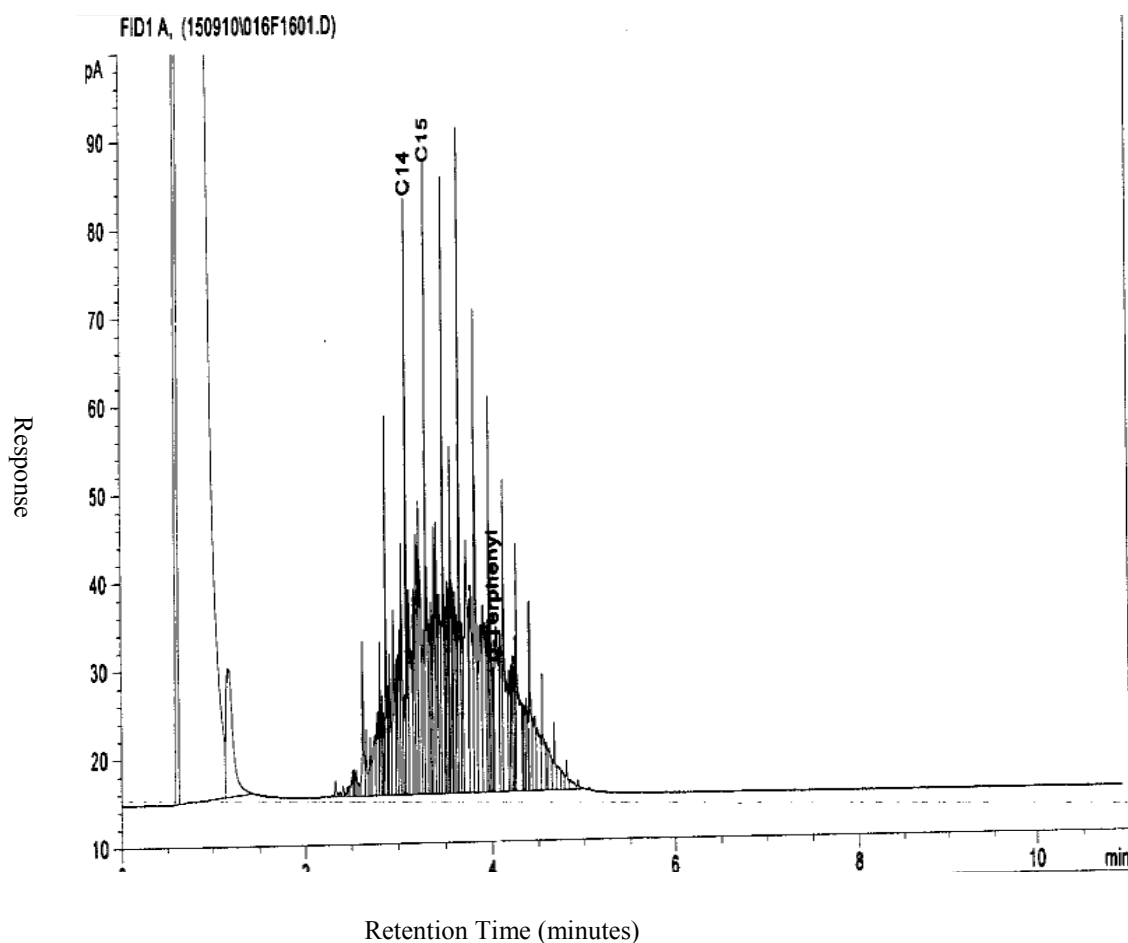
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## 25% WEATHERED DIESEL



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

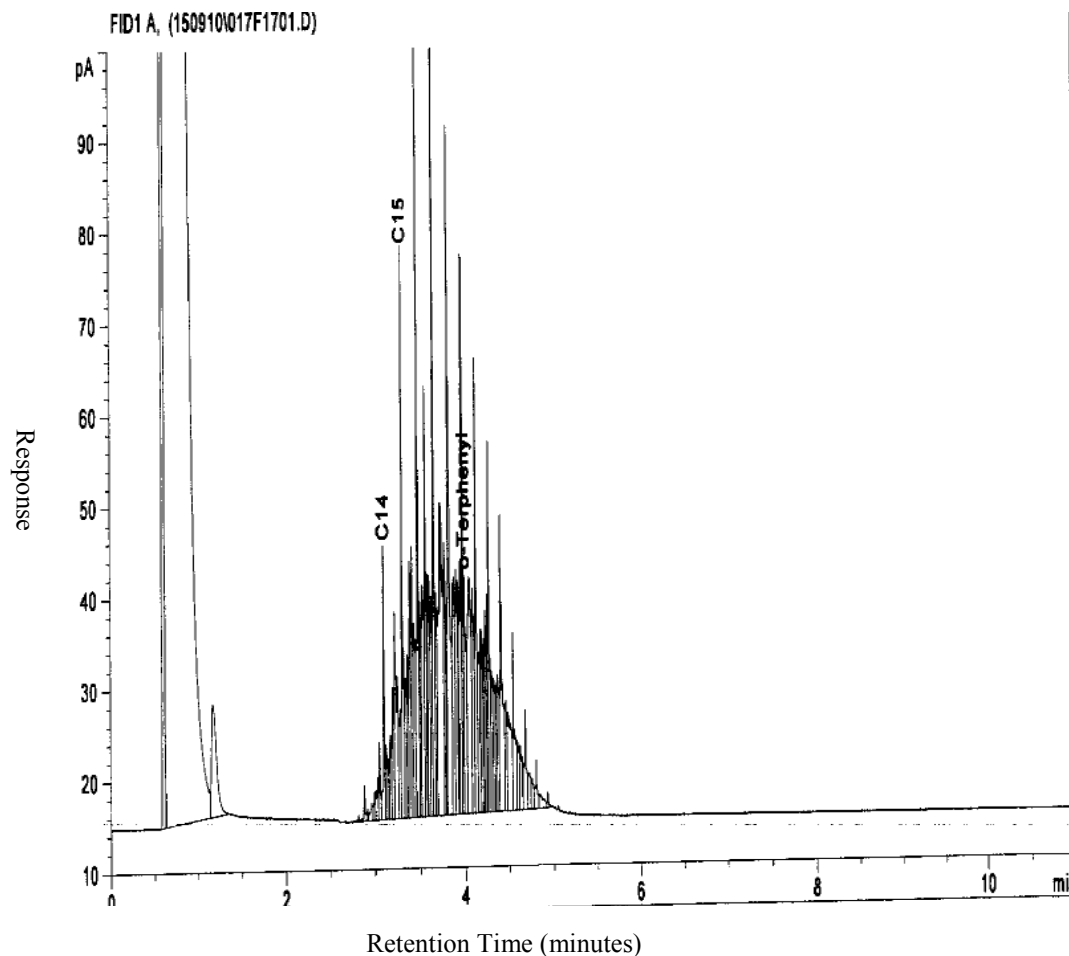
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## 50% WEATHERED DIESEL



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

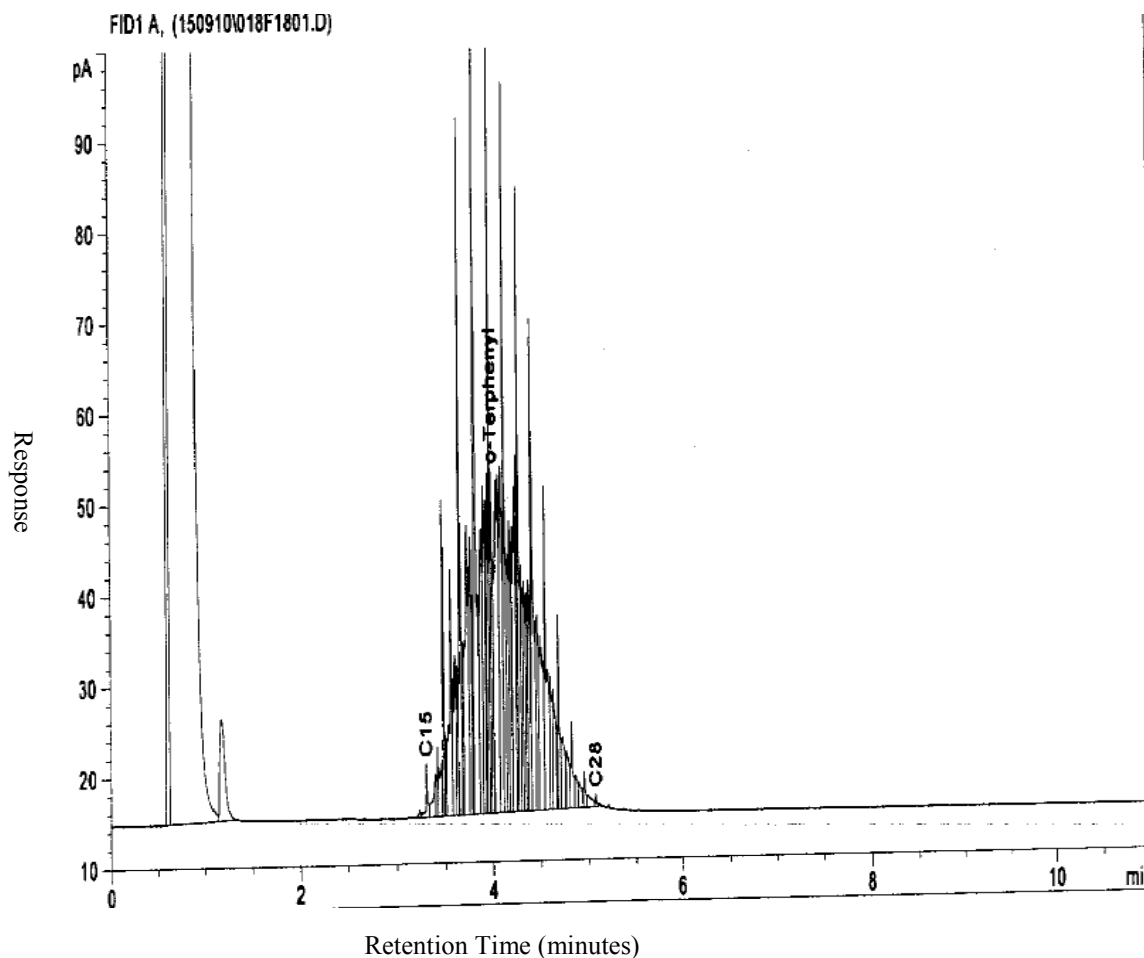
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## 75% WEATHERED DIESEL



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The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

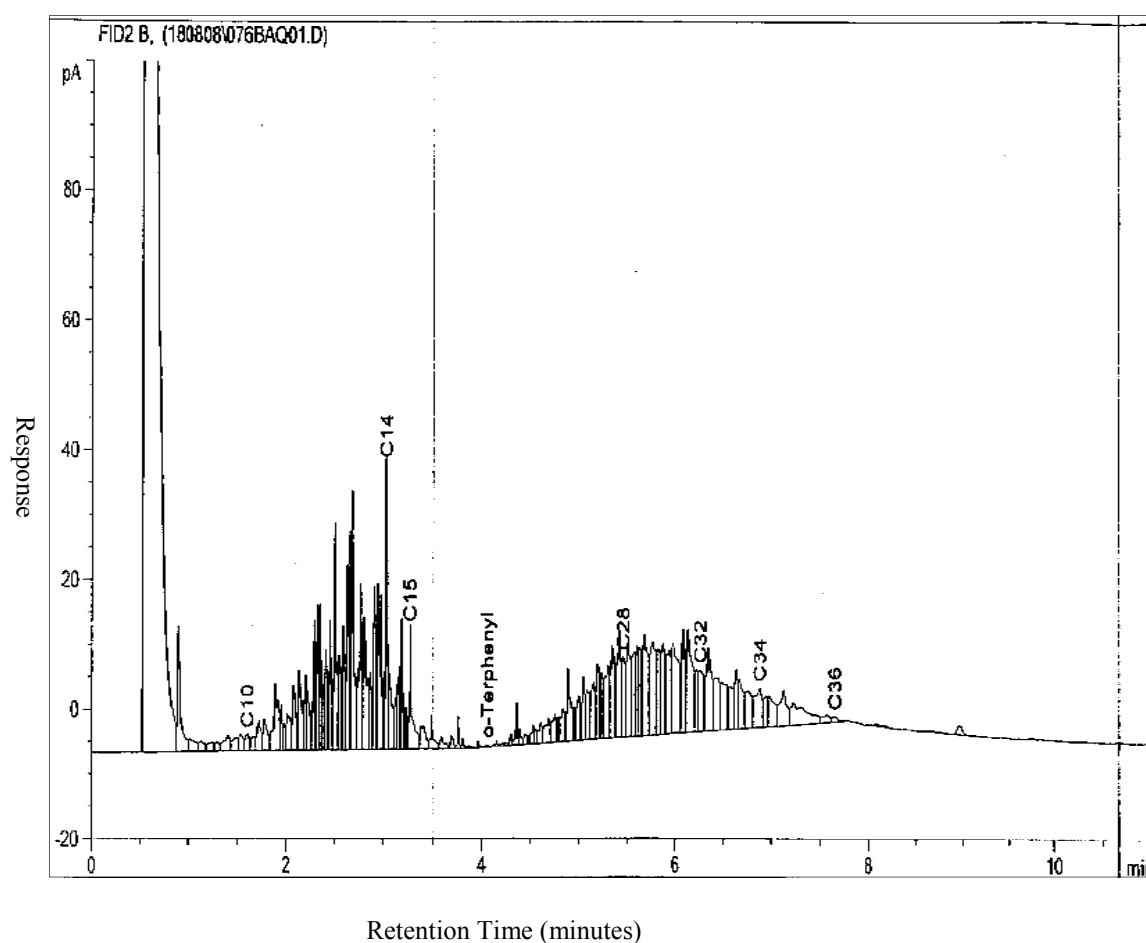
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## SYNTHETIC 2 STROKE FUEL



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

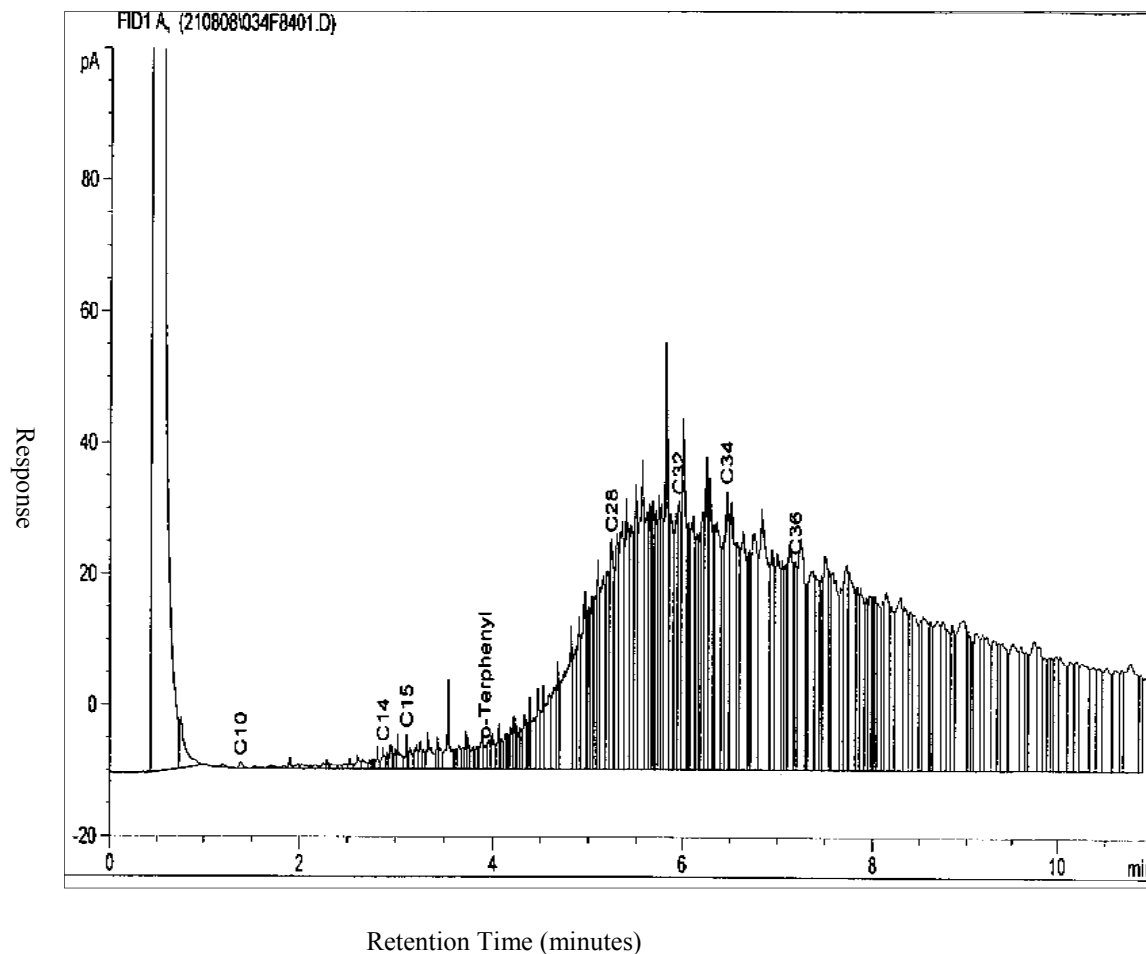
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## ASPHALT (no coal tar)



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

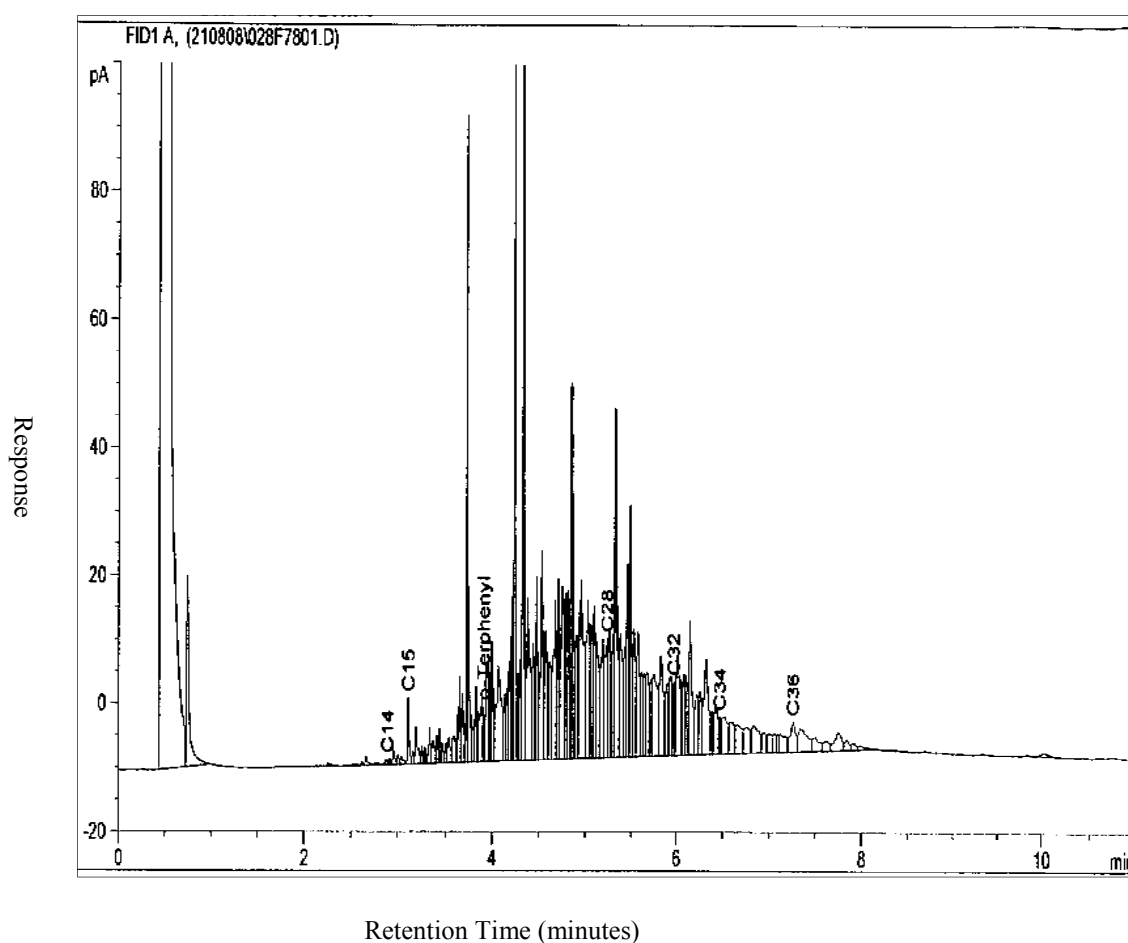
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## ASPHALT (with coal tar)



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

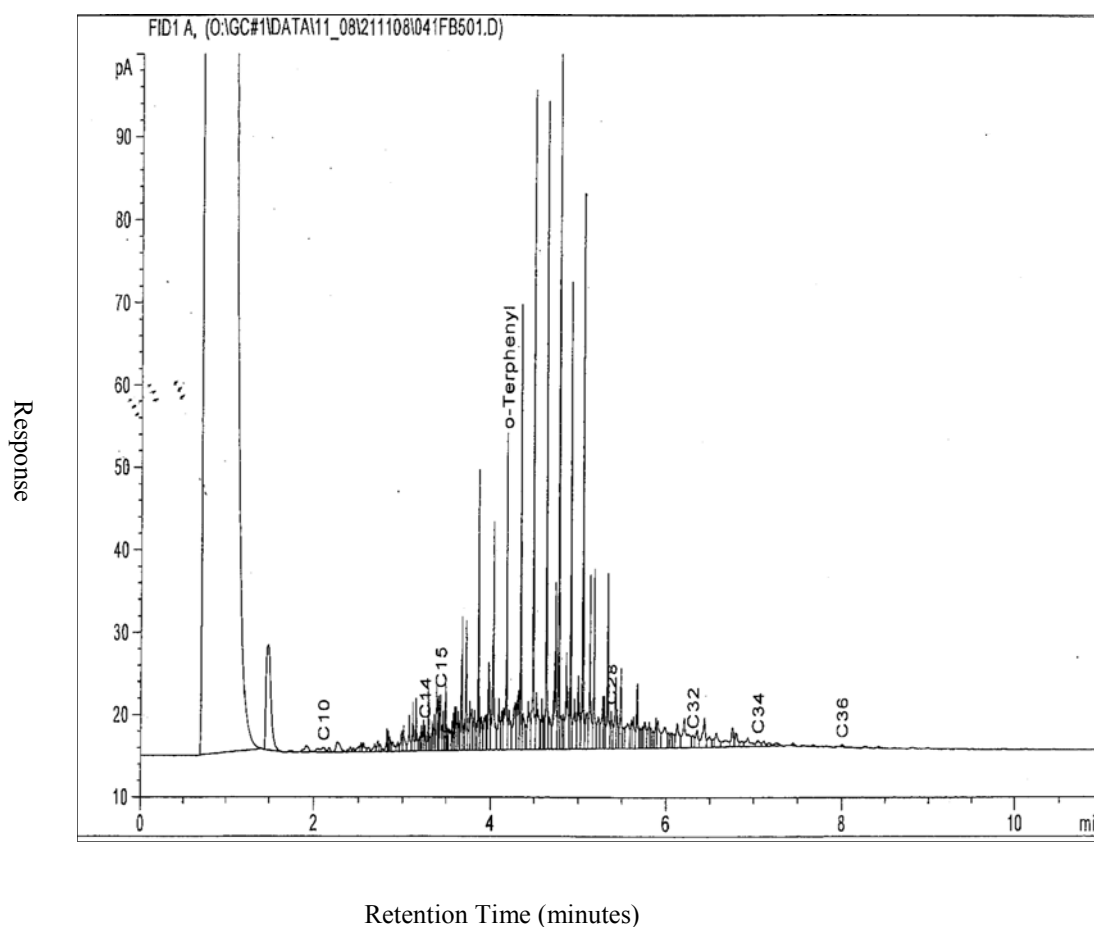
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## COAL



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

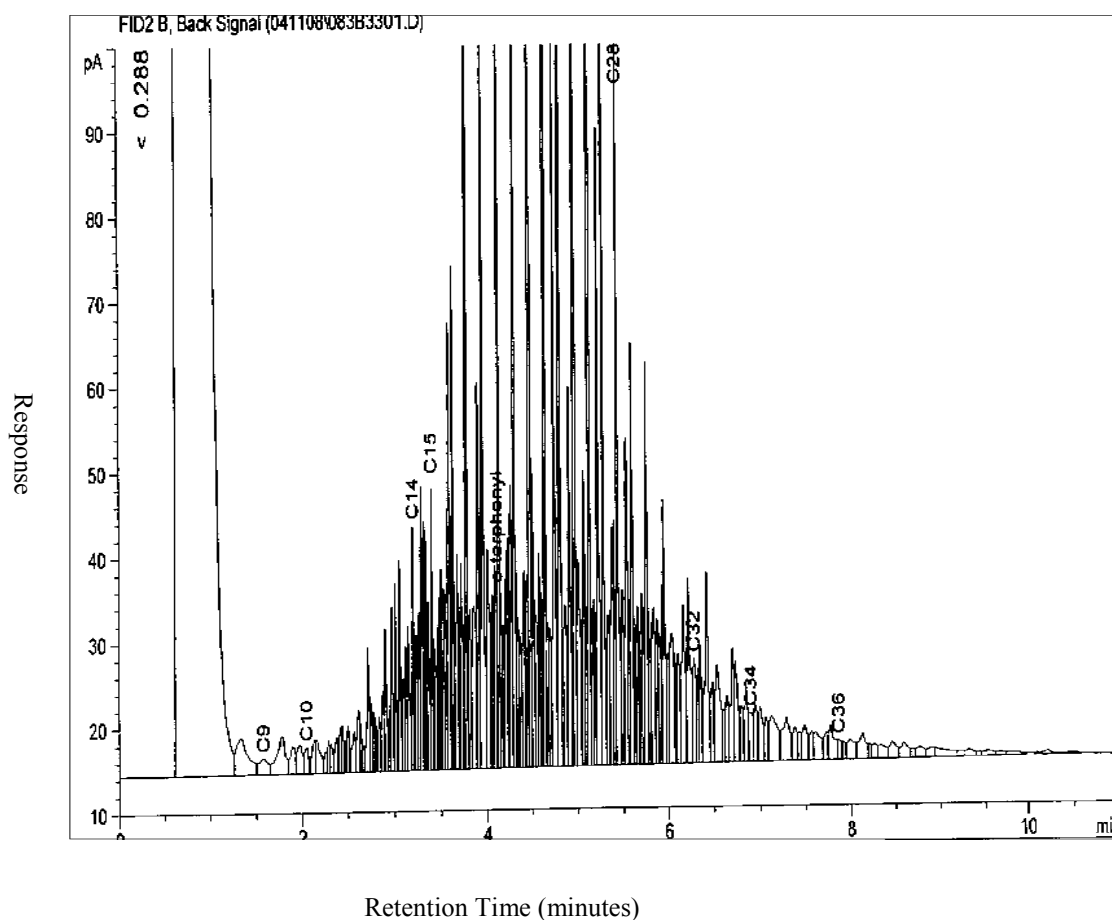
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## WEATHERED COAL



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

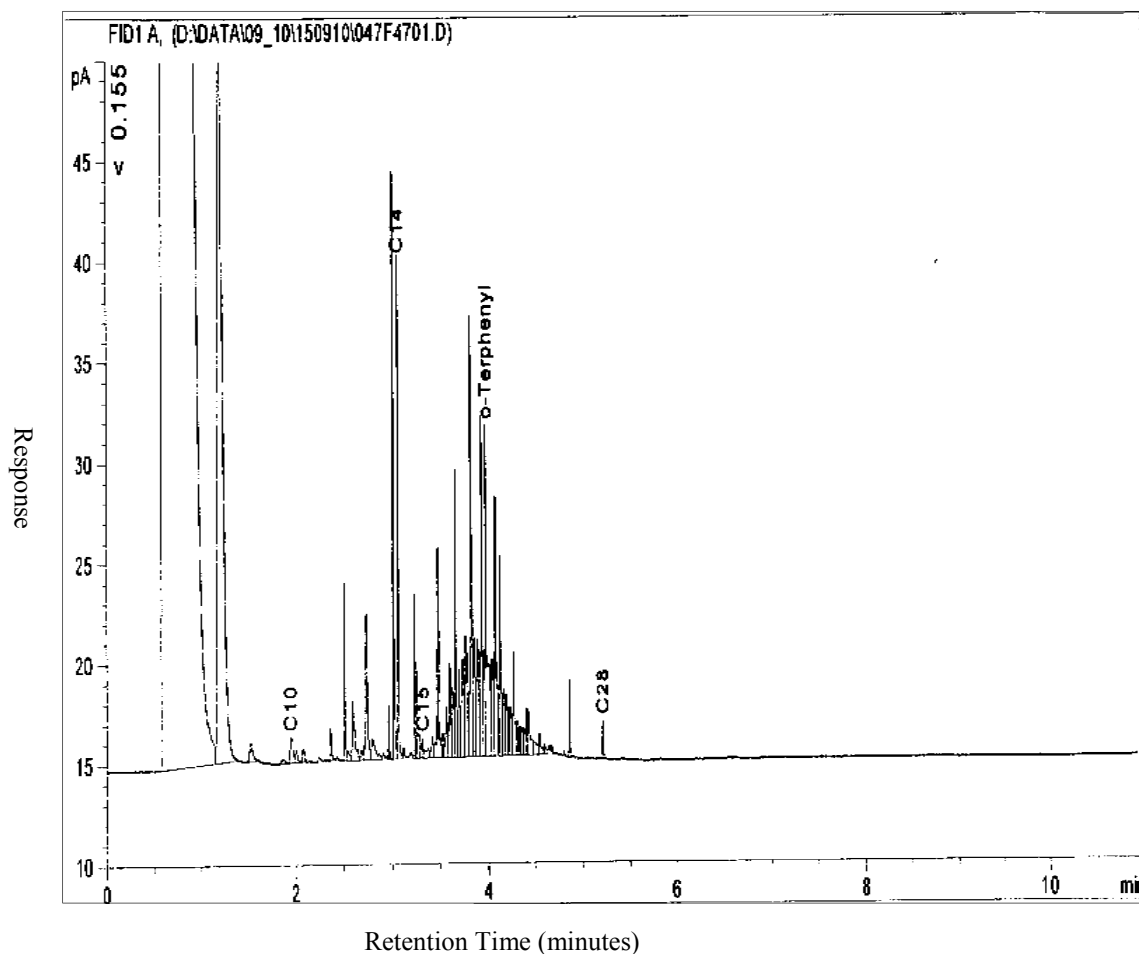
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## COAL SHALE



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

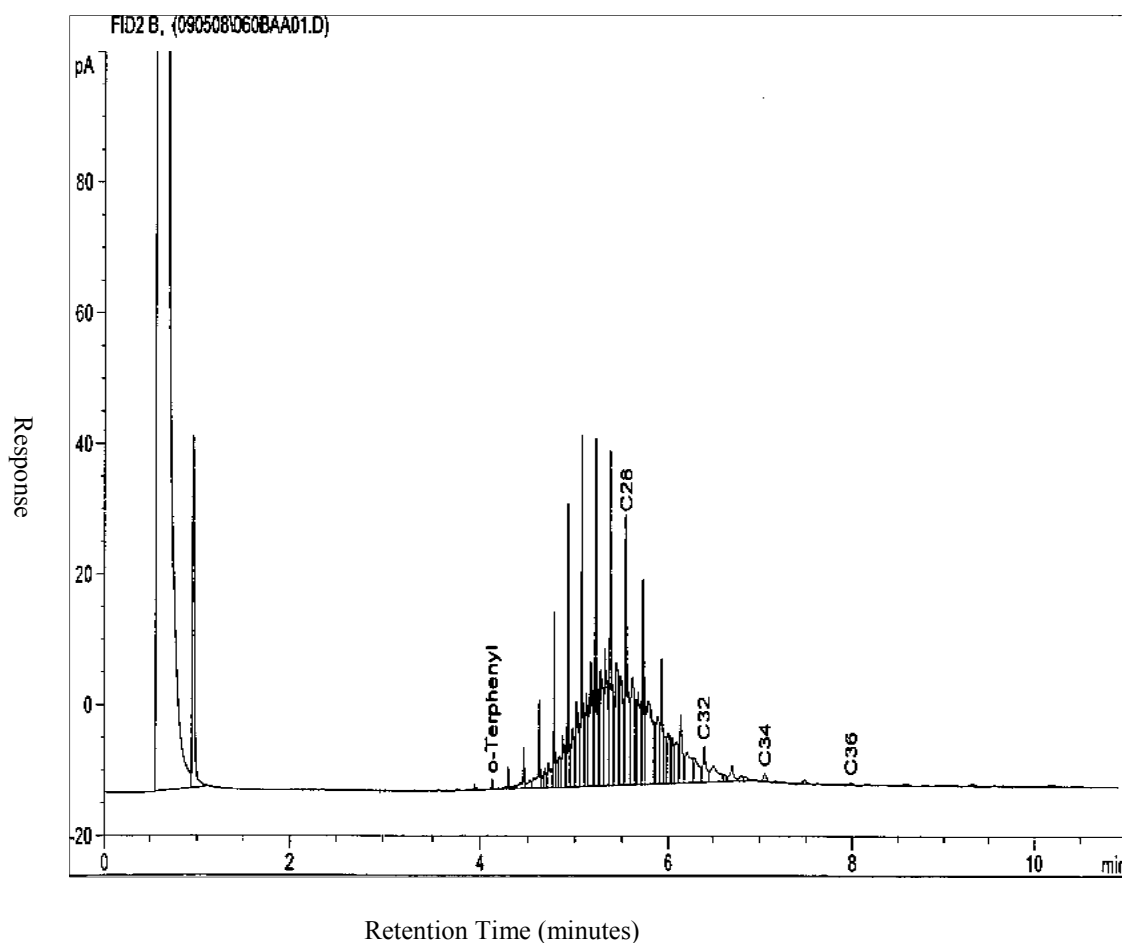
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## WHITE PETROLEUM JELLY (VASELINE)



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

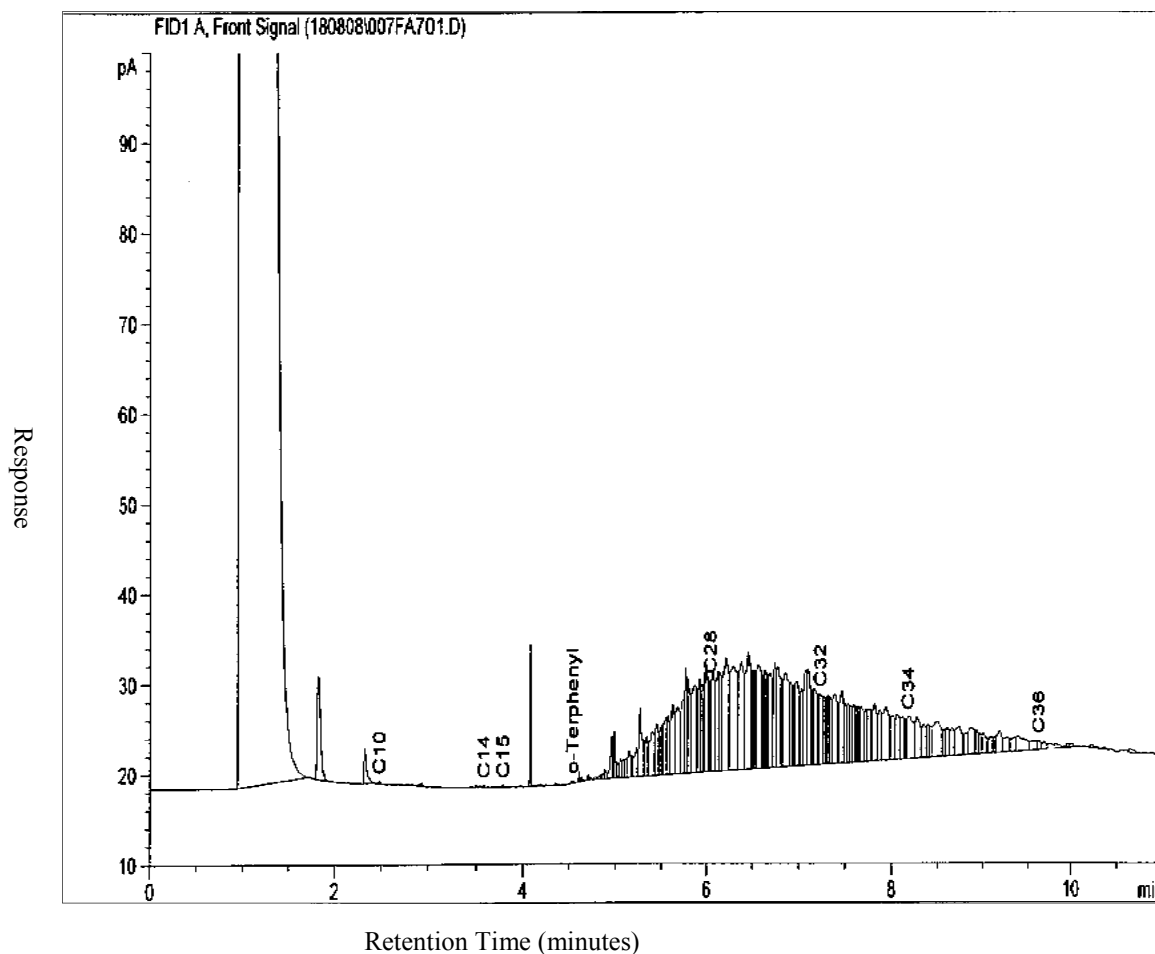
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## GREASE



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

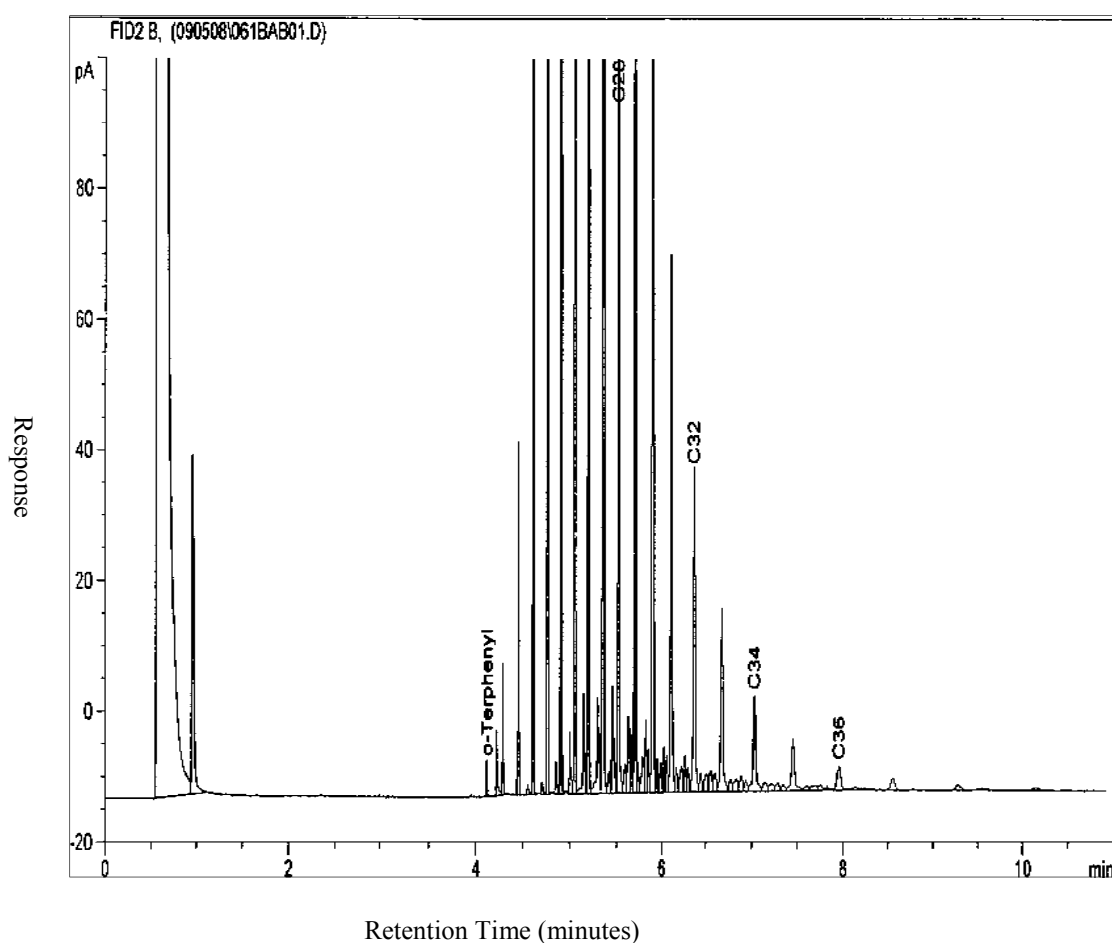
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## CANDLE WAX



The Envirolab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

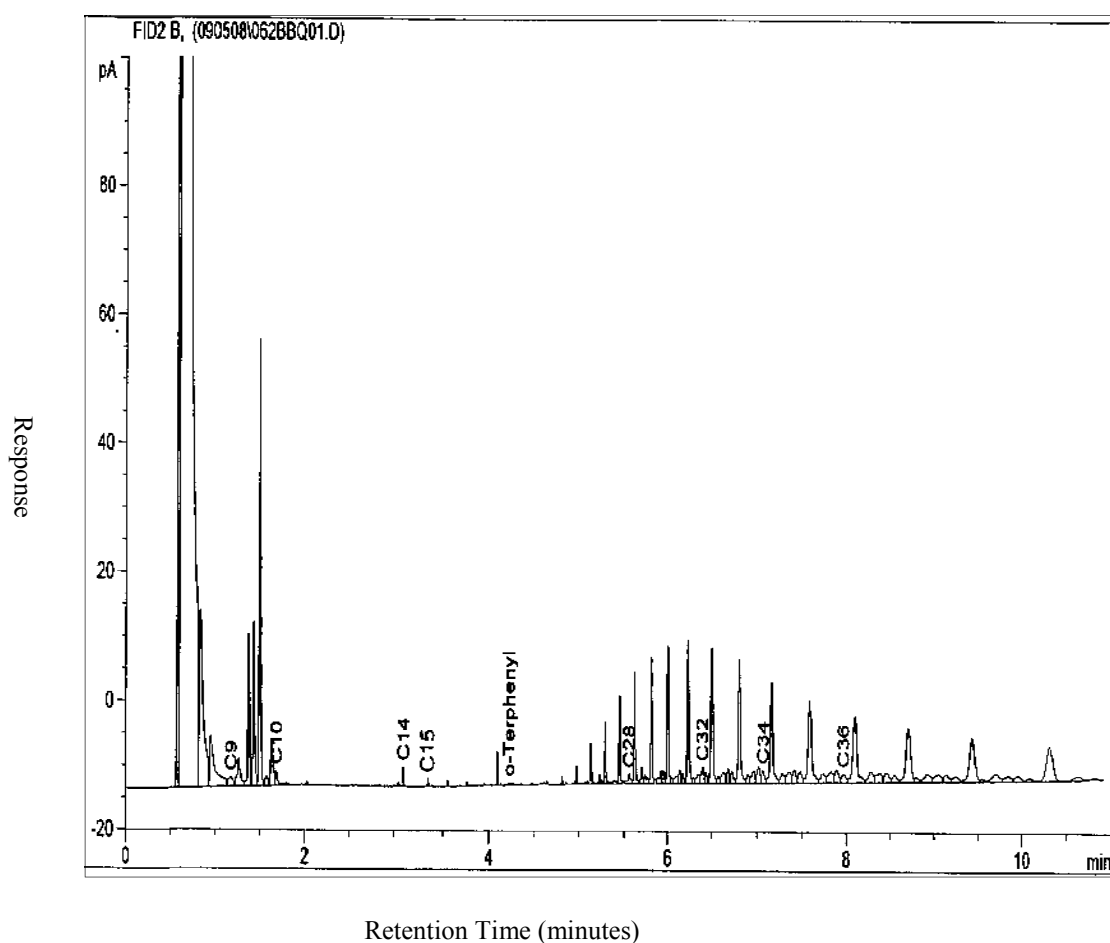
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## PARAFFIN WAX



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

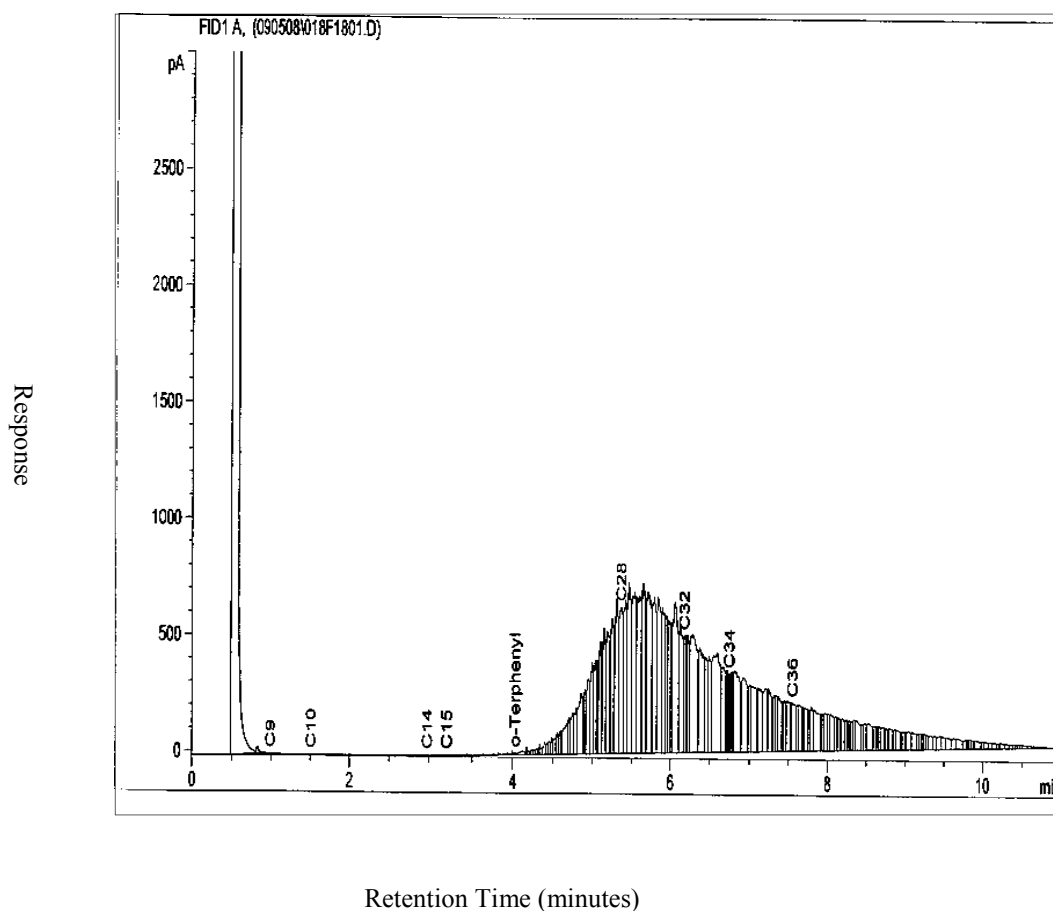
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## ENGINE OIL



The EnviroLab reference chromatogram library was compiled using compounds found in petroleum products, standards, natural products and readily available commercial products.

The components with the lowest boiling points tend to volatilize more rapidly than the components with higher boiling points. On the reference chromatograms, the components that have the shortest retention times (left side of the GC trace) are the most volatile and will tend to decrease in peak intensity preferentially as more volatilization takes place.

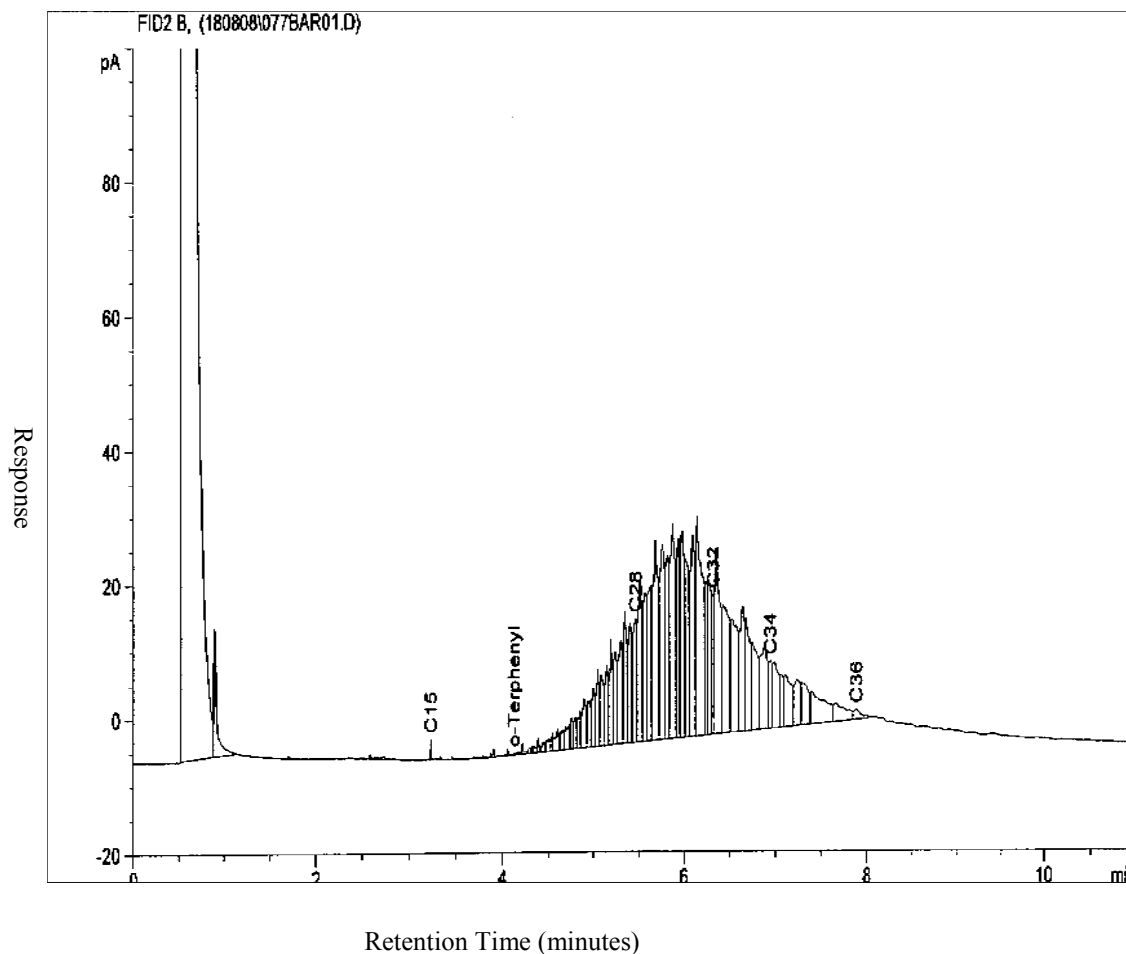
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## OUTBOARD GEAR OIL



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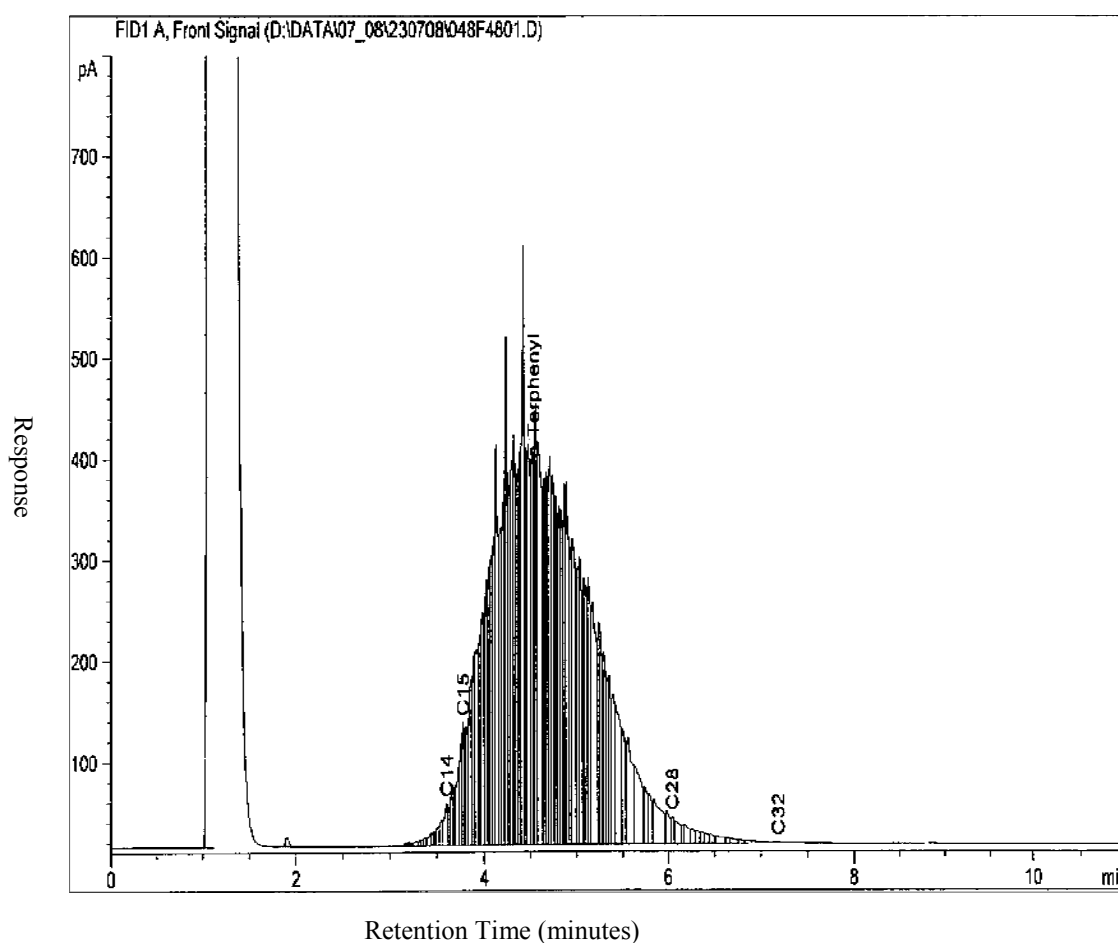
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

The o-Terphenyl peak is the TPH surrogate used in our extraction.

# HYDROCARBON REFERENCE LIBRARY



## TRANSFORMER OIL



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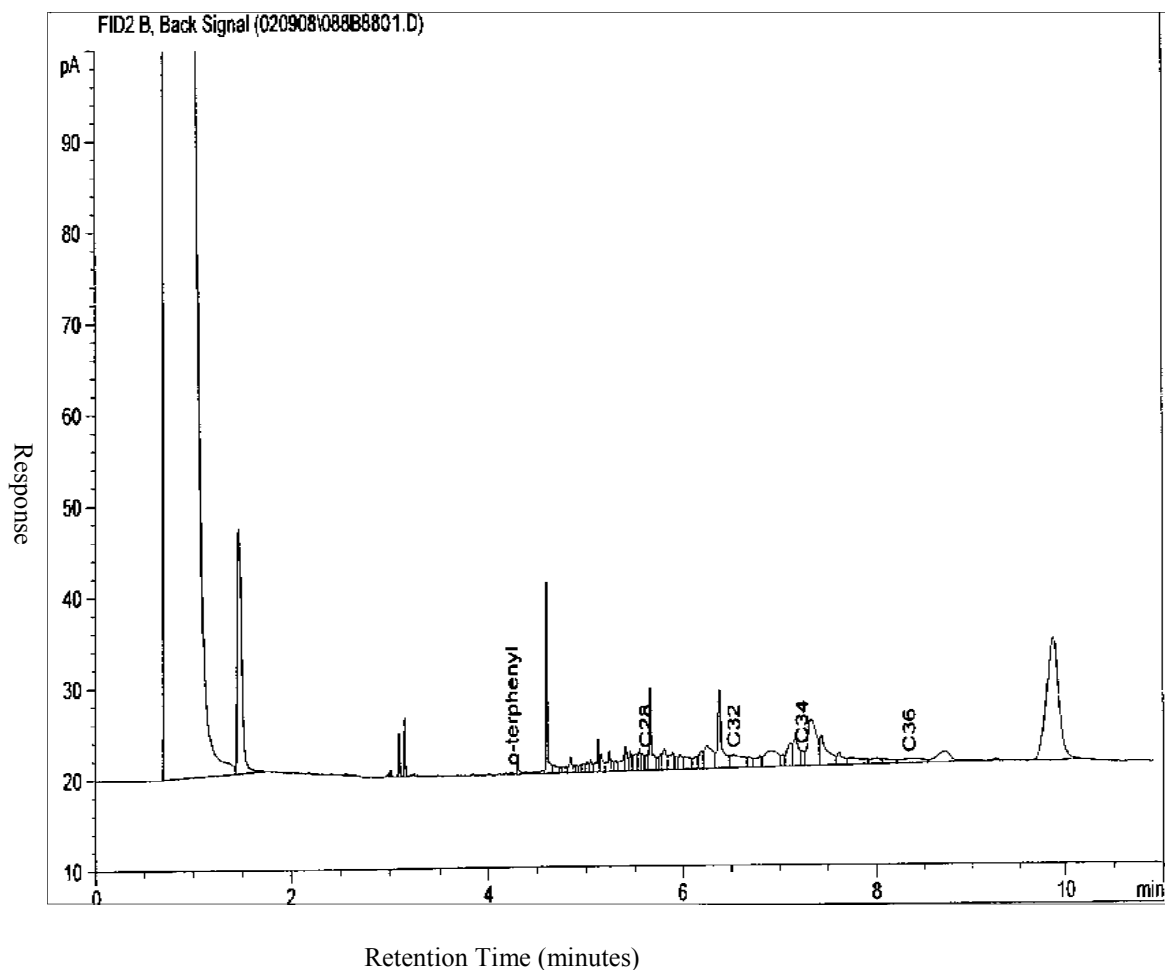
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# HYDROCARBON REFERENCE LIBRARY



## CAMELLIA OIL



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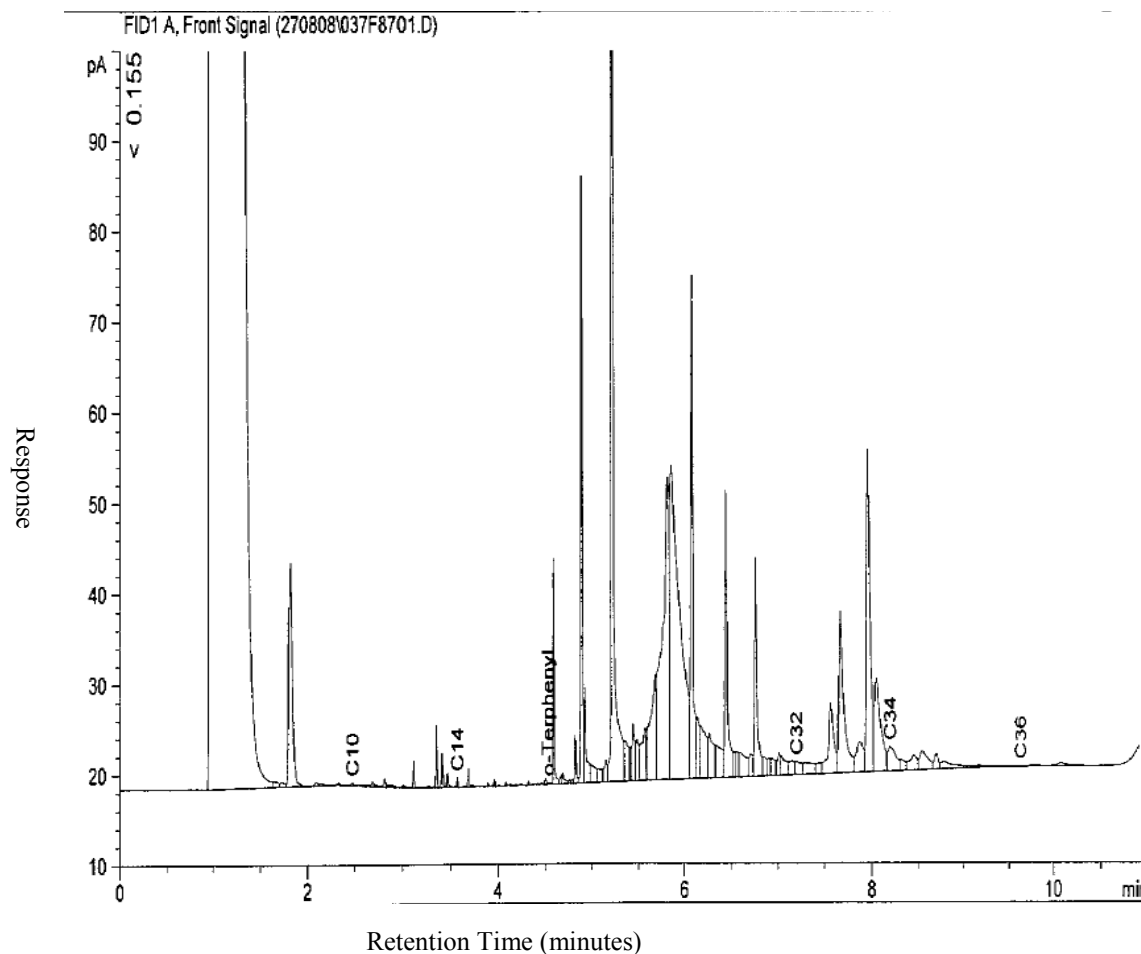
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# HYDROCARBON REFERENCE LIBRARY



## CASTOR OIL



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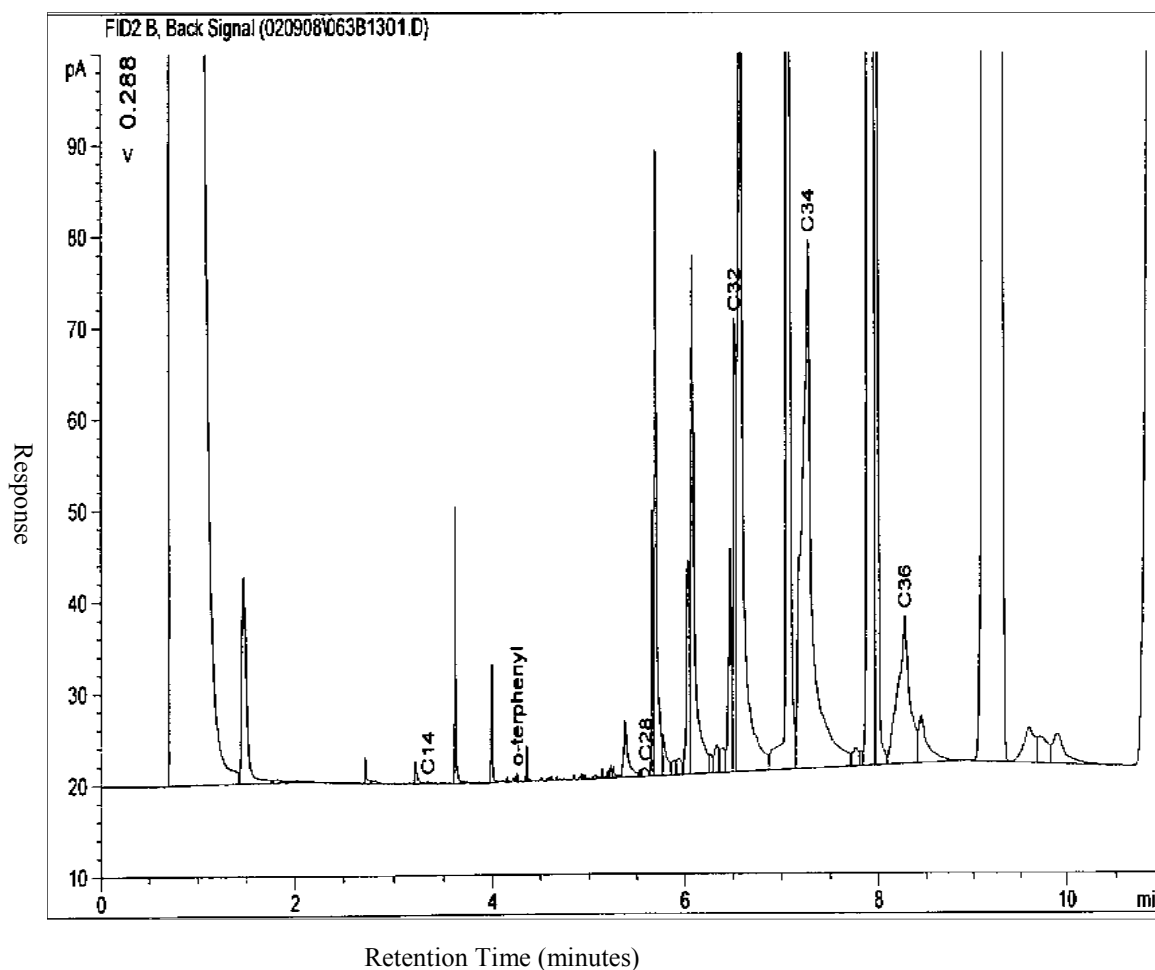
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# HYDROCARBON REFERENCE LIBRARY



## COCONUT OIL



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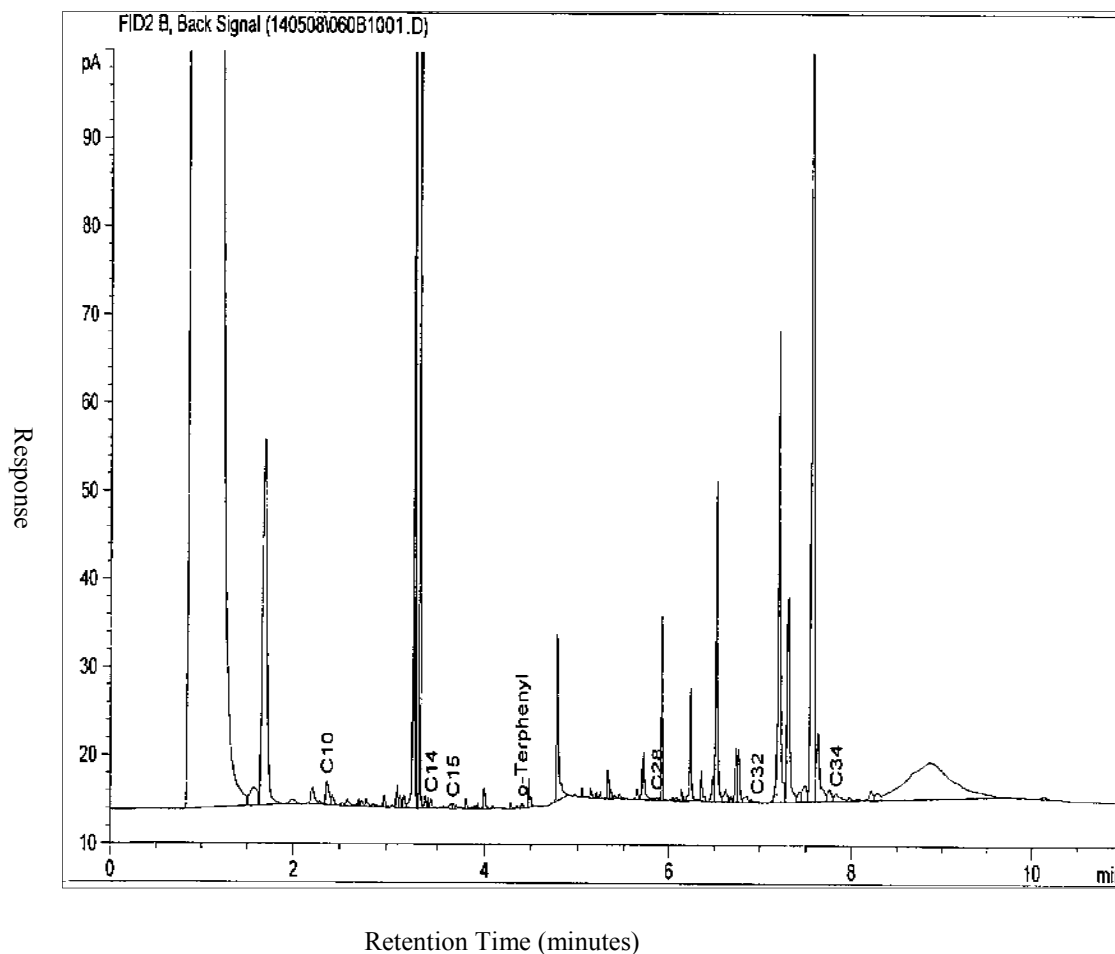
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# HYDROCARBON REFERENCE LIBRARY



## CORN OIL



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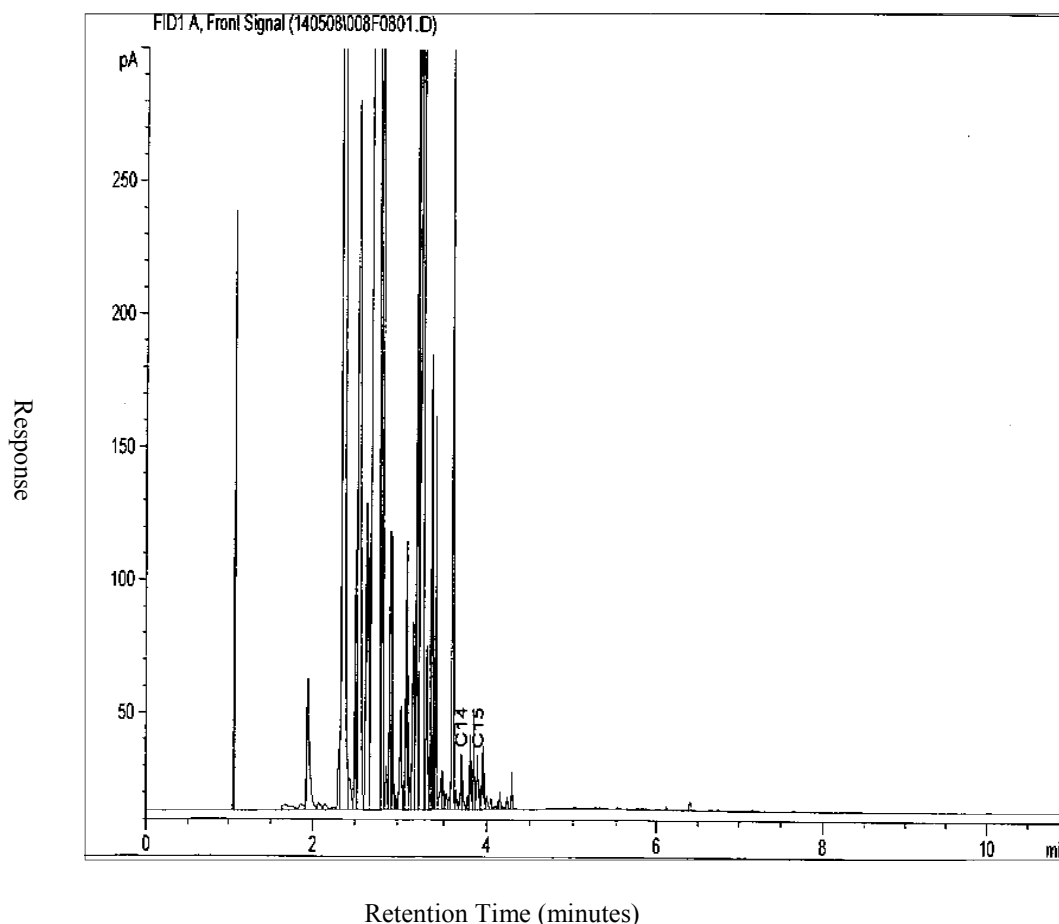
These reference chromatograms can be used as a guide for comparison with unknown samples to help identify the contaminants.

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# HYDROCARBON REFERENCE LIBRARY



## EUCALYPTUS OIL



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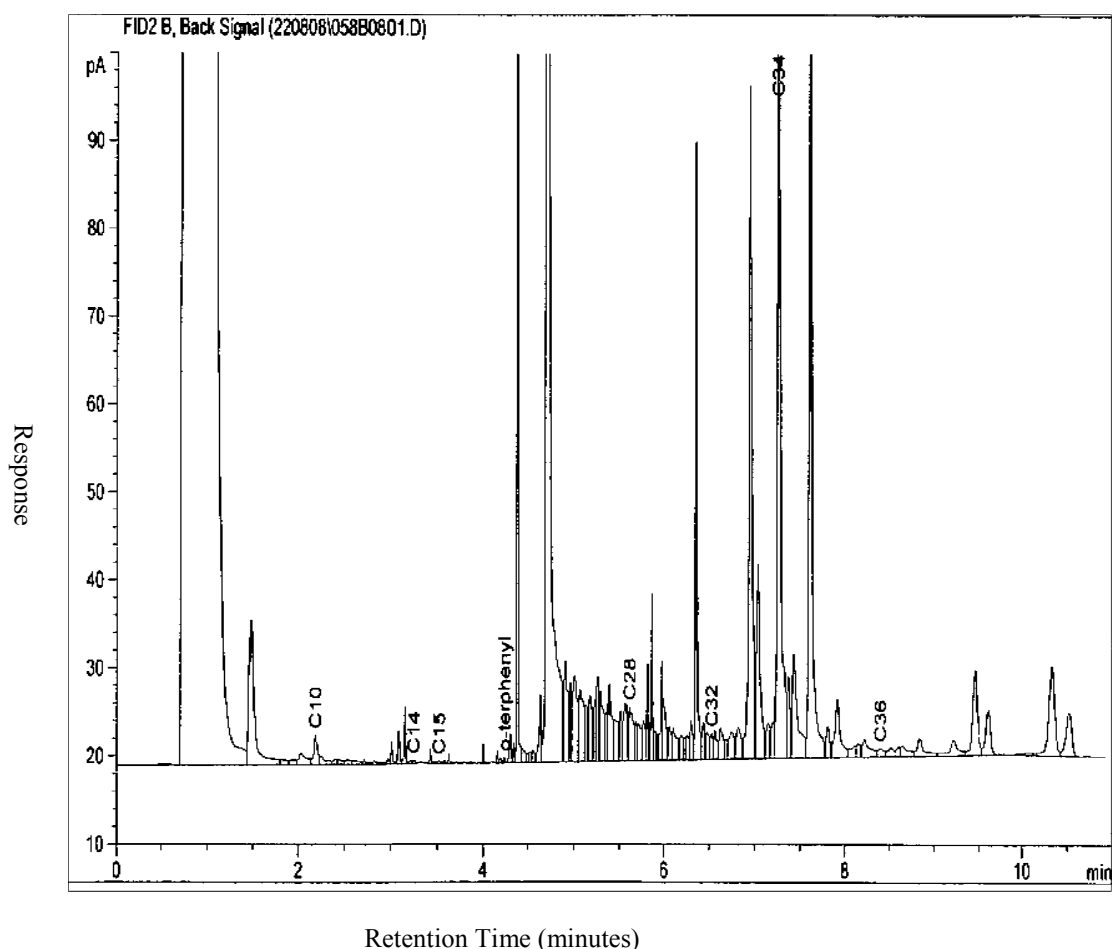
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# HYDROCARBON REFERENCE LIBRARY



## LINSEED OIL



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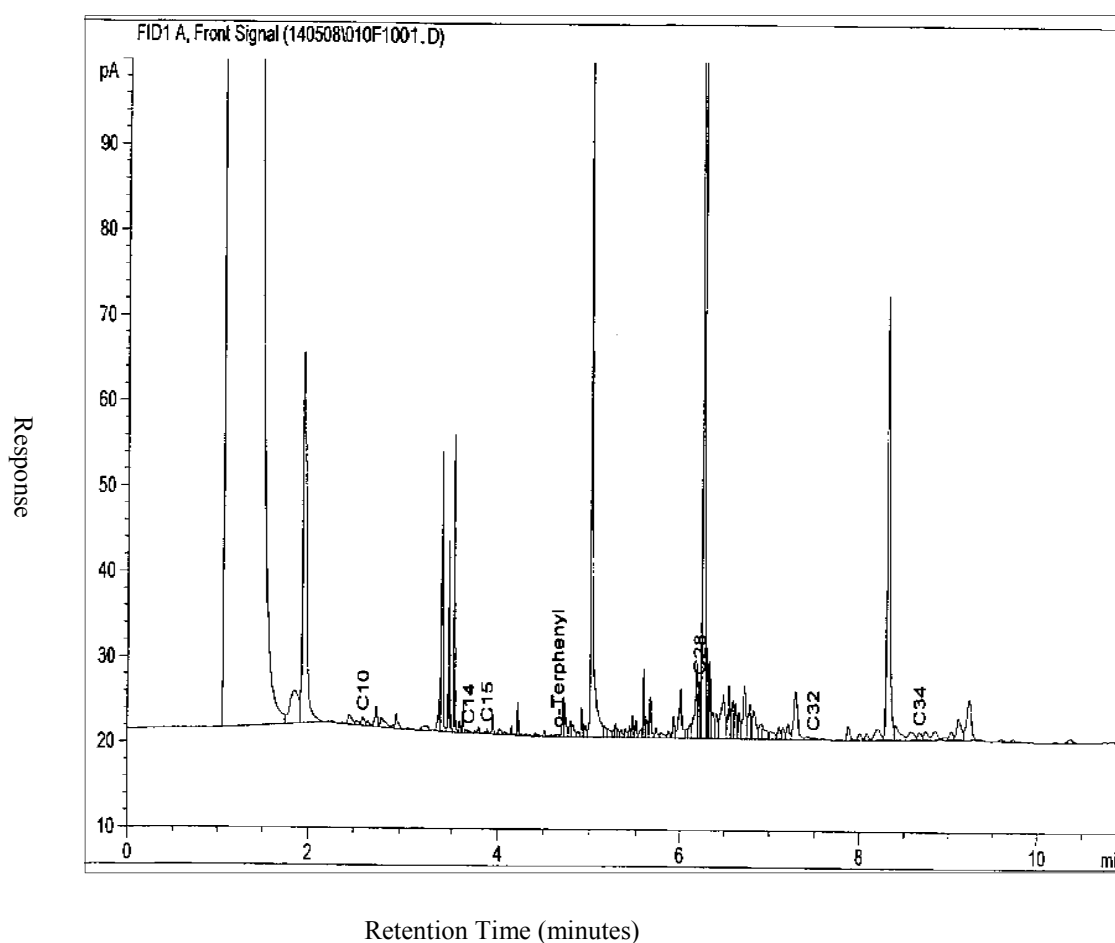
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# HYDROCARBON REFERENCE LIBRARY



## OLIVE OIL



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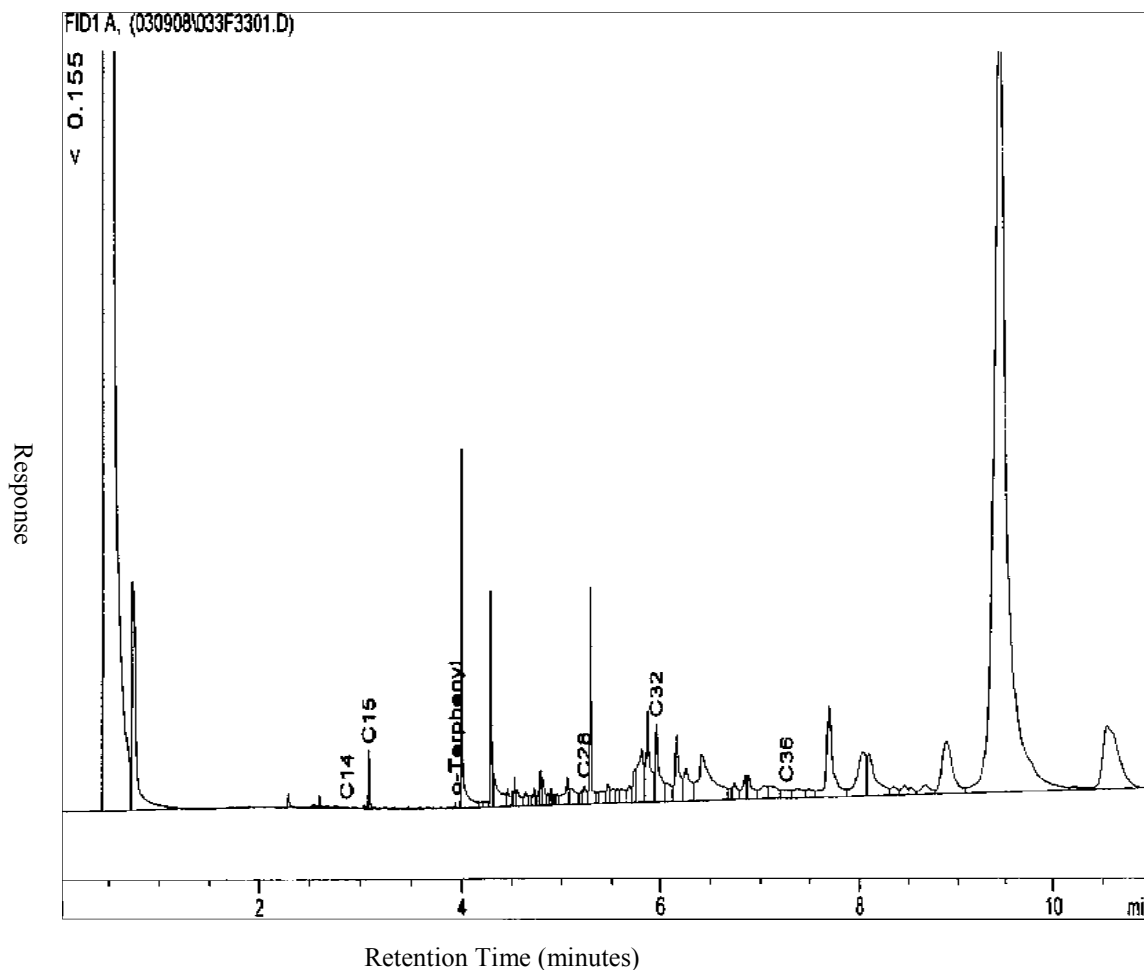
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# HYDROCARBON REFERENCE LIBRARY



## PALM OIL



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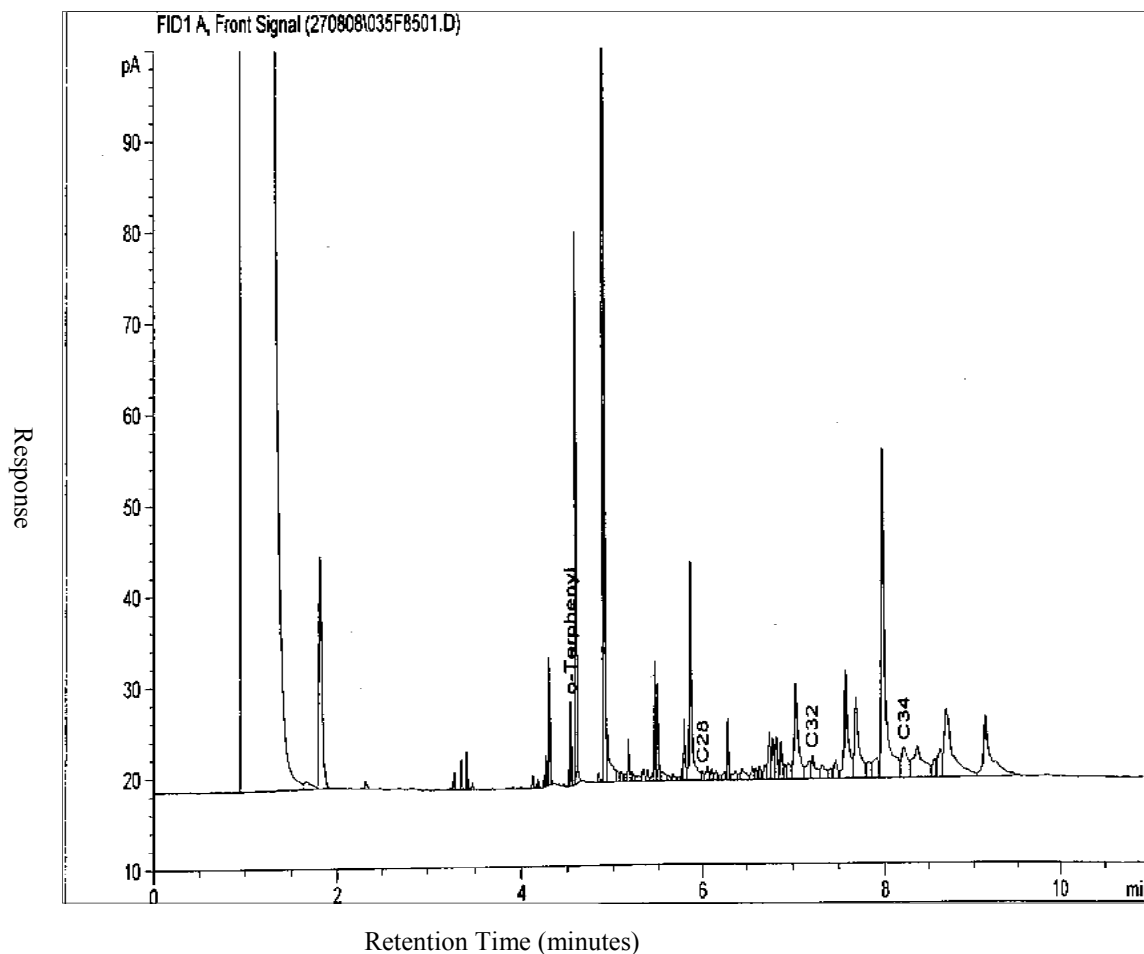
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# HYDROCARBON REFERENCE LIBRARY



## RICE BRAN OIL



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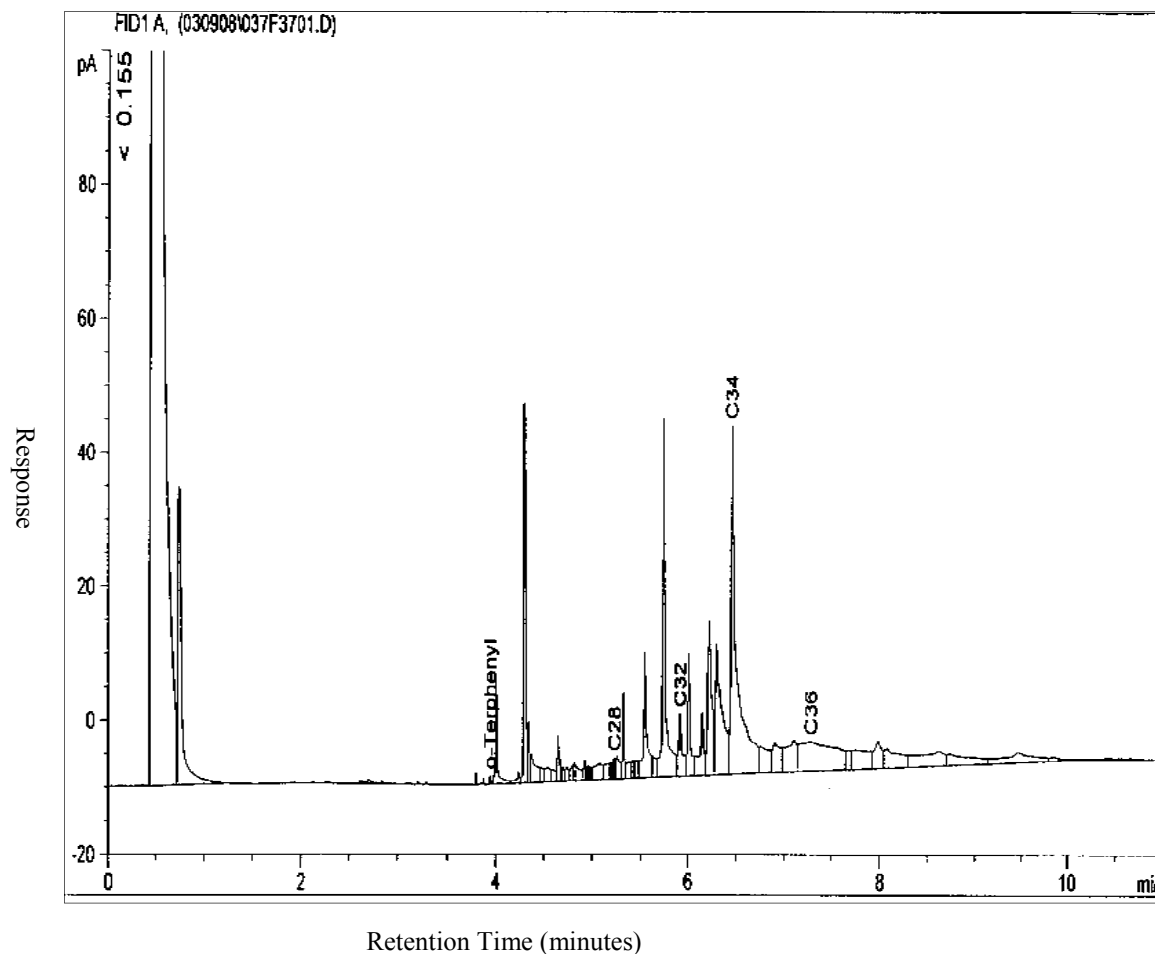
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# HYDROCARBON REFERENCE LIBRARY



## SESAME OIL



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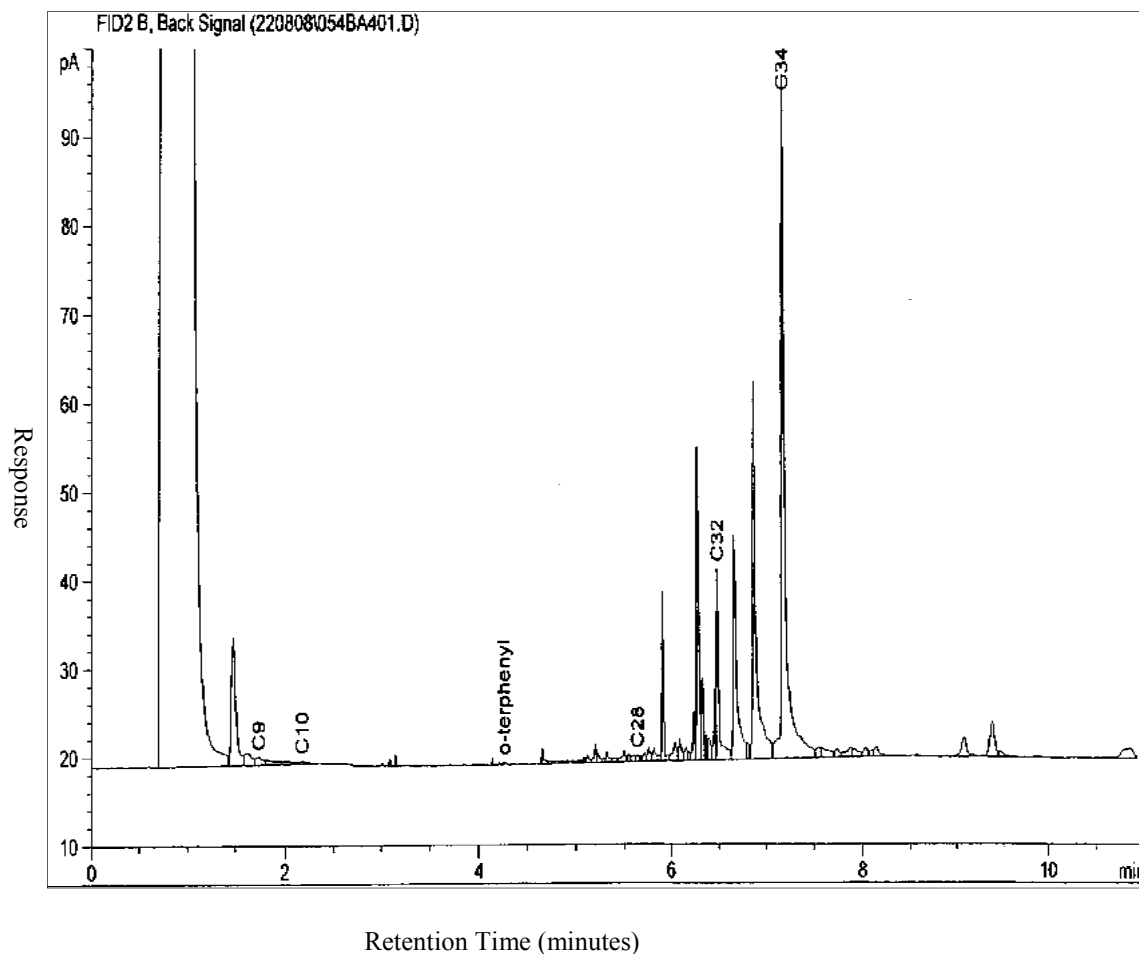
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# HYDROCARBON REFERENCE LIBRARY



## SOYA BEAN OIL



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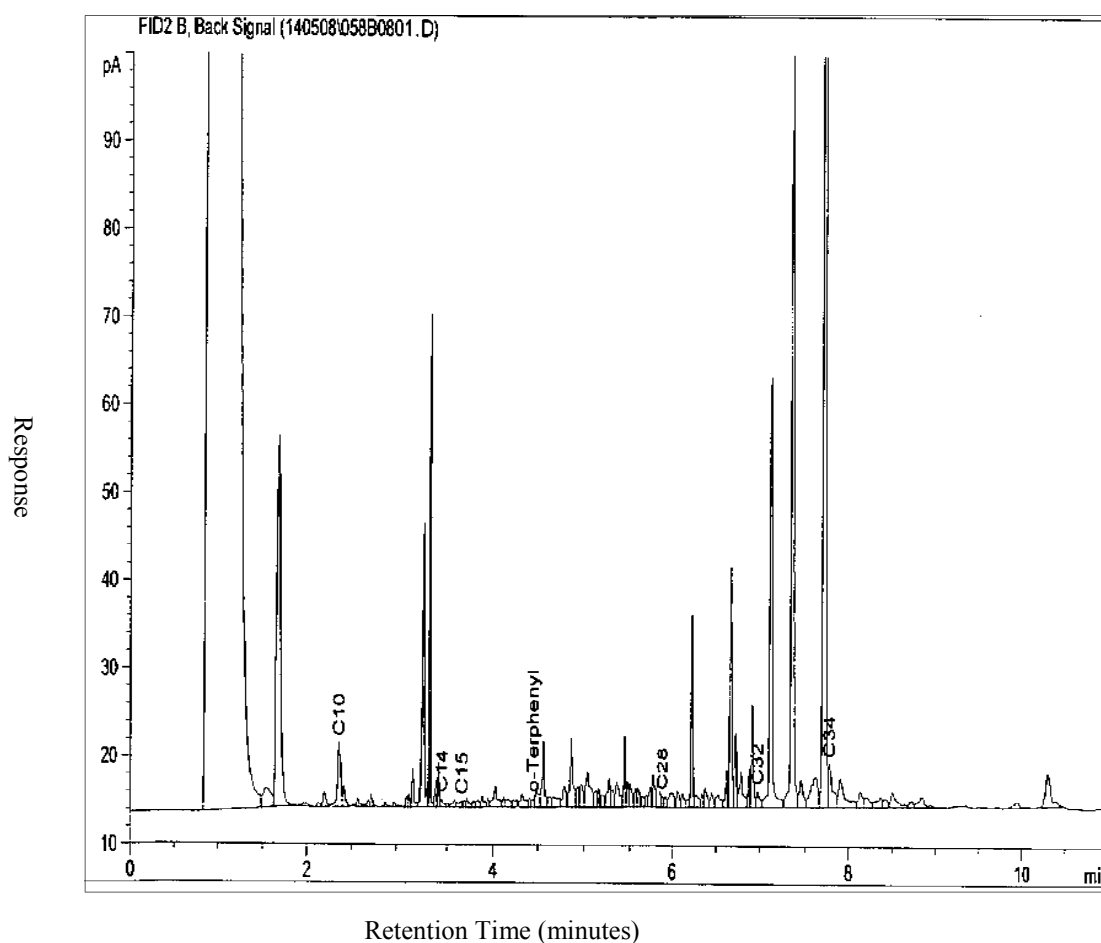
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# HYDROCARBON REFERENCE LIBRARY



## VEGETABLE OIL



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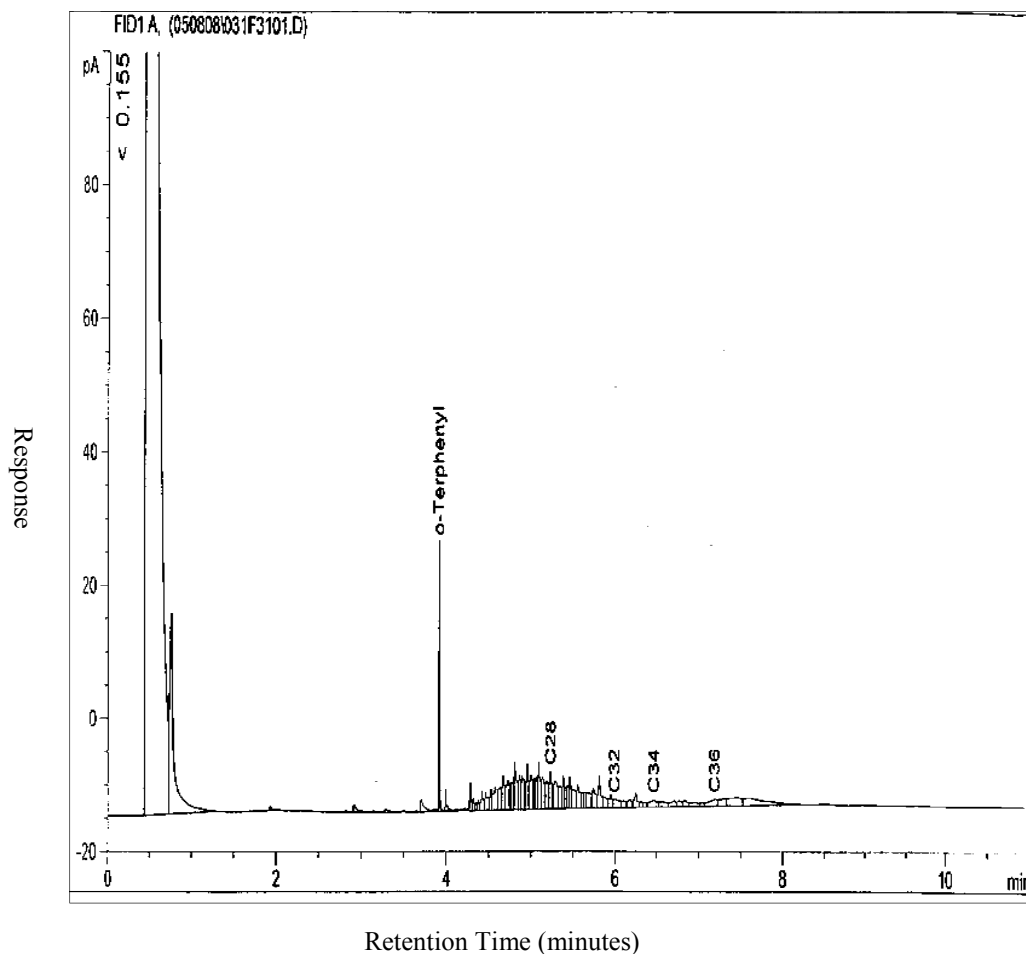
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# HYDROCARBON REFERENCE LIBRARY



## CARDBOARD



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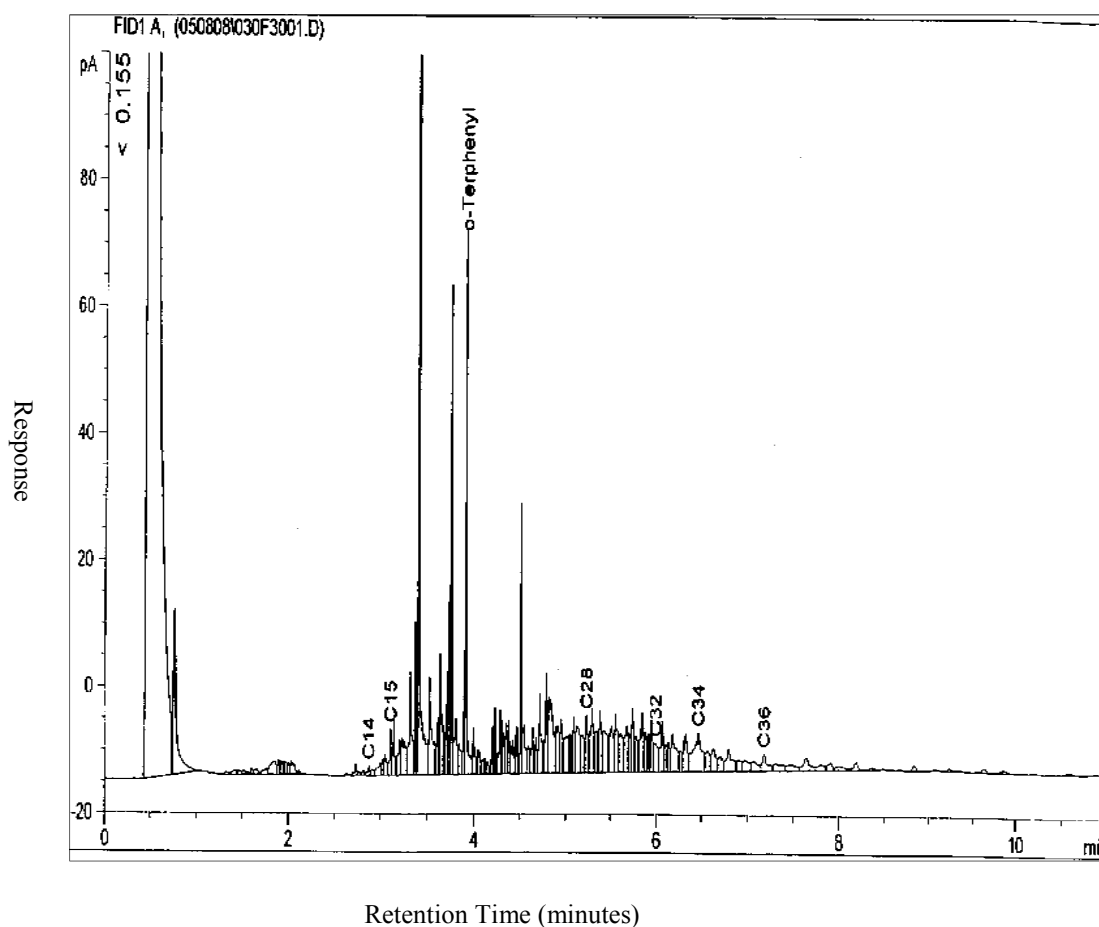
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# HYDROCARBON REFERENCE LIBRARY



## GLOSSY MAGAZINE PAPER



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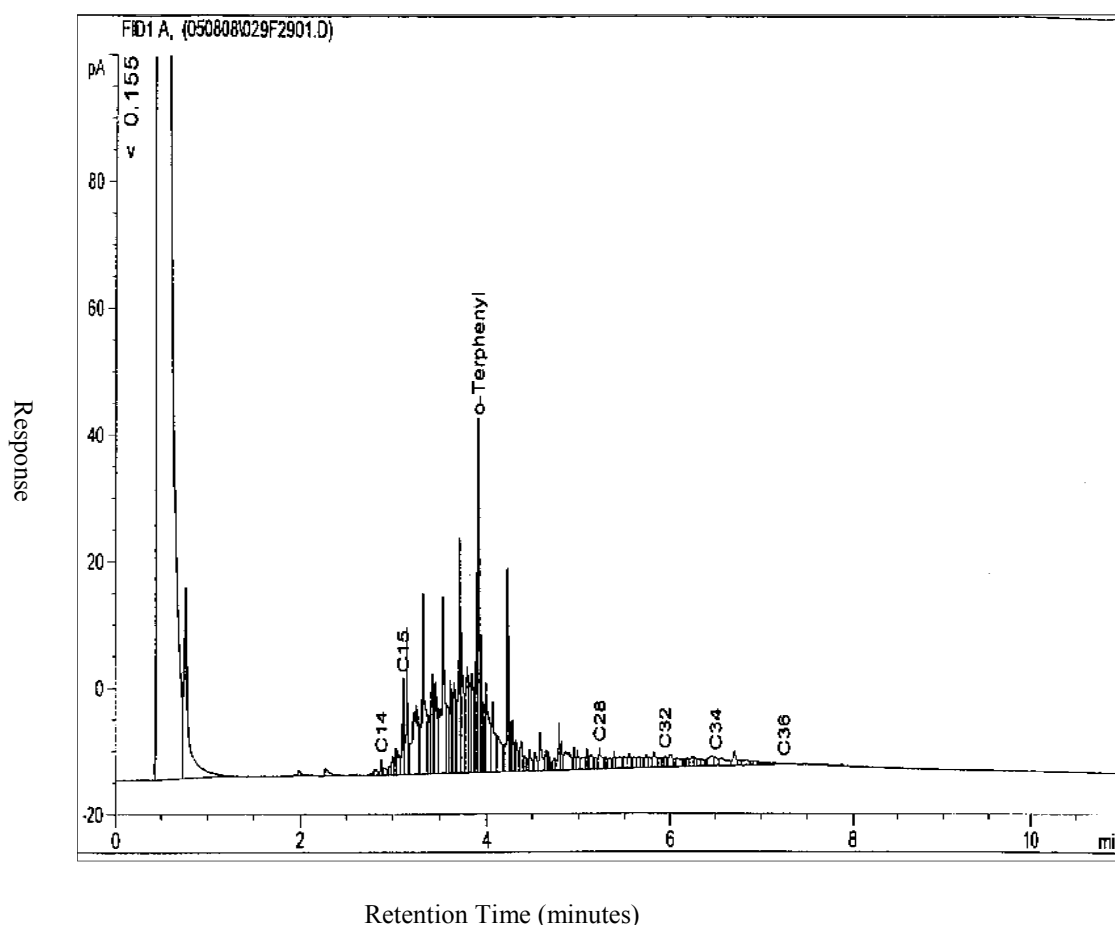
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# HYDROCARBON REFERENCE LIBRARY



## NEWSPAPER



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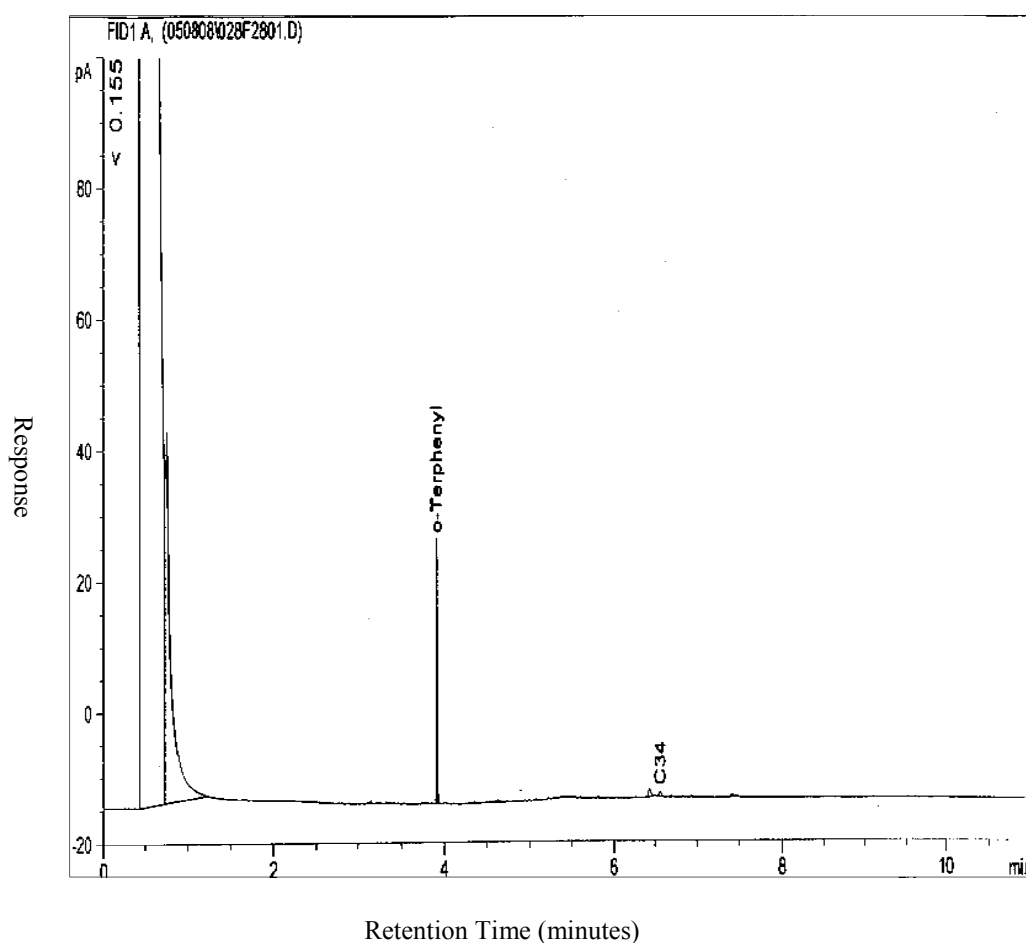
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# HYDROCARBON REFERENCE LIBRARY



## PRINTER/COPIER PAPER



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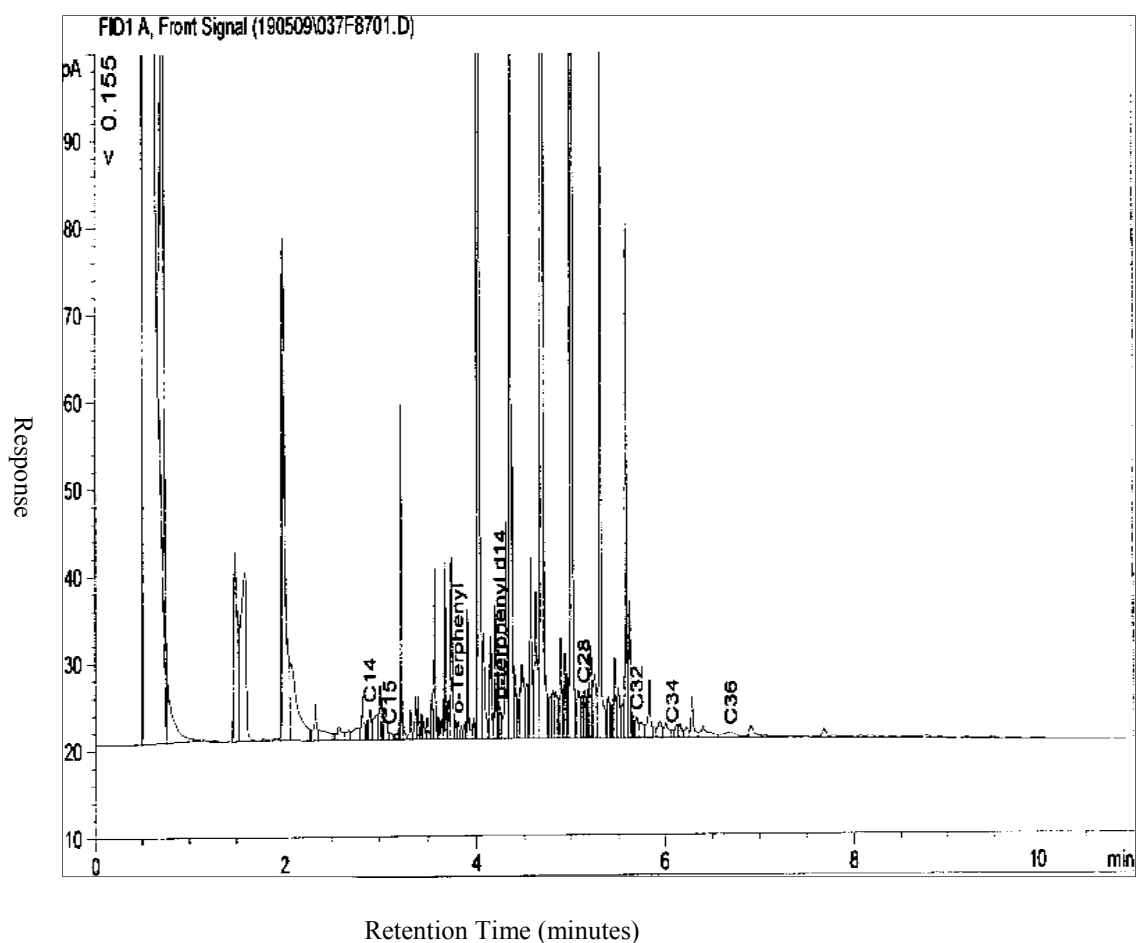
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# HYDROCARBON REFERENCE LIBRARY



## DILUTED DECONTAMINATION SOAP



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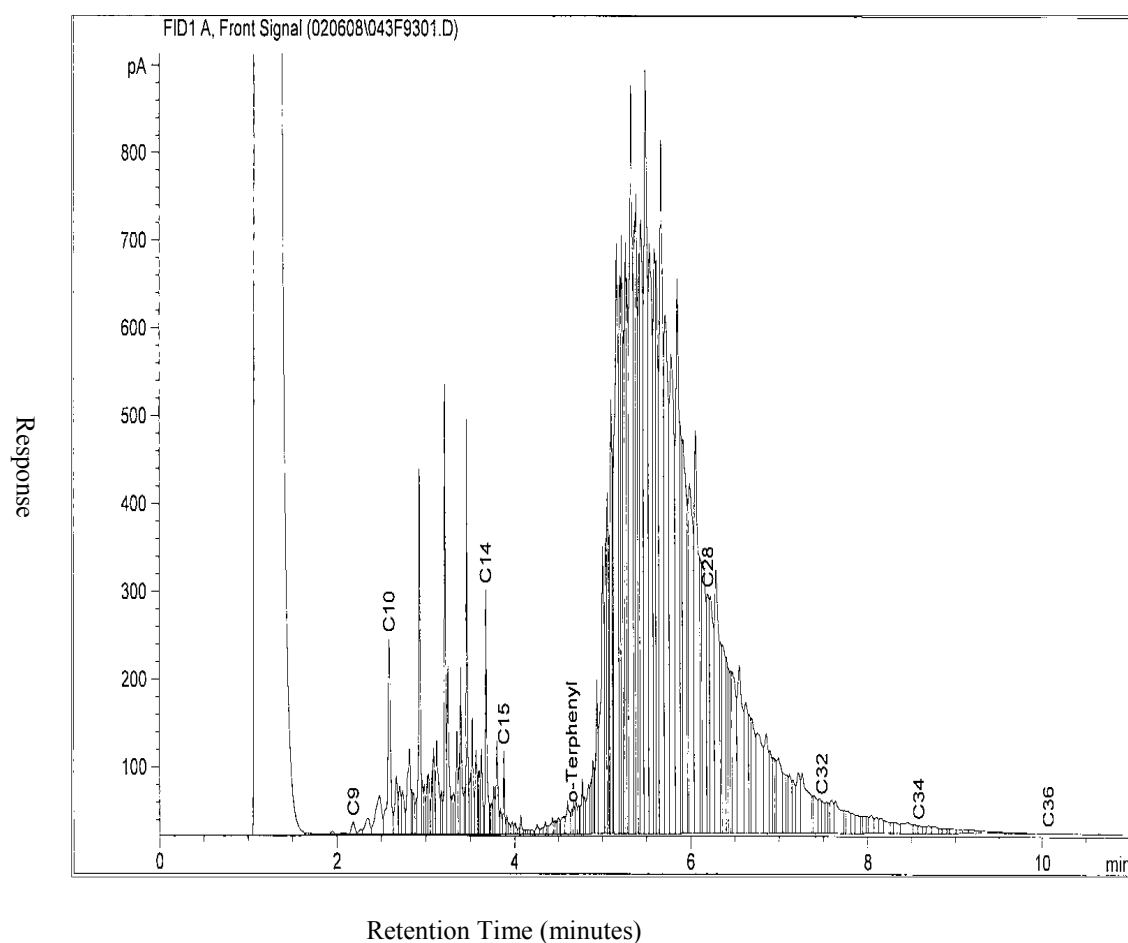
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# HYDROCARBON REFERENCE LIBRARY



## DEFOAMER



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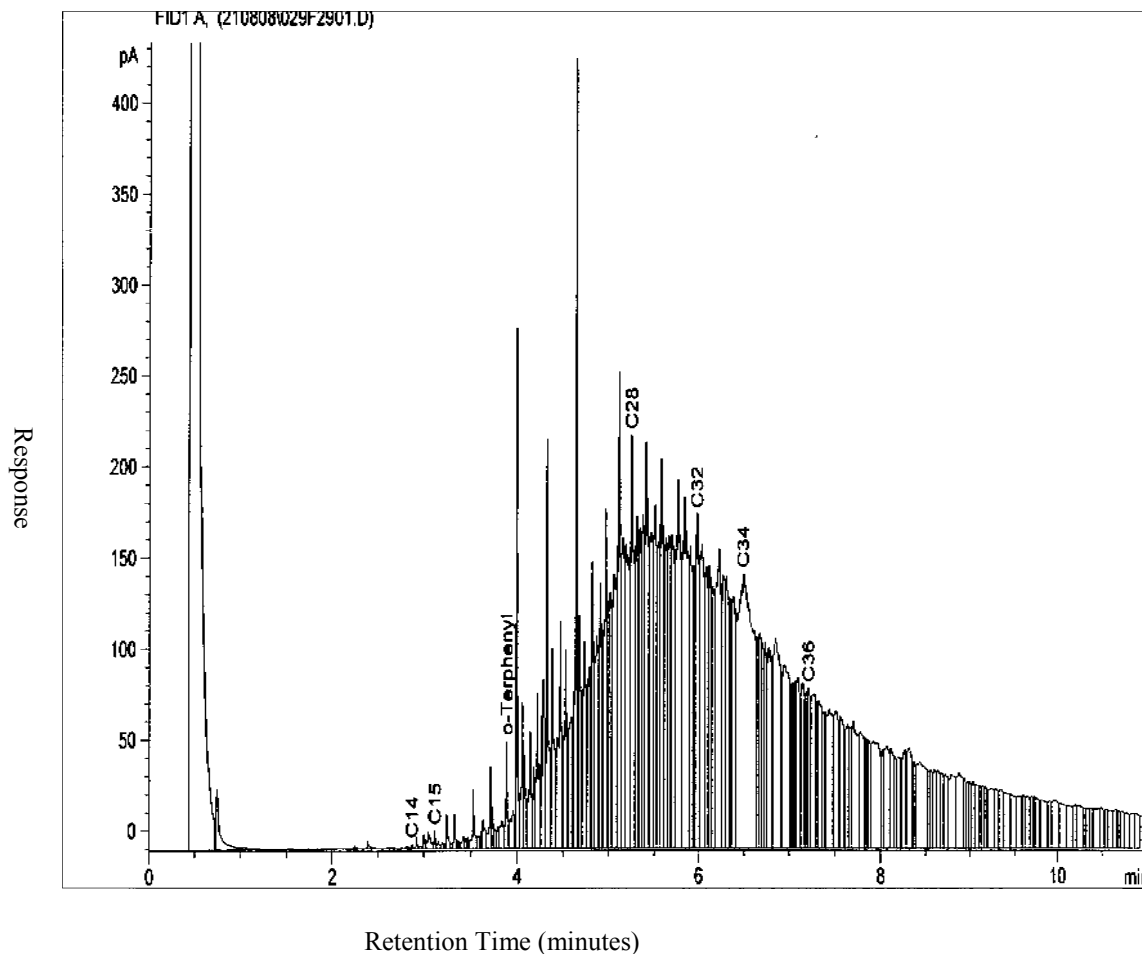
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# HYDROCARBON REFERENCE LIBRARY



## TYRE



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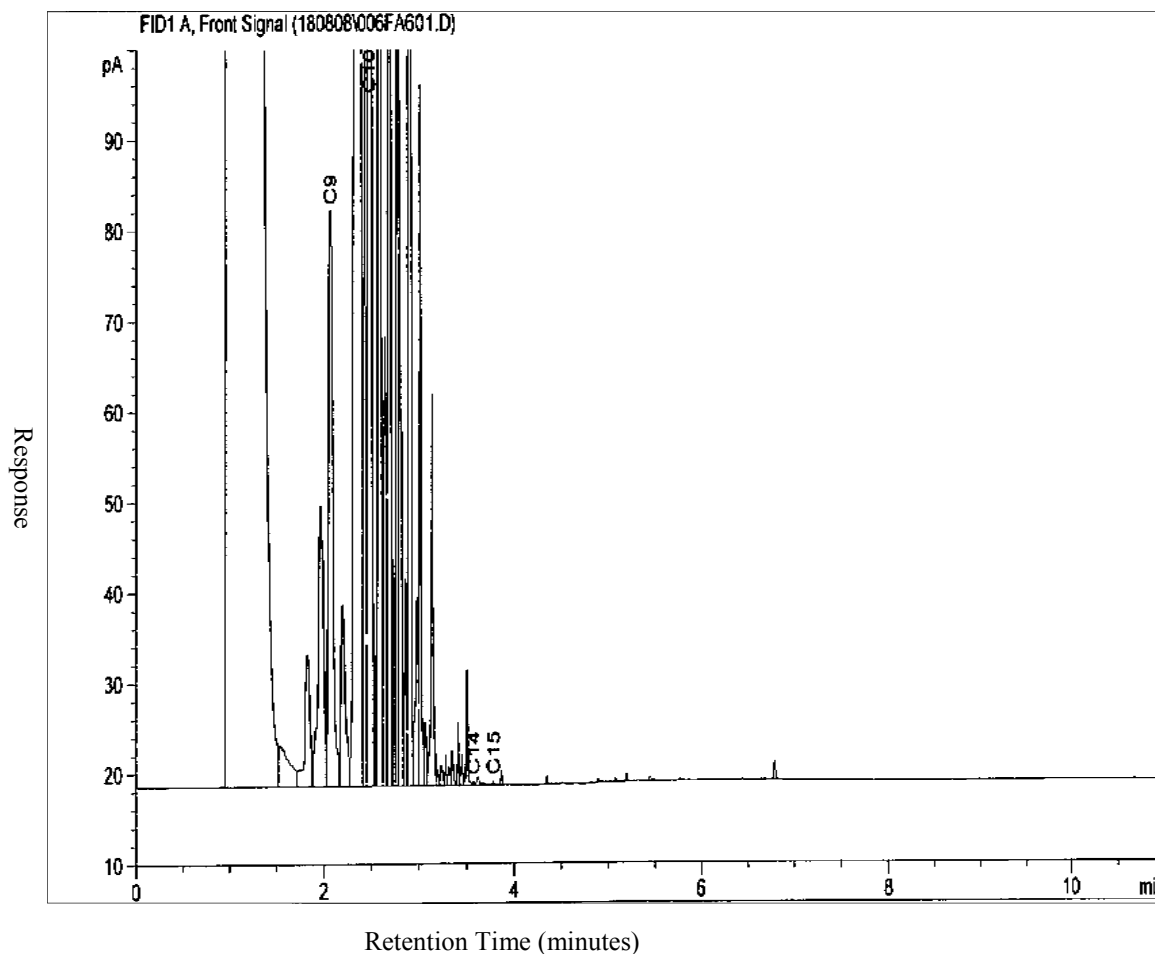
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# HYDROCARBON REFERENCE LIBRARY



## WOOD STAIN



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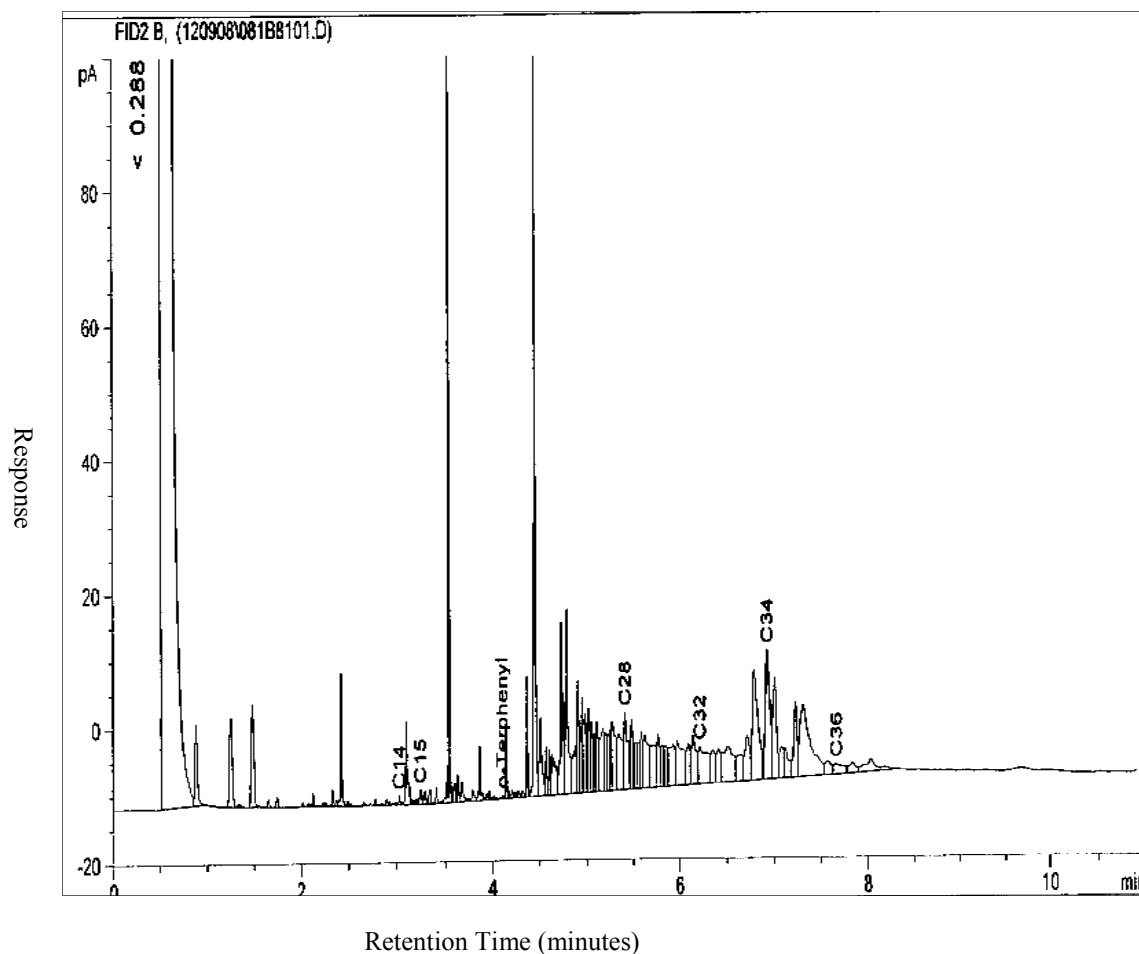
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# HYDROCARBON REFERENCE LIBRARY



## EUCALYPTUS WOOD CHIP



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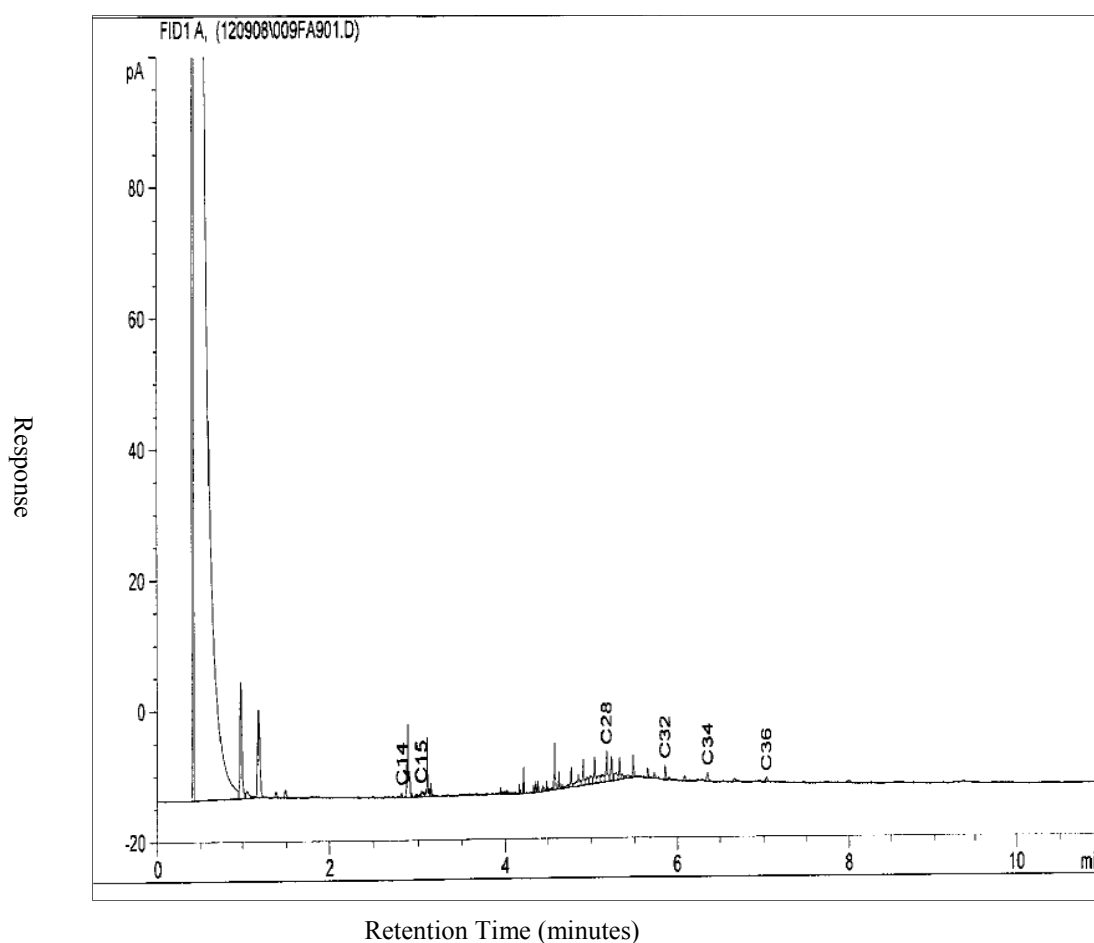
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# HYDROCARBON REFERENCE LIBRARY



## EUCALYPTUS WOOD CHIP WITH SILICA GEL CLEANUP



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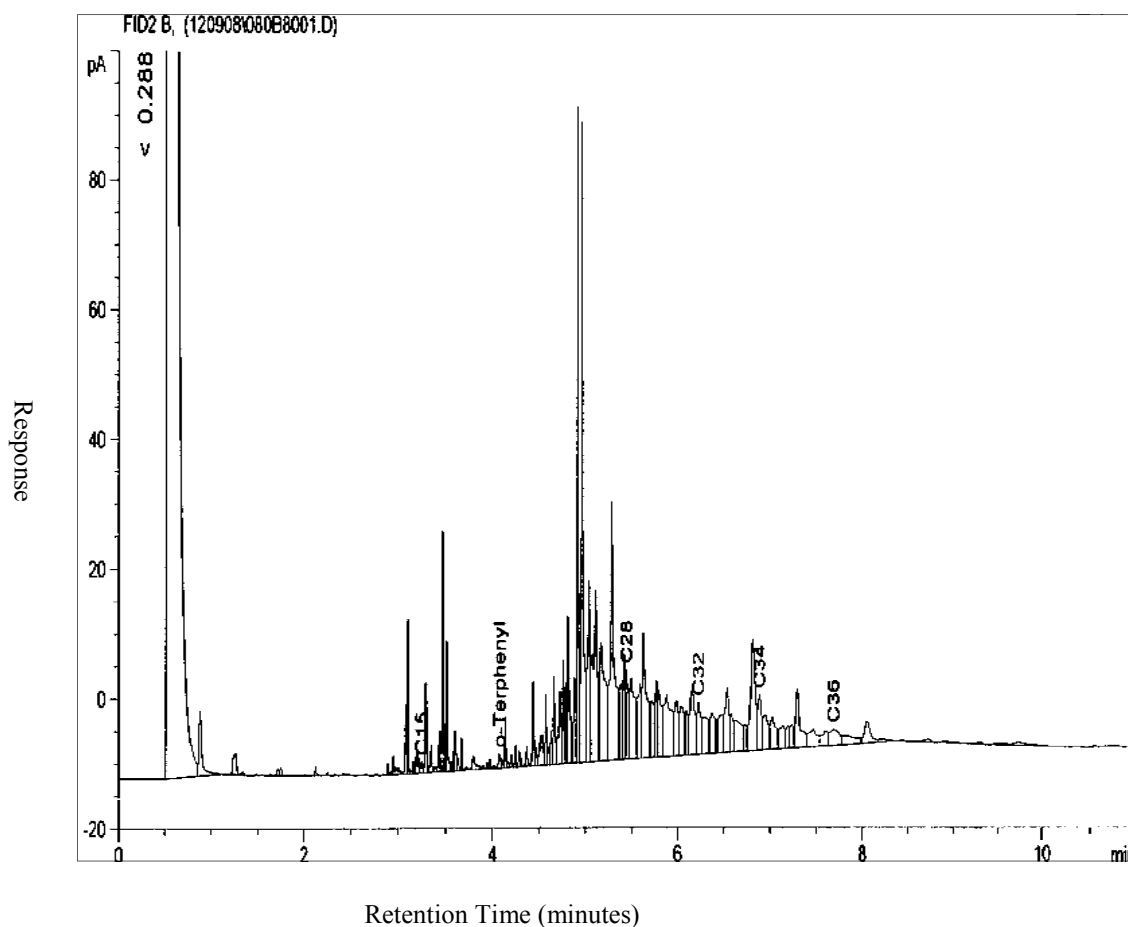
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# HYDROCARBON REFERENCE LIBRARY



## PREMIUM BLEND COMPOST



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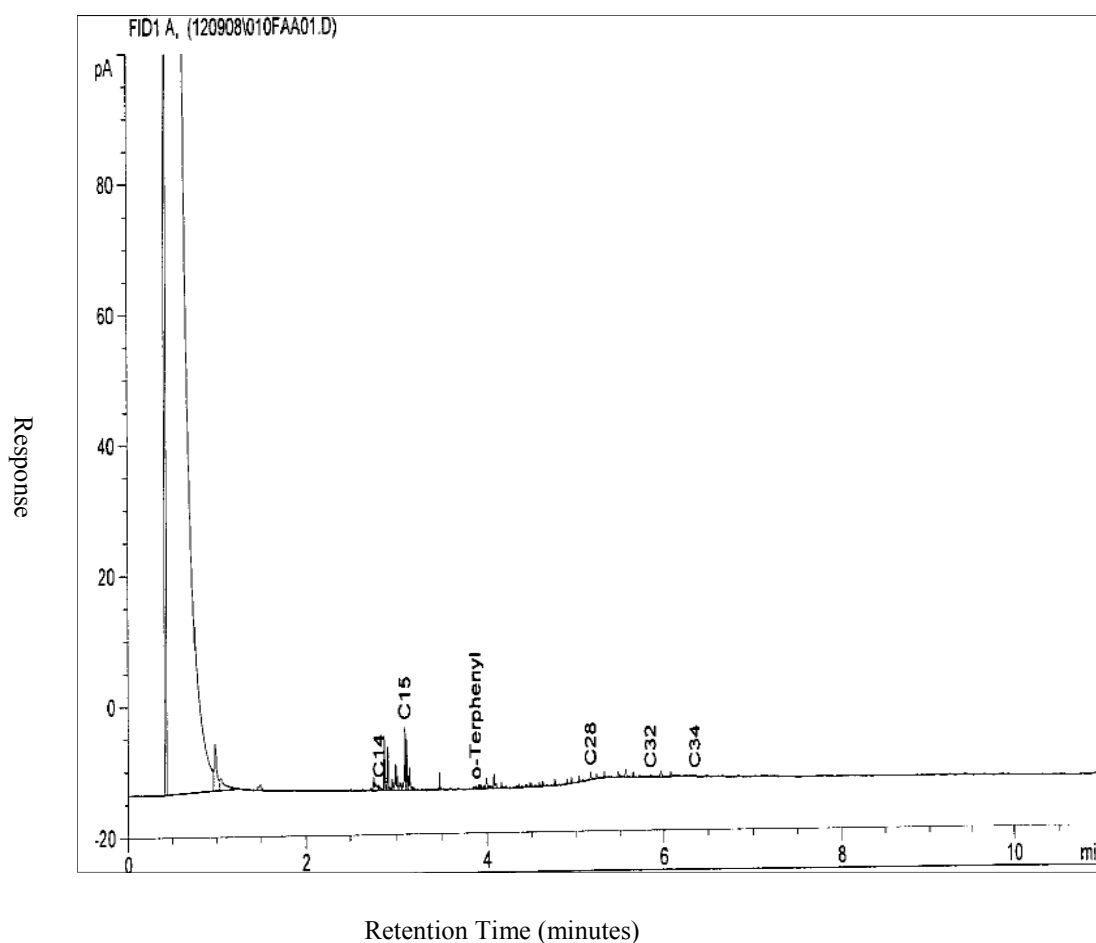
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# HYDROCARBON REFERENCE LIBRARY



## PREMIUM BLEND COMPOST WITH SILICA GEL CLEANUP



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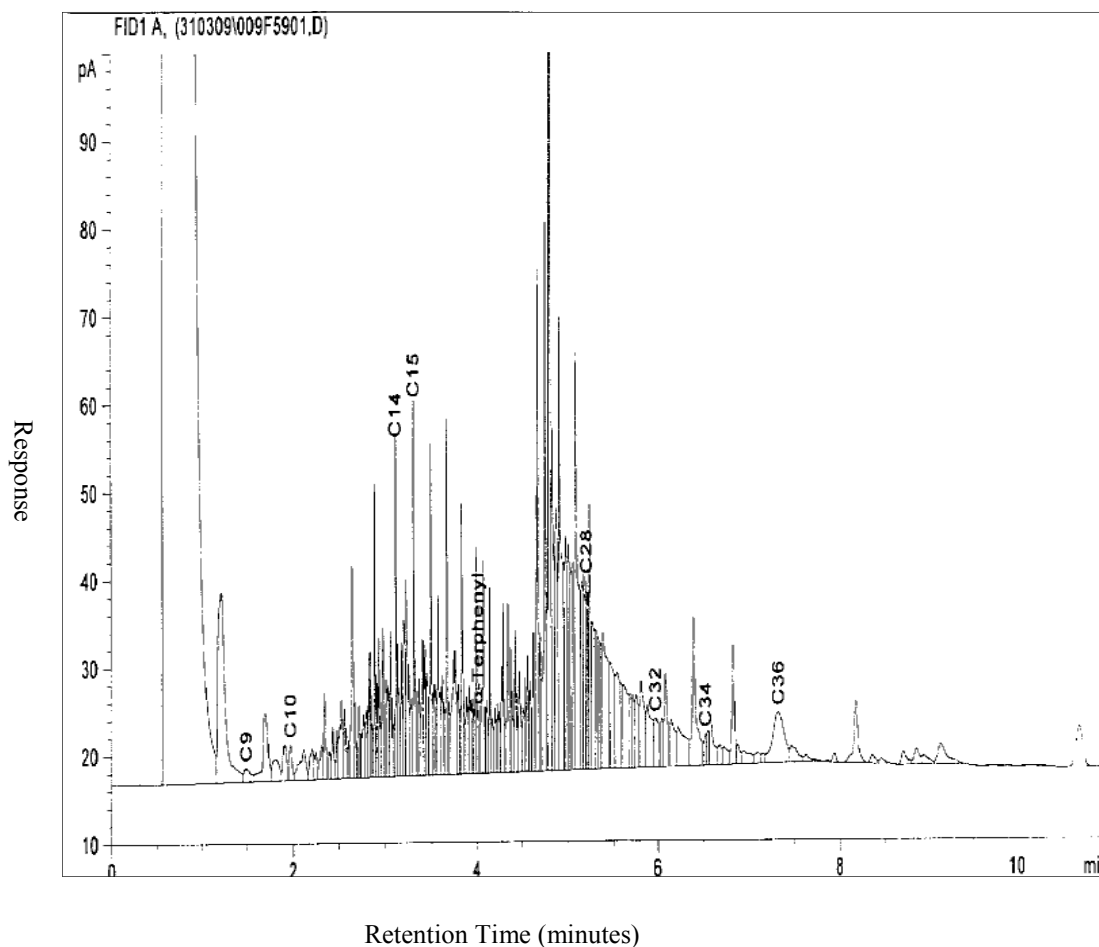
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# HYDROCARBON REFERENCE LIBRARY



## WOOD CHIPS SPIKED WITH DIESEL



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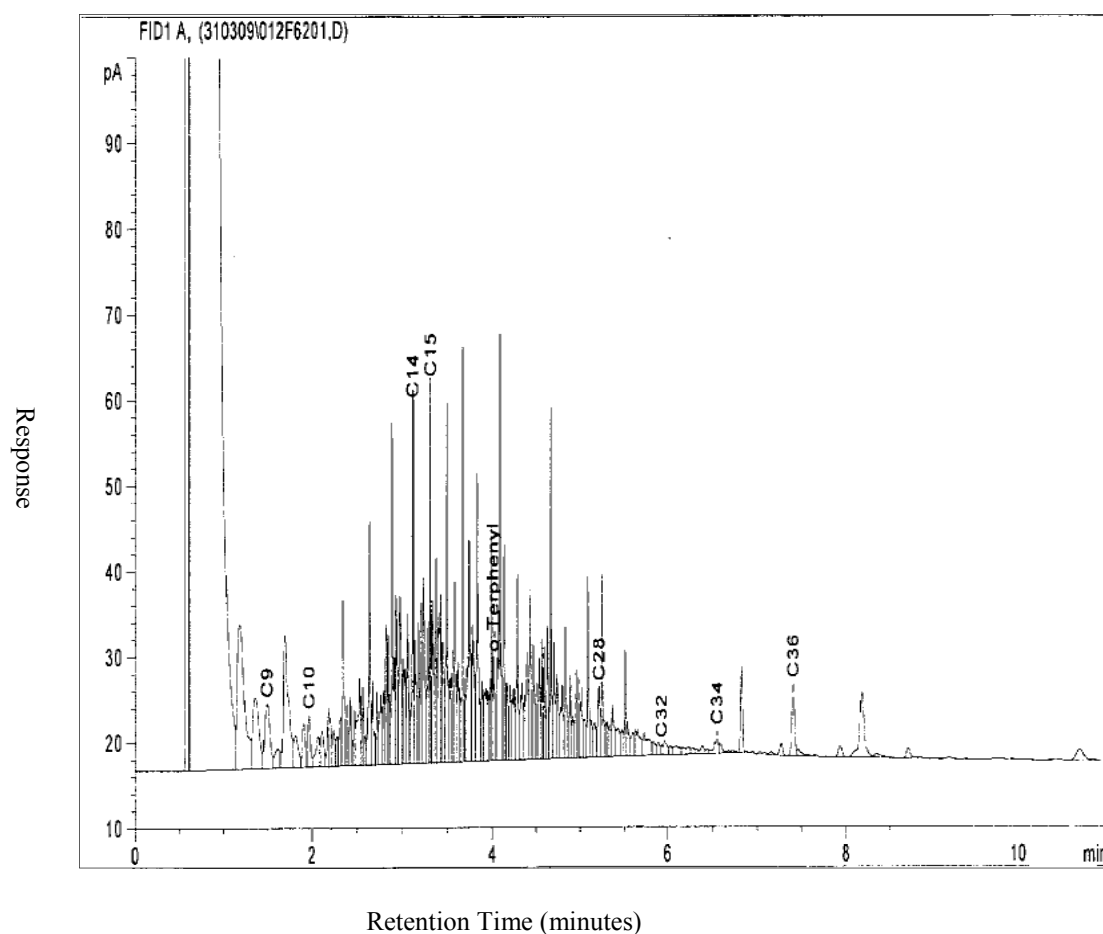
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# HYDROCARBON REFERENCE LIBRARY



## WOOD CHIPS SPIKED WITH DIESEL WITH SILICA GEL CLEANUP



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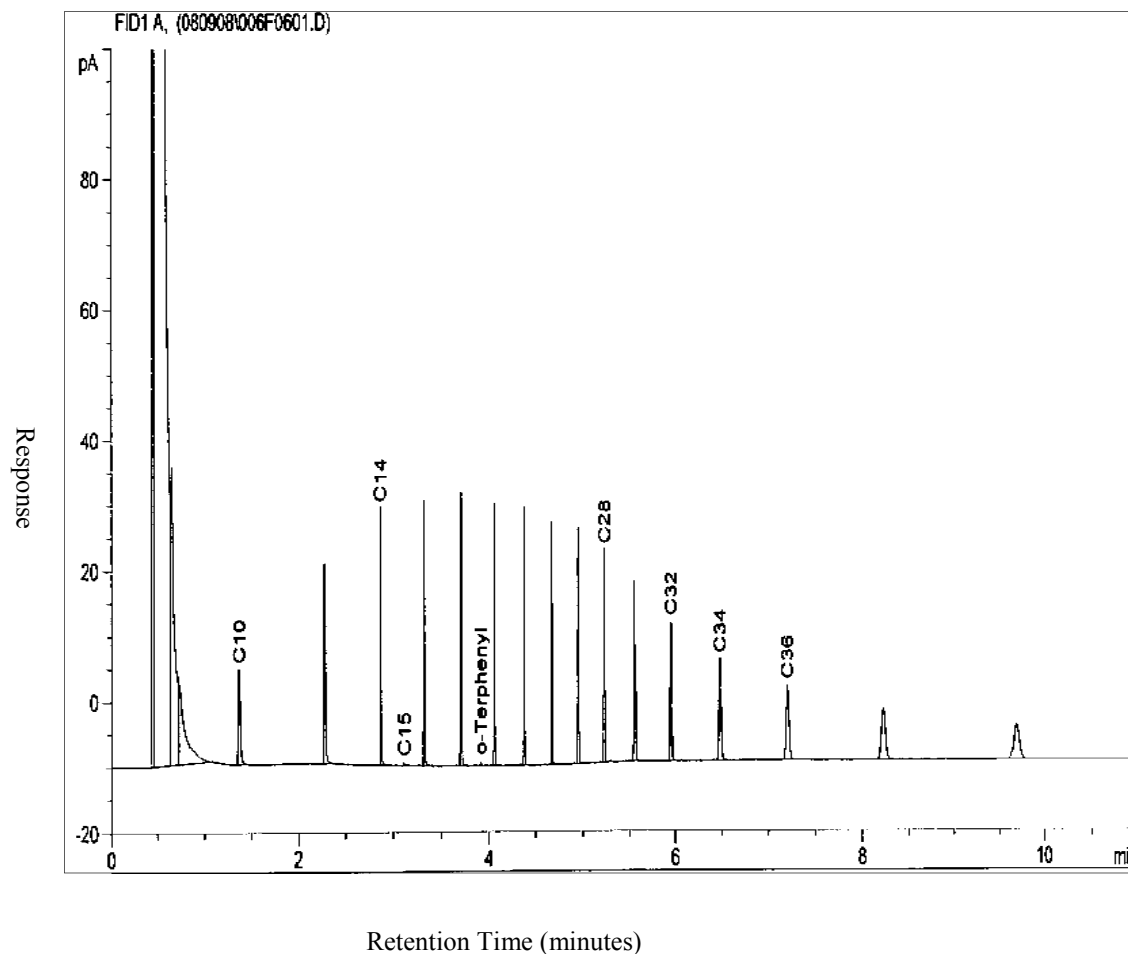
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# HYDROCARBON REFERENCE LIBRARY



## FLORIDA - ALKANE MIXTURE



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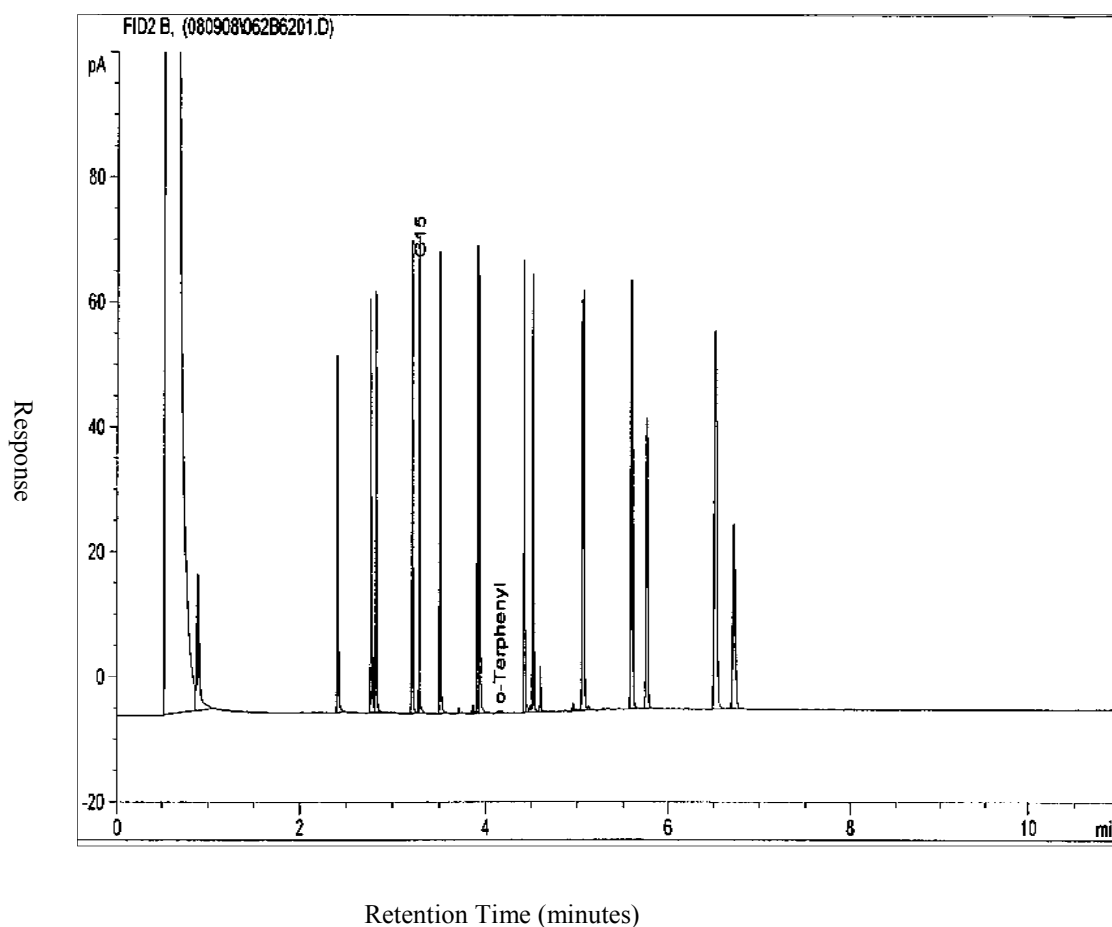
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# HYDROCARBON REFERENCE LIBRARY



## PAH MIXTURE



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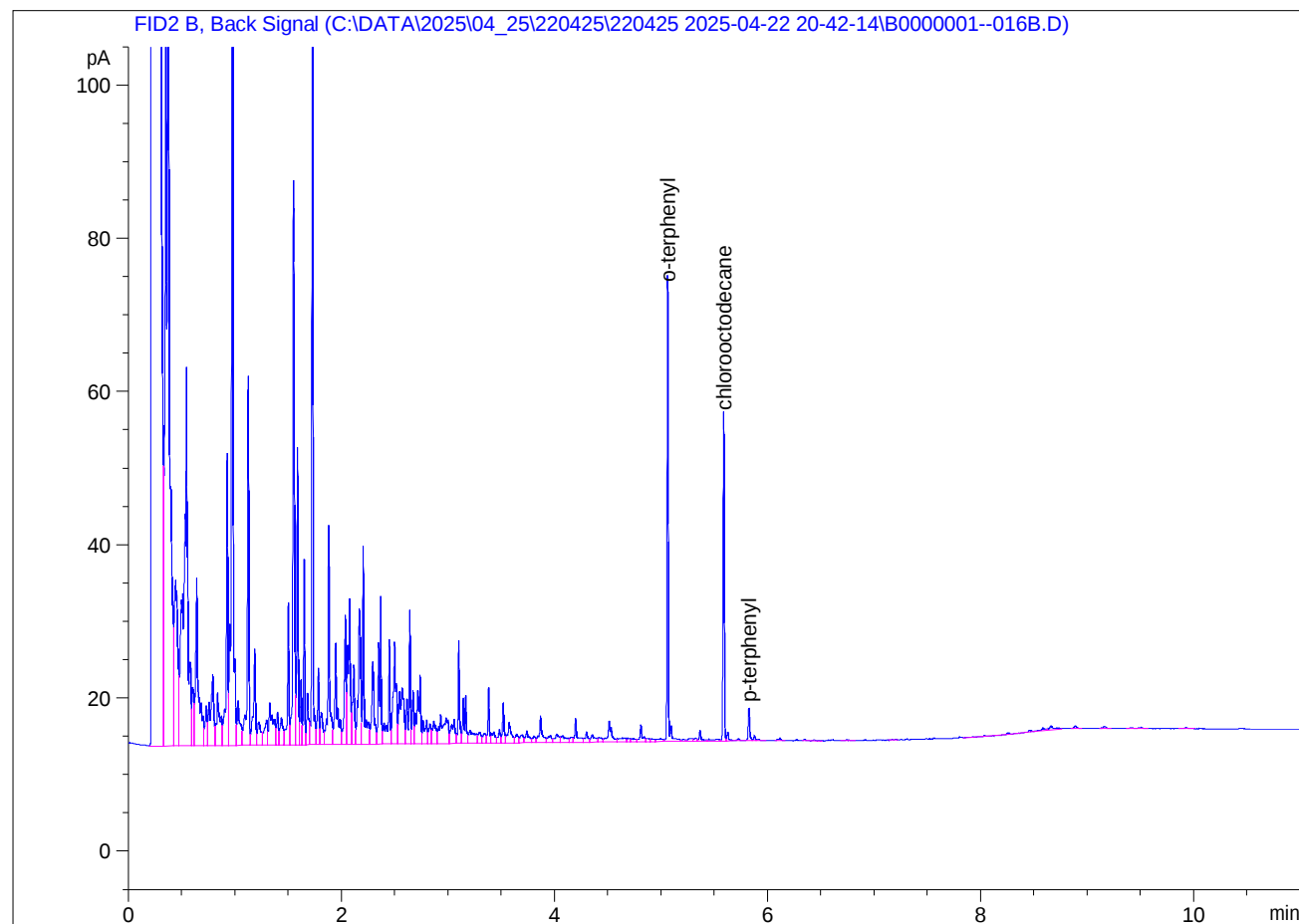
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The o-Terphenyl peak is the TPH surrogate used in our extraction.

Sample Name: s378586-2

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   16
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   91 (B)
Injection Date  : 23-Apr-25 12:39:20 AM      Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 10:01:22 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.062            | VB   | 50.88356       | 2.08905e-1 | 10.62984         |     | o-terphenyl      |
| 5.588            | VV   | 35.57320       | 2.66947e-1 | 9.49616          |     | chlorooctodecane |

Sample Name: s378586-2

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name        |
|------------------|------|----------------|------------|------------------|-----|-------------|
| 5.825            | VV   | 4.22960        | 2.25453e-1 | 9.53575e-1       |     | p-terphenyl |

Totals : 21.07957

## Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 734.02358            | 166.0648         |
| NEPM >C10-C16 | 1.805               | 4.227             | 466.62008            | 105.5677         |
| TRH C15-C28   | 3.547               | 7.220             | 72.82061             | 17.5932          |
| NEPM >C16-C34 | 4.227               | 8.295             | 35.88042             | 8.6686           |
| TRH C29-C36   | 7.220               | 8.615             | 2.38715              | 0.6168           |
| NEPM >C34-C40 | 8.295               | 9.470             | 4.80520              | 1.2415           |

Totals : 299.7525

1 Warnings or Errors :

Warning : Reference compound(s) not found

## Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

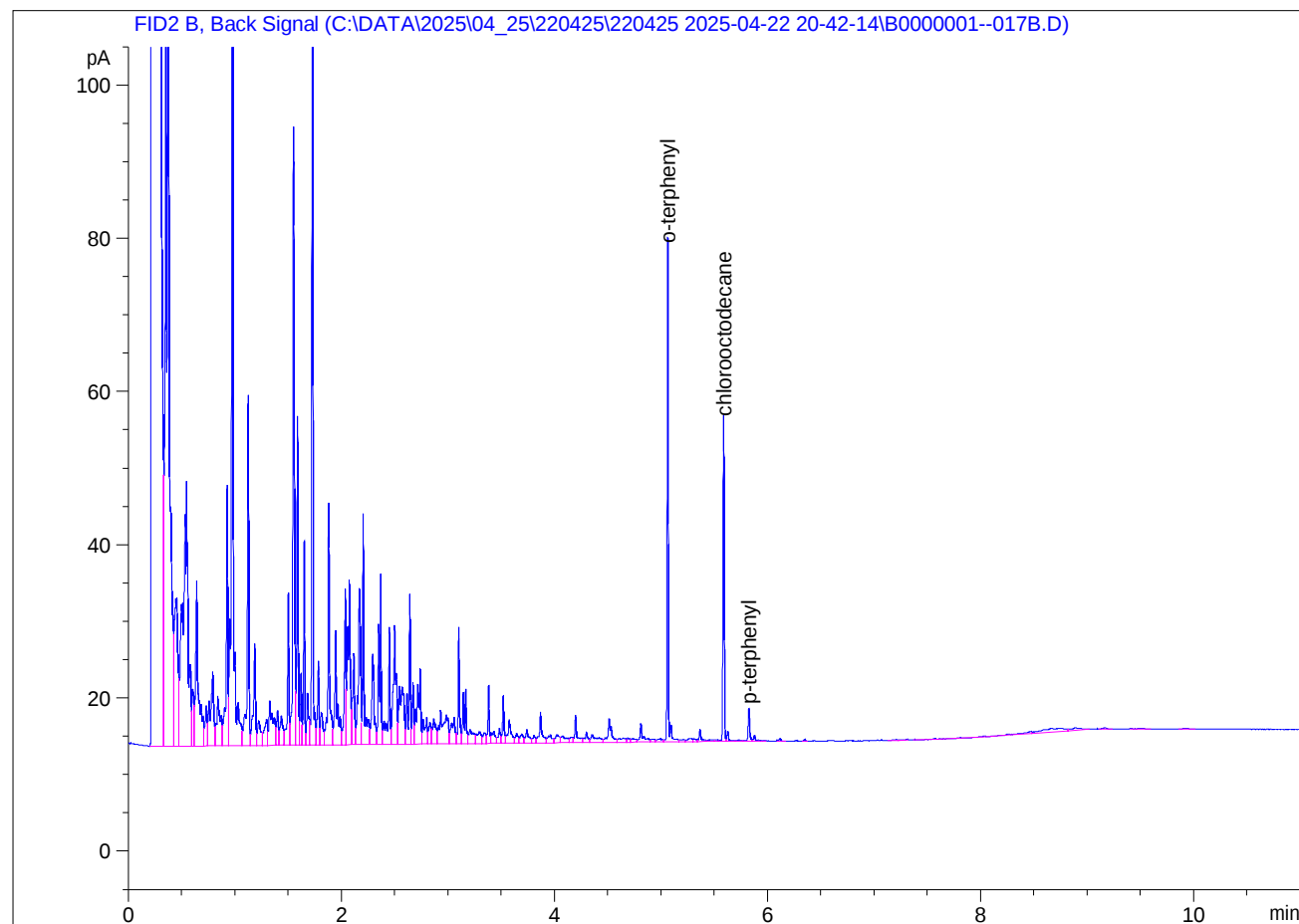
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 734.02358            | 166.0648         |
| NEPM >C10-C16   | 466.62008            | 105.5677         |
| TRH C15-C28     | 72.82061             | 17.5932          |
| NEPM >C16-C34   | 35.88042             | 8.6686           |
| TRH C29-C36     | 2.38715              | 0.6168           |
| NEPM >C34-C40   | 4.80520              | 1.2415           |
| o-terphenyl     | 50.88356             | 10.6298          |
| chlorooctodecan | 35.57320             | 9.4962           |
| p-terphenyl     | 4.22960              | 0.9536           |

Totals : 320.8321

\*\*\* End of Report \*\*\*

Sample Name: s378586-2d

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   17
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   92 (B)
Injection Date  : 23-Apr-25 12:55:01 AM      Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                                           start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 10:01:22 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.063            | VB   | 50.29430       | 2.08905e-1 | 10.50674         |     | o-terphenyl      |
| 5.588            | VV   | 35.41756       | 2.66947e-1 | 9.45461          |     | chlorooctodecane |

Sample Name: s378586-2d

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name        |
|------------------|------|----------------|------------|------------------|-----|-------------|
| 5.825            | VV   | 4.23339        | 2.25453e-1 | 9.54429e-1       |     | p-terphenyl |

Totals : 20.91578

Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 811.30571            | 183.5490         |
| NEPM >C10-C16 | 1.805               | 4.227             | 519.38413            | 117.5049         |
| TRH C15-C28   | 3.547               | 7.220             | 76.89476             | 18.5775          |
| NEPM >C16-C34 | 4.227               | 8.295             | 38.17703             | 9.2235           |
| TRH C29-C36   | 7.220               | 8.615             | 2.95509              | 0.7635           |
| NEPM >C34-C40 | 8.295               | 9.470             | 10.22003             | 2.6405           |

Totals : 332.2589

1 Warnings or Errors :

Warning : Reference compound(s) not found

Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

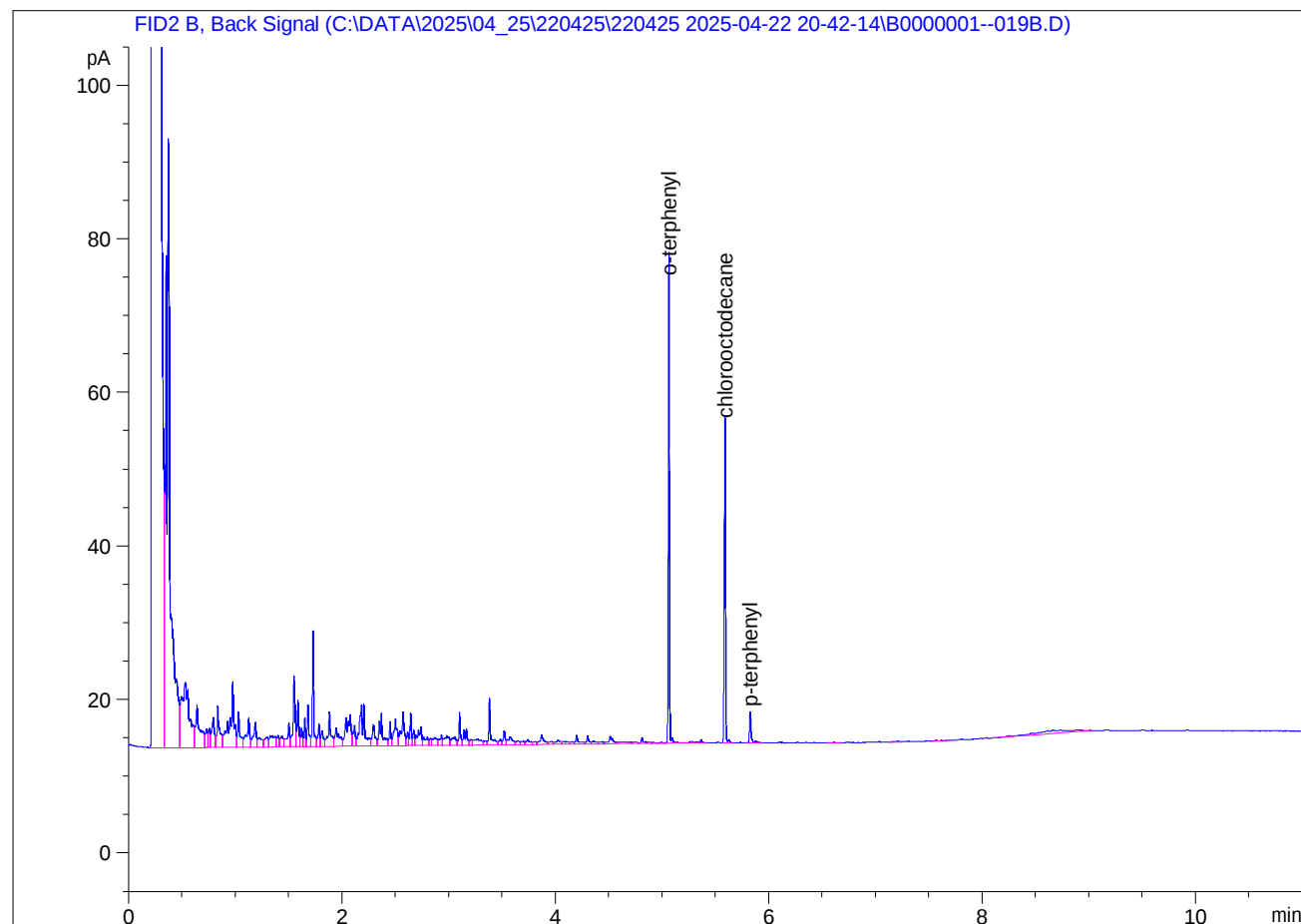
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 811.30571            | 183.5490         |
| NEPM >C10-C16   | 519.38413            | 117.5049         |
| TRH C15-C28     | 76.89476             | 18.5775          |
| NEPM >C16-C34   | 38.17703             | 9.2235           |
| TRH C29-C36     | 2.95509              | 0.7635           |
| NEPM >C34-C40   | 10.22003             | 2.6405           |
| o-terphenyl     | 50.29430             | 10.5067          |
| chlorooctodecan | 35.41756             | 9.4546           |
| p-terphenyl     | 4.23339              | 0.9544           |

Totals : 353.1747

\*\*\* End of Report \*\*\*

Sample Name: s378586-5

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   19
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   94 (B)
Injection Date  : 23-Apr-25 1:26:28 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 10:01:22 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.064            | VV   | 47.12786       | 2.08905e-1 | 9.84525          |     | o-terphenyl      |
| 5.589            | VB   | 35.75568       | 2.66947e-1 | 9.54487          |     | chlorooctadecane |

Sample Name: s378586-5

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name        |
|------------------|------|----------------|------------|------------------|-----|-------------|
| 5.826            | BV   | 4.02541        | 2.25453e-1 | 9.07540e-1       |     | p-terphenyl |

Totals : 20.29766

Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 213.52421            | 48.3075          |
| NEPM >C10-C16 | 1.805               | 4.227             | 159.78790            | 36.1503          |
| TRH C15-C28   | 3.547               | 7.220             | 30.16440             | 7.2876           |
| NEPM >C16-C34 | 4.227               | 8.295             | 13.52610             | 3.2679           |
| TRH C29-C36   | 7.220               | 8.615             | 2.26217              | 0.5845           |
| NEPM >C34-C40 | 8.295               | 9.470             | 9.15396              | 2.3650           |

Totals : 97.9627

1 Warnings or Errors :

Warning : Reference compound(s) not found

Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

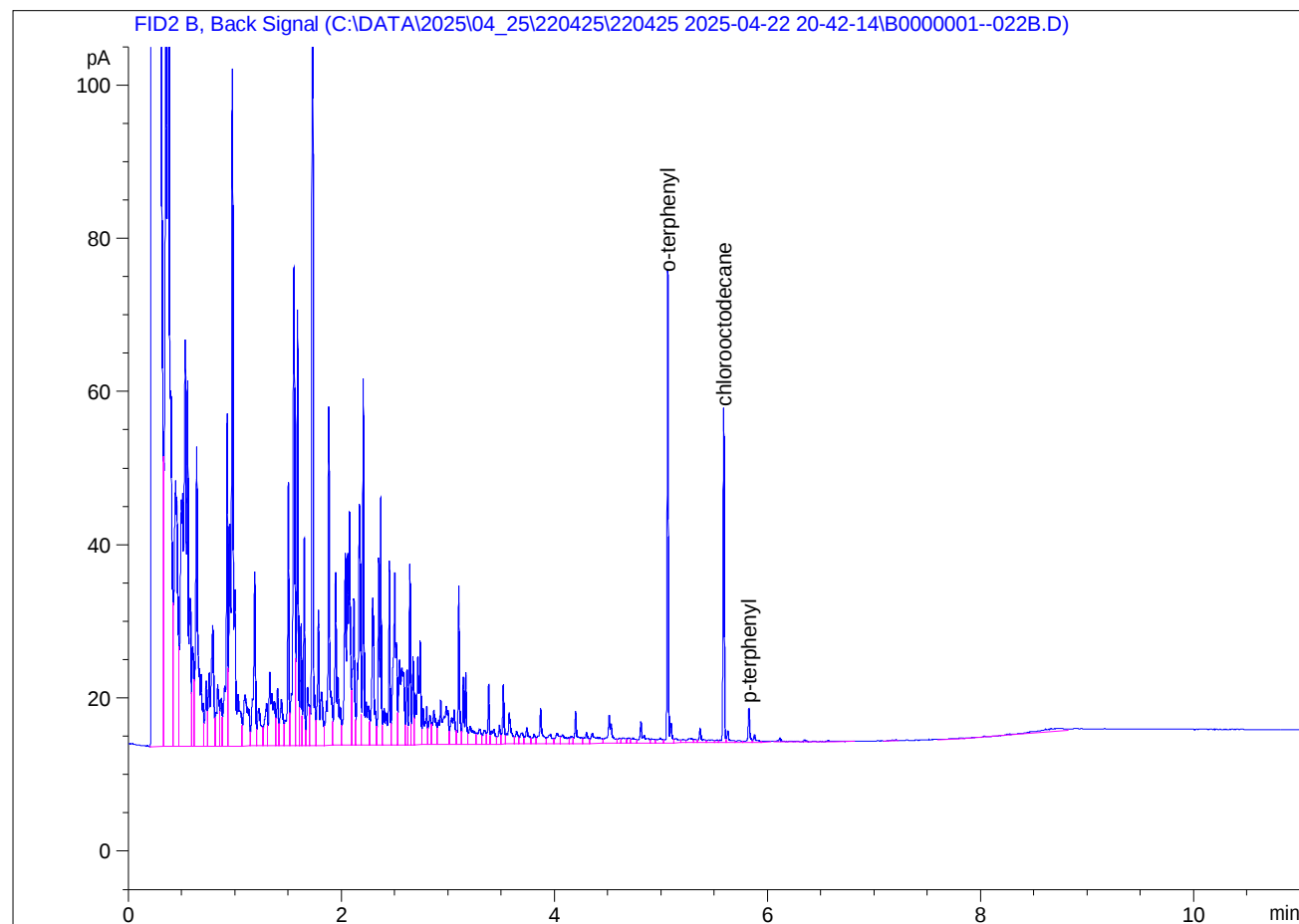
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 213.52421            | 48.3075          |
| NEPM >C10-C16   | 159.78790            | 36.1503          |
| TRH C15-C28     | 30.16440             | 7.2876           |
| NEPM >C16-C34   | 13.52610             | 3.2679           |
| TRH C29-C36     | 2.26217              | 0.5845           |
| NEPM >C34-C40   | 9.15396              | 2.3650           |
| o-terphenyl     | 47.12786             | 9.8453           |
| chlorooctodecan | 35.75568             | 9.5449           |
| p-terphenyl     | 4.02541              | 0.9075           |

Totals : 118.2604

\*\*\* End of Report \*\*\*

Sample Name: s378586-10

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   22
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   97 (B)
Injection Date  : 23-Apr-25 2:13:32 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 10:01:22 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.063            | VV   | 50.22300       | 2.08905e-1 | 10.49184         |     | o-terphenyl      |
| 5.588            | VV   | 36.04562       | 2.66947e-1 | 9.62227          |     | chlorooctadecane |

Sample Name: s378586-10

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name        |
|------------------|------|----------------|------------|------------------|-----|-------------|
| 5.825            | VV   | 4.82908        | 2.25453e-1 | 1.08873          |     | p-terphenyl |

Totals : 21.20284

Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 1130.57211           | 255.7795         |
| NEPM >C10-C16 | 1.805               | 4.227             | 733.80703            | 166.0158         |
| TRH C15-C28   | 3.547               | 7.220             | 104.03182            | 25.1338          |
| NEPM >C16-C34 | 4.227               | 8.295             | 54.40491             | 13.1441          |
| TRH C29-C36   | 7.220               | 8.615             | 9.20167e-1           | 0.2377           |
| NEPM >C34-C40 | 8.295               | 9.470             | 7.77098              | 2.0077           |

Totals : 462.3186

1 Warnings or Errors :

Warning : Reference compound(s) not found

Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

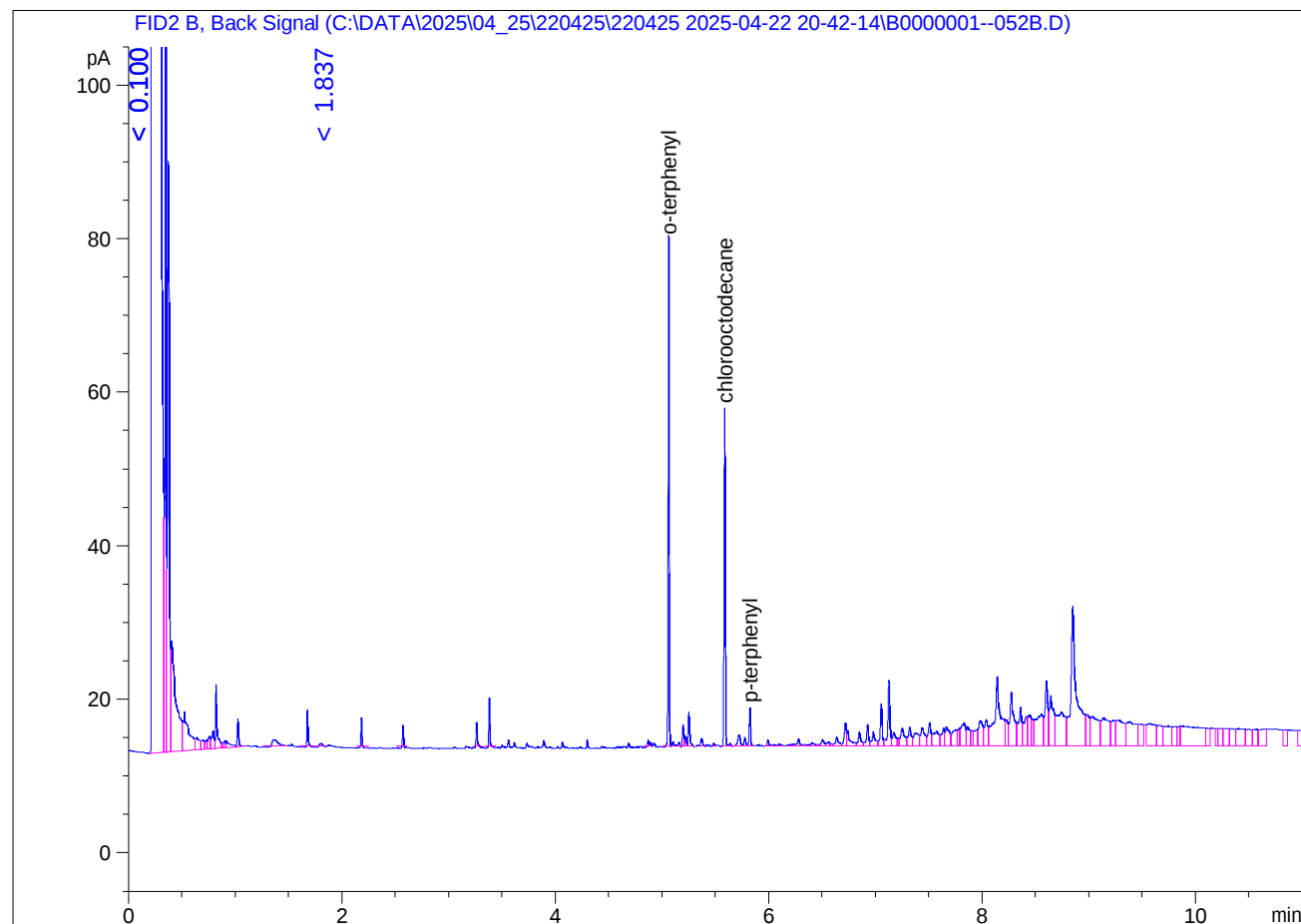
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 1130.57211           | 255.7795         |
| NEPM >C10-C16   | 733.80703            | 166.0158         |
| TRH C15-C28     | 104.03182            | 25.1338          |
| NEPM >C16-C34   | 54.40491             | 13.1441          |
| TRH C29-C36     | 9.20167e-1           | 0.2377           |
| NEPM >C34-C40   | 7.77098              | 2.0077           |
| o-terphenyl     | 50.22300             | 10.4918          |
| chlorooctodecan | 36.04562             | 9.6223           |
| p-terphenyl     | 4.82908              | 1.0887           |

Totals : 483.5214

\*\*\* End of Report \*\*\*

Sample Name: s378586-14

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   52
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  : 127 (B)
Injection Date  : 23-Apr-25 10:04:13 AM      Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 10:01:22 AM by SYSTEM
                  (modified after loading) (Current integration events modified)
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      : Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

Sample Name: s378586-14

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.063            | HH   | 46.31807       | 2.08905e-1 | 9.67608          |     | o-terphenyl      |
| 5.587            | HH   | 36.22847       | 2.66947e-1 | 9.67108          |     | chlorooctodecane |
| 5.824            | HH   | 4.23665        | 2.25453e-1 | 9.55165e-1       |     | p-terphenyl      |

Totals : 20.30233

Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 13.54192             | 3.0637           |
| NEPM >C10-C16 | 1.805               | 4.227             | 8.11554              | 1.8361           |
| TRH C15-C28   | 3.547               | 7.220             | 71.32781             | 17.2326          |
| NEPM >C16-C34 | 4.227               | 8.295             | 232.77121            | 56.2368          |
| TRH C29-C36   | 7.220               | 8.615             | 233.61989            | 60.3585          |
| NEPM >C34-C40 | 8.295               | 9.470             | 285.06401            | 73.6497          |

Totals : 212.3774

1 Warnings or Errors :

Warning : Reference compound(s) not found

Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

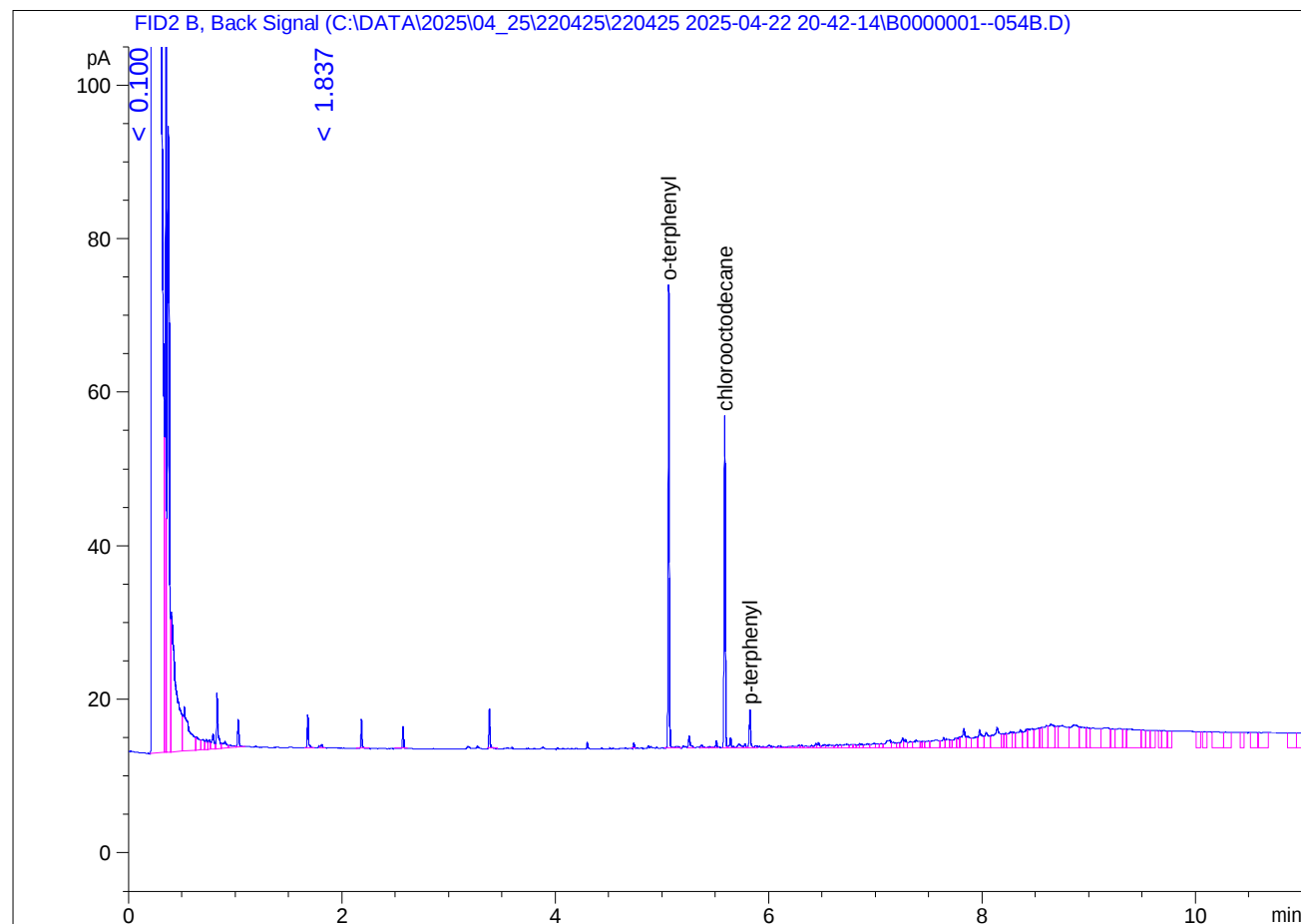
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 13.54192             | 3.0637           |
| NEPM >C10-C16   | 8.11554              | 1.8361           |
| TRH C15-C28     | 71.32781             | 17.2326          |
| NEPM >C16-C34   | 232.77121            | 56.2368          |
| TRH C29-C36     | 233.61989            | 60.3585          |
| NEPM >C34-C40   | 285.06401            | 73.6497          |
| o-terphenyl     | 46.31807             | 9.6761           |
| chlorooctodecan | 36.22847             | 9.6711           |
| p-terphenyl     | 4.23665              | 0.9552           |

Totals : 232.6797

\*\*\* End of Report \*\*\*

Sample Name: s378586-15

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   54
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  : 129 (B)
Injection Date  : 23-Apr-25 10:35:35 AM      Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\220425\220425 2025-04-22 20-42-14\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\220425-B PROCESSING.M
Last changed    : 23-Apr-25 11:00:22 AM by SYSTEM
                  (modified after loading) (Current integration events modified)
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      : Signal
Calib. Data Modified : 23-Apr-25 9:47:16 AM
Multiplier     : 1.0000
Dilution       : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID2 B, Back Signal

Sample Name: s378586-15

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.062            | HH   | 45.42610       | 2.08905e-1 | 9.48975          |     | o-terphenyl      |
| 5.587            | HH   | 35.24263       | 2.66947e-1 | 9.40791          |     | chlorooctodecane |
| 5.823            | HH   | 4.28735        | 2.25453e-1 | 9.66596e-1       |     | p-terphenyl      |

Totals : 19.86425

Summed Peaks Report

Signal 1: FID2 B, Back Signal

Signal 1: FID2 B, Back Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.215               | 3.547             | 10.28787             | 2.3275           |
| NEPM >C10-C16 | 1.805               | 4.227             | 7.13550              | 1.6143           |
| TRH C15-C28   | 3.547               | 7.220             | 34.12949             | 8.2456           |
| NEPM >C16-C34 | 4.227               | 8.295             | 118.92232            | 28.7313          |
| TRH C29-C36   | 7.220               | 8.615             | 128.40932            | 33.1761          |
| NEPM >C34-C40 | 8.295               | 9.470             | 178.38743            | 46.0885          |

Totals : 120.1833

1 Warnings or Errors :

Warning : Reference compound(s) not found

Final Summed Peaks Report

Signal 1: FID2 B, Back Signal

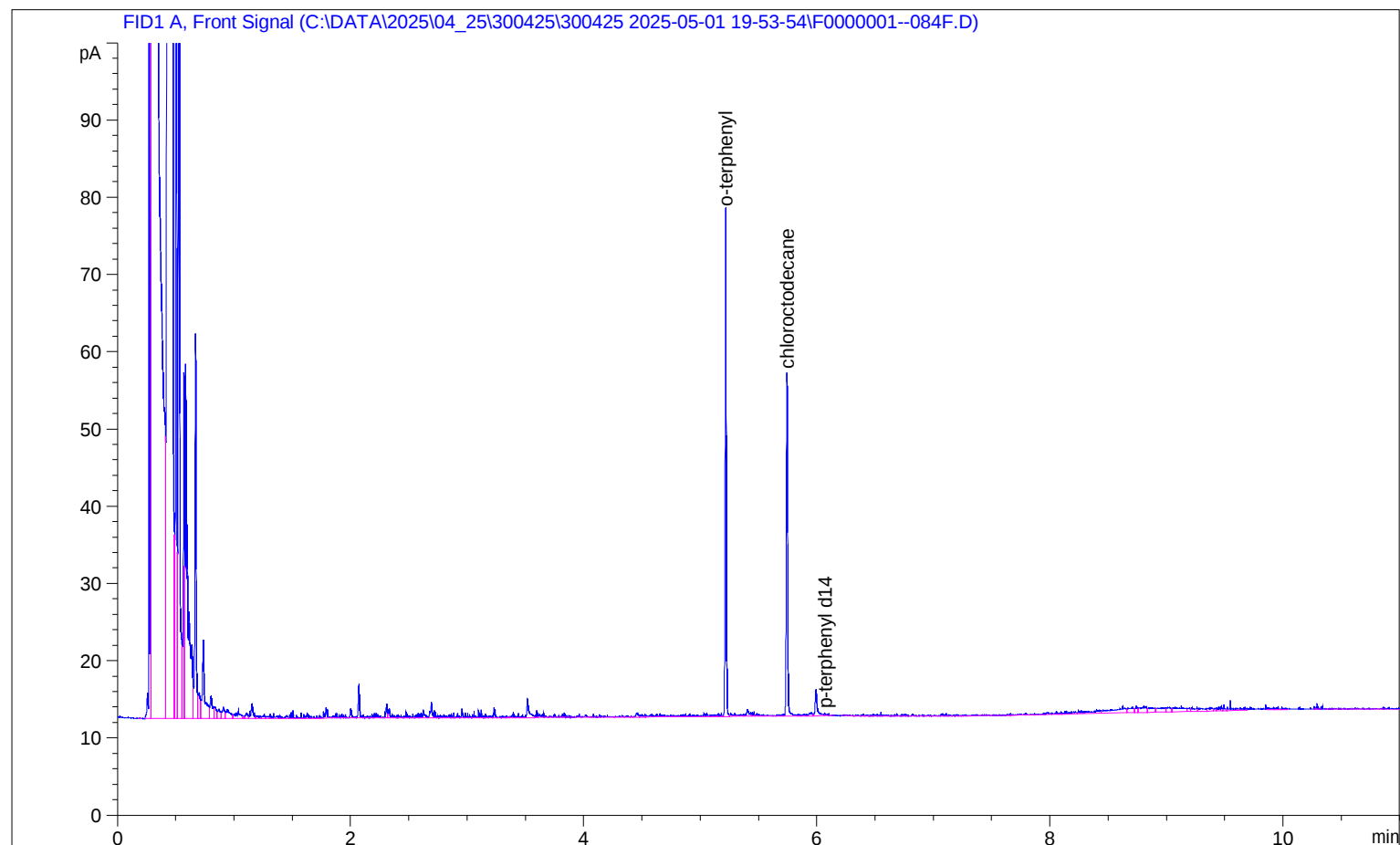
| Name            | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|-----------------|----------------------|------------------|
| TRH C10-C14     | 10.28787             | 2.3275           |
| NEPM >C10-C16   | 7.13550              | 1.6143           |
| TRH C15-C28     | 34.12949             | 8.2456           |
| NEPM >C16-C34   | 118.92232            | 28.7313          |
| TRH C29-C36     | 128.40932            | 33.1761          |
| NEPM >C34-C40   | 178.38743            | 46.0885          |
| o-terphenyl     | 45.42610             | 9.4897           |
| chlorooctodecan | 35.24263             | 9.4079           |
| p-terphenyl     | 4.28735              | 0.9666           |

Totals : 140.0476

\*\*\* End of Report \*\*\*

Sample Name: w379259-4

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   84
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   29 (F)
Injection Date  : 02-May-25 3:45:38 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
                                           start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | VV   | 45.30250       | 2.40185e-1 | 10.88096         |     | o-terphenyl      |
| 5.742            | VV I | 37.17241       | 3.05415e-1 | 11.35301         |     | chlorooctadecane |

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|------------|------------------|-----|-----------------|
| 6.069            | VB   | I 3.69033e-1   | 2.69794e-1 | 9.95631e-2       |     | p-terphenyl d14 |

Totals : 22.33354

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 28.53758             | 7.4809           |
| NEPM >C10-C16 | 1.935               | 4.375             | 26.98514             | 7.0739           |
| TRH C15-C28   | 3.680               | 7.400             | 22.47567             | 6.1224           |
| NEPM >C16-C34 | 4.375               | 8.485             | 25.72609             | 7.0078           |
| TRH C29-C36   | 7.400               | 8.820             | 18.29812             | 5.0426           |
| NEPM >C34-C40 | 8.485               | 9.870             | 30.62522             | 8.4397           |

Totals : 41.1674

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

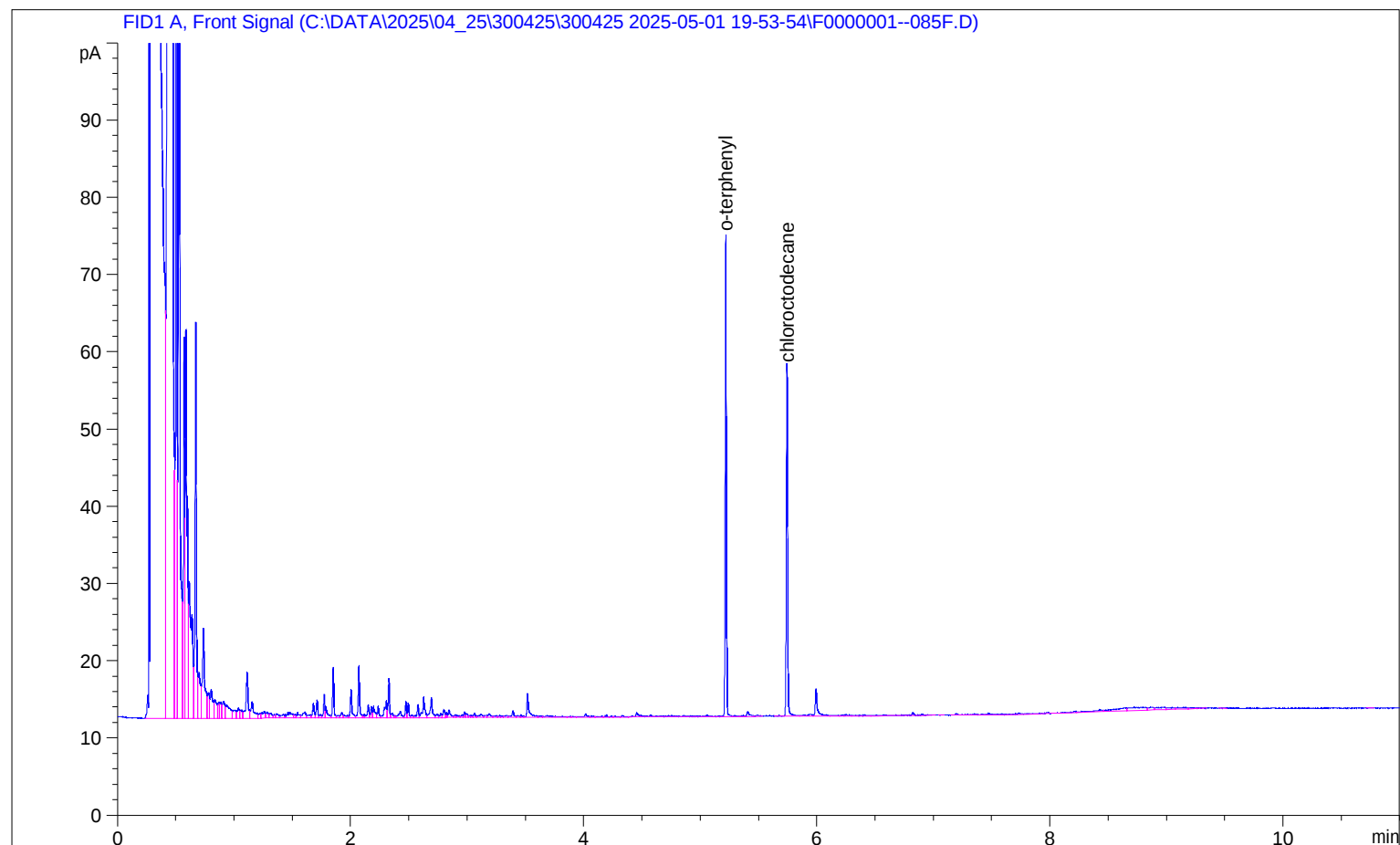
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 28.53758             | 7.4809           |
| NEPM >C10-C16    | 26.98514             | 7.0739           |
| TRH C15-C28      | 22.47567             | 6.1224           |
| NEPM >C16-C34    | 25.72609             | 7.0078           |
| TRH C29-C36      | 18.29812             | 5.0426           |
| NEPM >C34-C40    | 30.62522             | 8.4397           |
| o-terphenyl      | 45.30250             | 10.8810          |
| chlorooctodecane | 37.17241             | 11.3530          |
| p-terphenyl d14  | 3.69033e-1           | 0.0996           |

Totals : 63.5009

\*\*\* End of Report \*\*\*

Sample Name: w379259-5

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   85
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   30 (F)
Injection Date  : 02-May-25 4:02:24 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
                        External Standard Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      01-May-25 10:03:03 AM
Multiplier          :      1.0000
Dilution            :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | VV   | 45.08495       | 2.40185e-1 | 10.82871         |     | o-terphenyl      |
| 5.742            | VV I | 36.94207       | 3.05415e-1 | 11.28266         |     | chlorooctodecane |

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|----------|------------------|-----|-----------------|
| 6.043            | -    | -              | -        | -                | -   | p-terphenyl d14 |

Totals : 22.11137

1 Warnings or Errors :

Warning : ISTD compound(s) not found

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 78.60130             | 20.6047          |
| NEPM >C10-C16 | 1.935               | 4.375             | 58.94835             | 15.4528          |
| TRH C15-C28   | 3.680               | 7.400             | 18.29237             | 4.9829           |
| NEPM >C16-C34 | 4.375               | 8.485             | 18.44459             | 5.0243           |
| TRH C29-C36   | 7.400               | 8.820             | 10.52465             | 2.9004           |
| NEPM >C34-C40 | 8.485               | 9.870             | 12.37130             | 3.4093           |

Totals : 52.3744

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

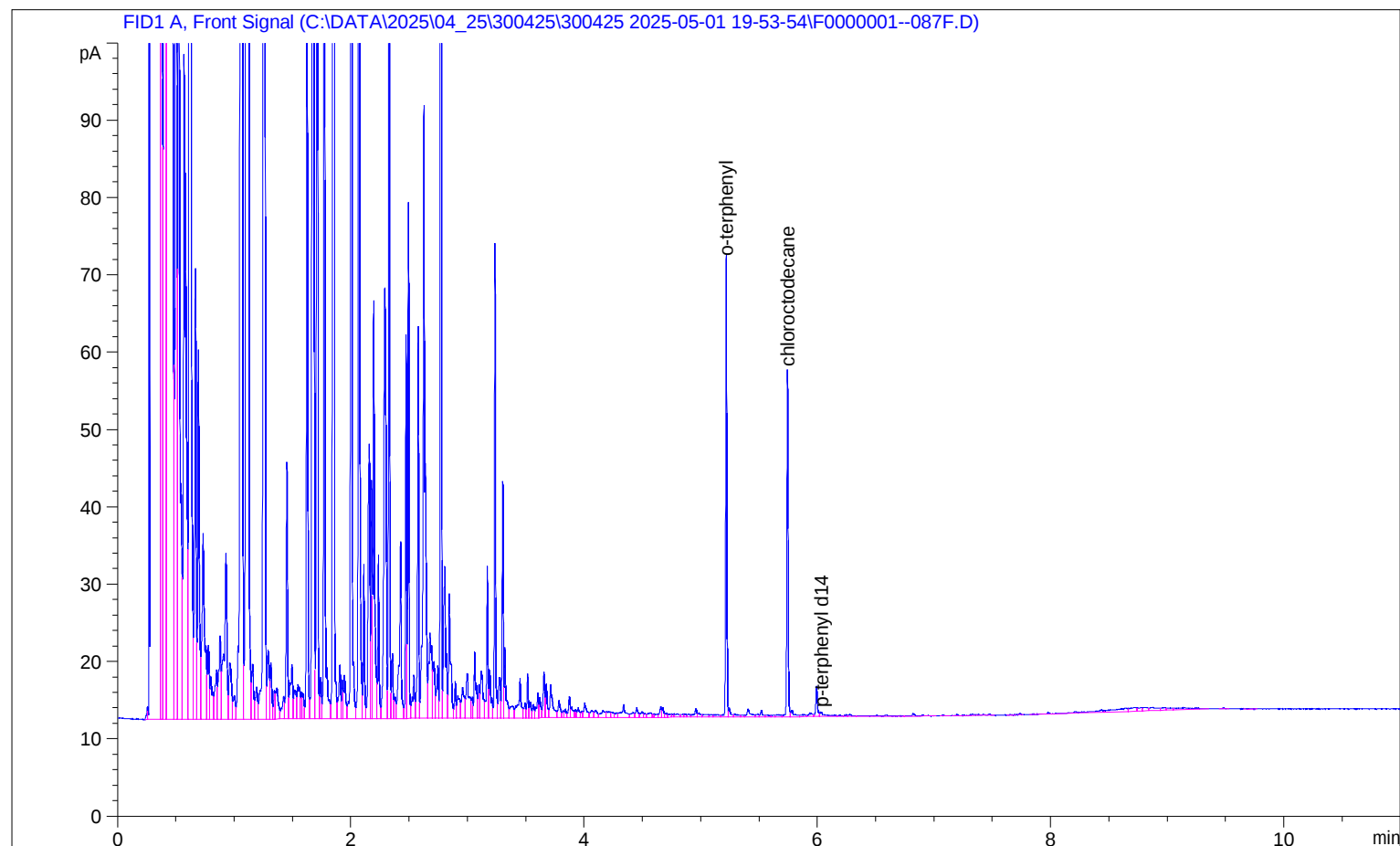
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 78.60130             | 20.6047          |
| NEPM >C10-C16    | 58.94835             | 15.4528          |
| TRH C15-C28      | 18.29237             | 4.9829           |
| NEPM >C16-C34    | 18.44459             | 5.0243           |
| TRH C29-C36      | 10.52465             | 2.9004           |
| NEPM >C34-C40    | 12.37130             | 3.4093           |
| o-terphenyl      | 45.08495             | 10.8287          |
| chlorooctodecane | 36.94207             | 11.2827          |
| p-terphenyl d14  | 0.00000              | 0.0000           |

Totals : 74.4858

\*\*\* End of Report \*\*\*

Sample Name: w379259-7

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   87
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   32 (F)
Injection Date  : 02-May-25 4:35:52 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      01-May-25 10:03:03 AM
Multiplier          :      1.0000
Dilution            :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.218            | VV   | 42.55953       | 2.40185e-1 | 10.22215         |     | o-terphenyl      |
| 5.742            | VV I | 35.18096       | 3.05415e-1 | 10.74479         |     | chlorooctadecane |

Sample Name: w379259-7

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|------------|------------------|-----|-----------------|
| 6.033            | VB I | 1.75185        | 2.69794e-1 | 4.72640e-1       |     | p-terphenyl d14 |

Totals : 21.43958

## Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 2800.15724           | 734.0388         |
| NEPM >C10-C16 | 1.935               | 4.375             | 1381.12809           | 362.0517         |
| TRH C15-C28   | 3.680               | 7.400             | 79.94298             | 21.7765          |
| NEPM >C16-C34 | 4.375               | 8.485             | 45.14710             | 12.2981          |
| TRH C29-C36   | 7.400               | 8.820             | 11.45847             | 3.1577           |
| NEPM >C34-C40 | 8.485               | 9.870             | 14.19087             | 3.9107           |

Totals : 1137.2336

## Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

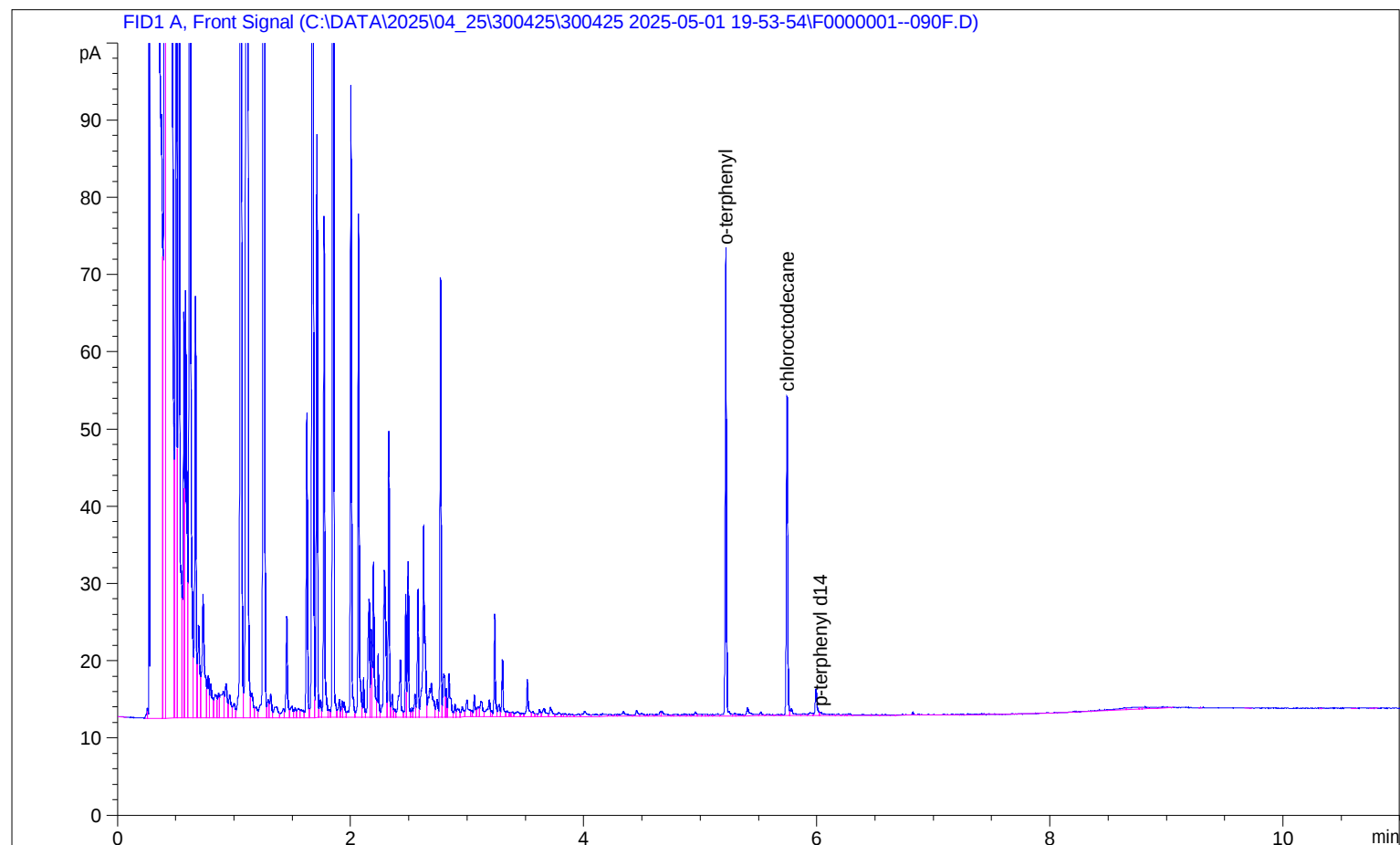
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 2800.15724           | 734.0388         |
| NEPM >C10-C16    | 1381.12809           | 362.0517         |
| TRH C15-C28      | 79.94298             | 21.7765          |
| NEPM >C16-C34    | 45.14710             | 12.2981          |
| TRH C29-C36      | 11.45847             | 3.1577           |
| NEPM >C34-C40    | 14.19087             | 3.9107           |
| o-terphenyl      | 42.55953             | 10.2221          |
| chlorooctodecane | 35.18096             | 10.7448          |
| p-terphenyl d14  | 1.75185              | 0.4726           |

Totals : 1158.6732

\*\*\* End of Report \*\*\*

Sample Name: w379259-10

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   90
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   35 (F)
Injection Date  : 02-May-25 5:26:07 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
                  start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.218            | VV   | 44.10347       | 2.40185e-1 | 10.59298         |     | o-terphenyl      |
| 5.742            | VV I | 34.93805       | 3.05415e-1 | 10.67060         |     | chlorooctodecane |

Sample Name: w379259-10

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|------------|------------------|-----|-----------------|
| 6.031            | VV I | 1.47167        | 2.69794e-1 | 3.97048e-1       |     | p-terphenyl d14 |

Totals : 21.66062

## Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 923.79803            | 242.1663         |
| NEPM >C10-C16 | 1.935               | 4.375             | 429.43252            | 112.5723         |
| TRH C15-C28   | 3.680               | 7.400             | 39.96131             | 10.8855          |
| NEPM >C16-C34 | 4.375               | 8.485             | 28.11003             | 7.6572           |
| TRH C29-C36   | 7.400               | 8.820             | 6.32850              | 1.7440           |
| NEPM >C34-C40 | 8.485               | 9.870             | 6.84094              | 1.8852           |

Totals : 376.9105

## Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

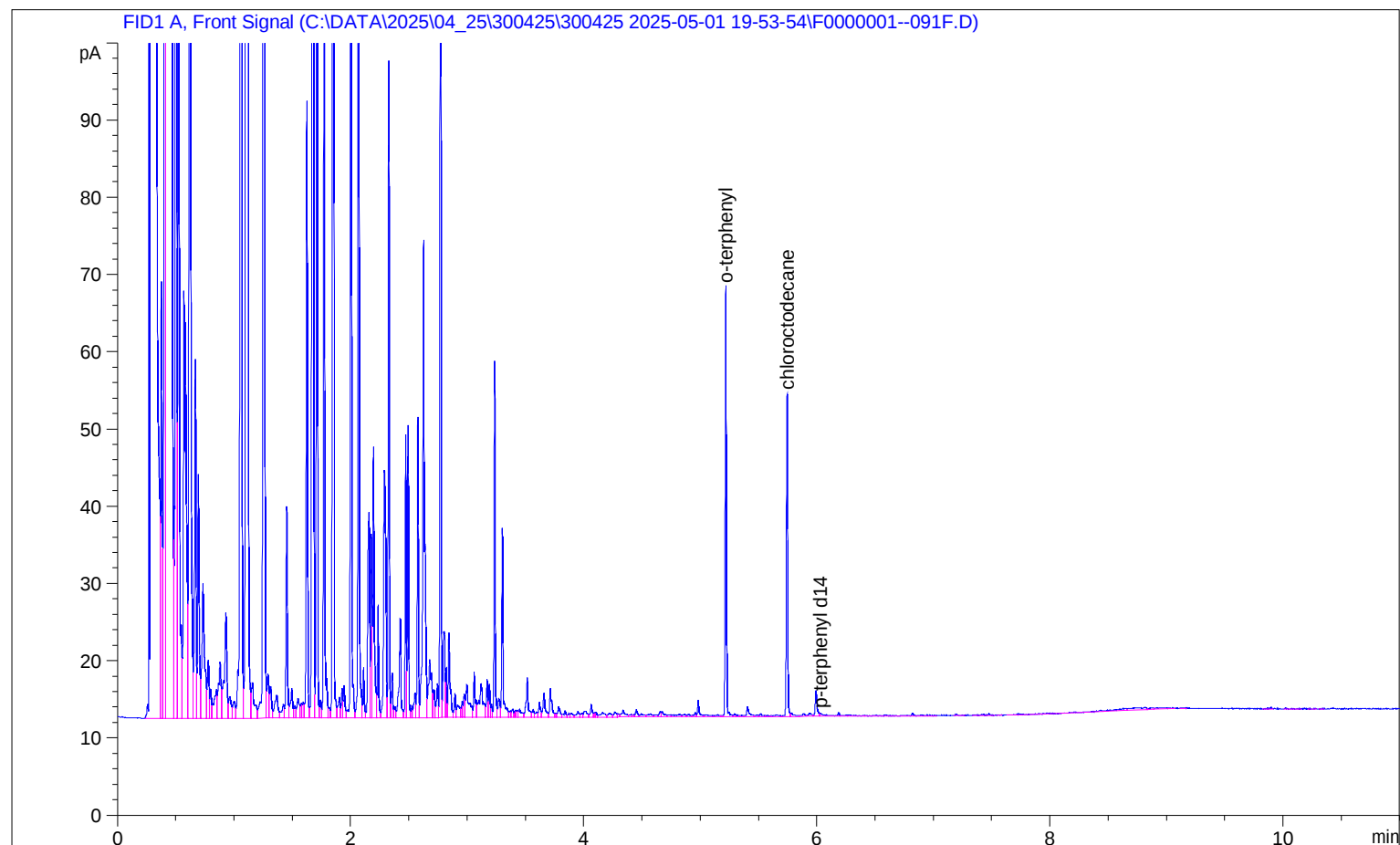
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 923.79803            | 242.1663         |
| NEPM >C10-C16    | 429.43252            | 112.5723         |
| TRH C15-C28      | 39.96131             | 10.8855          |
| NEPM >C16-C34    | 28.11003             | 7.6572           |
| TRH C29-C36      | 6.32850              | 1.7440           |
| NEPM >C34-C40    | 6.84094              | 1.8852           |
| o-terphenyl      | 44.10347             | 10.5930          |
| chlorooctodecane | 34.93805             | 10.6706          |
| p-terphenyl d14  | 1.47167              | 0.3970           |

Totals : 398.5711

\*\*\* End of Report \*\*\*

Sample Name: w379259-11

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   91
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   36 (F)
Injection Date  : 02-May-25 5:42:48 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | VV   | 41.05961       | 2.40185e-1 | 9.86189          |     | o-terphenyl      |
| 5.743            | VV I | 32.81358       | 3.05415e-1 | 10.02176         |     | chlorooctodecane |

Sample Name: w379259-11

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|------------|------------------|-----|-----------------|
| 6.029            | VB I | 1.25477        | 2.69794e-1 | 3.38531e-1       |     | p-terphenyl d14 |

Totals : 20.22217

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 1697.84764           | 445.0772         |
| NEPM >C10-C16 | 1.935               | 4.375             | 868.35553            | 227.6325         |
| TRH C15-C28   | 3.680               | 7.400             | 51.74687             | 14.0959          |
| NEPM >C16-C34 | 4.375               | 8.485             | 31.60852             | 8.6102           |
| TRH C29-C36   | 7.400               | 8.820             | 6.65626              | 1.8343           |
| NEPM >C34-C40 | 8.485               | 9.870             | 5.99750              | 1.6528           |

Totals : 698.9029

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

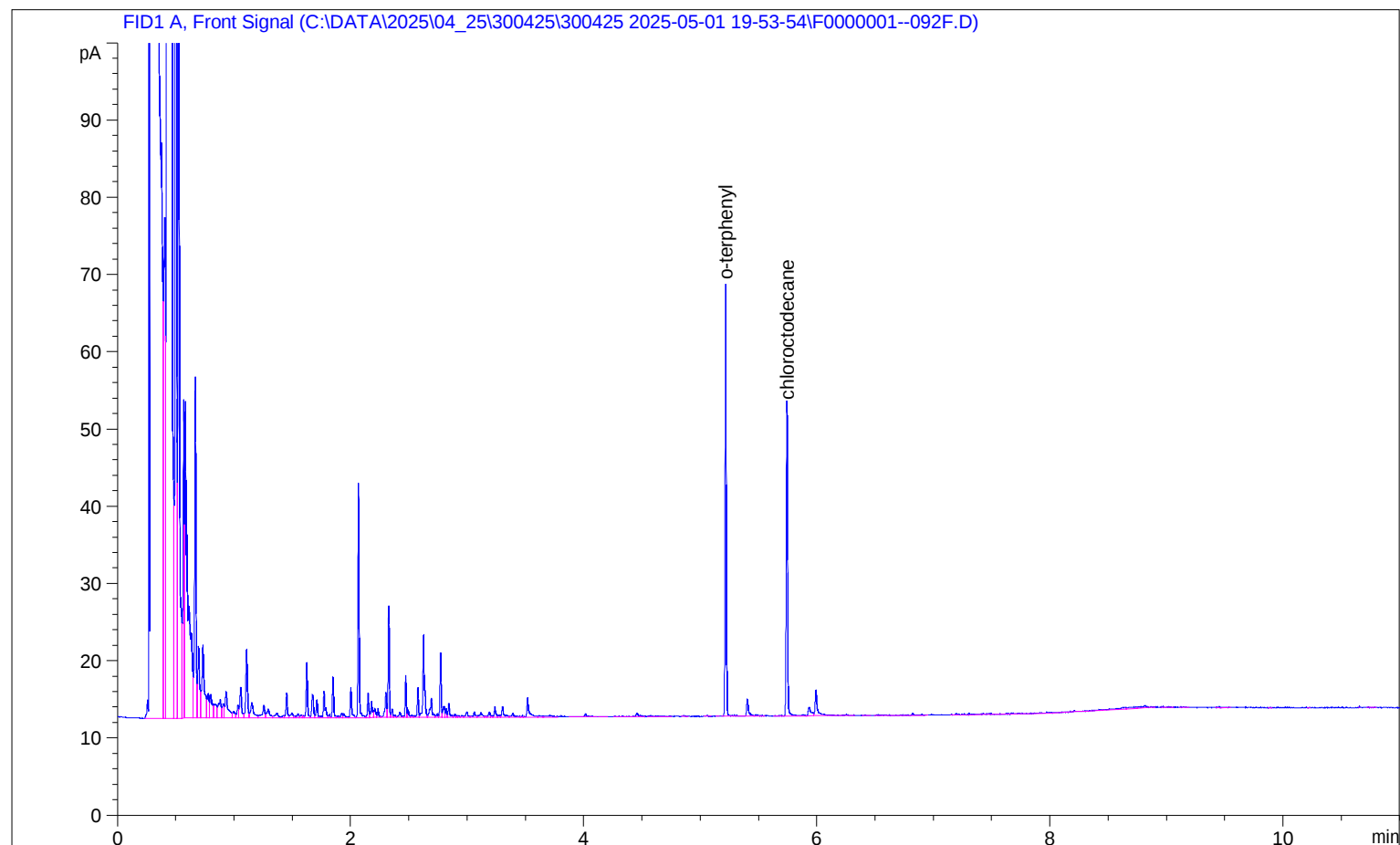
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 1697.84764           | 445.0772         |
| NEPM >C10-C16    | 868.35553            | 227.6325         |
| TRH C15-C28      | 51.74687             | 14.0959          |
| NEPM >C16-C34    | 31.60852             | 8.6102           |
| TRH C29-C36      | 6.65626              | 1.8343           |
| NEPM >C34-C40    | 5.99750              | 1.6528           |
| o-terphenyl      | 41.05961             | 9.8619           |
| chlorooctodecane | 32.81358             | 10.0218          |
| p-terphenyl d14  | 1.25477              | 0.3385           |

Totals : 719.1250

\*\*\* End of Report \*\*\*

Sample Name: w379259-12

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   92
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   37 (F)
Injection Date  : 02-May-25 5:59:39 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
                                           start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | BV   | 40.91691       | 2.40185e-1 | 9.82761          |     | o-terphenyl      |
| 5.742            | VB I | 33.47277       | 3.05415e-1 | 10.22308         |     | chlorooctodecane |

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|----------|------------------|-----|-----------------|
| 6.043            | -    | -              | -        | -                | -   | p-terphenyl d14 |

Totals : 20.05070

1 Warnings or Errors :

Warning : ISTD compound(s) not found

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 118.95777            | 31.1838          |
| NEPM >C10-C16 | 1.935               | 4.375             | 93.96140             | 24.6312          |
| TRH C15-C28   | 3.680               | 7.400             | 15.47953             | 4.2166           |
| NEPM >C16-C34 | 4.375               | 8.485             | 15.52436             | 4.2289           |
| TRH C29-C36   | 7.400               | 8.820             | 4.86741              | 1.3414           |
| NEPM >C34-C40 | 8.485               | 9.870             | 3.51441              | 0.9685           |

Totals : 66.5704

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

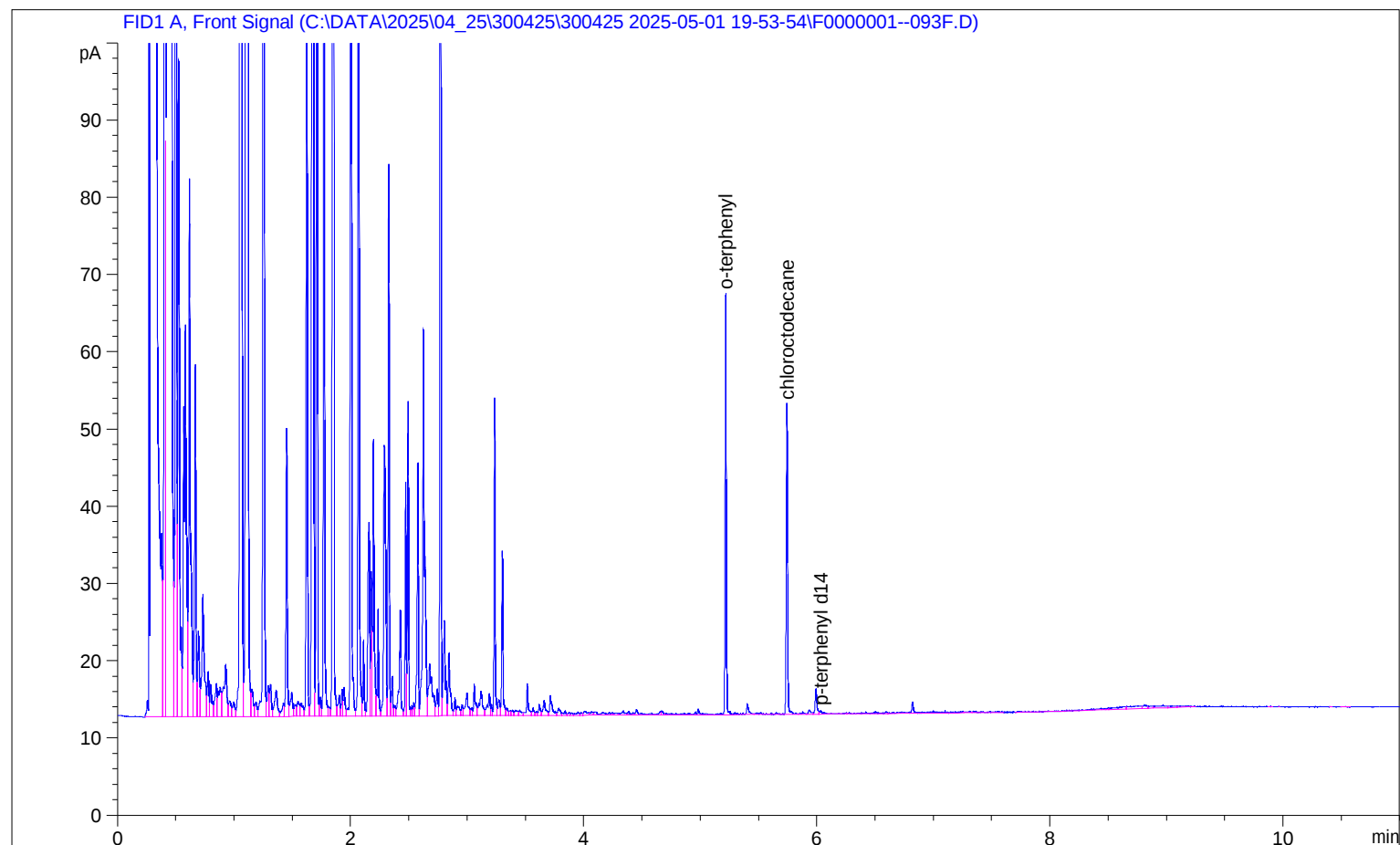
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 118.95777            | 31.1838          |
| NEPM >C10-C16    | 93.96140             | 24.6312          |
| TRH C15-C28      | 15.47953             | 4.2166           |
| NEPM >C16-C34    | 15.52436             | 4.2289           |
| TRH C29-C36      | 4.86741              | 1.3414           |
| NEPM >C34-C40    | 3.51441              | 0.9685           |
| o-terphenyl      | 40.91691             | 9.8276           |
| chlorooctodecane | 33.47277             | 10.2231          |
| p-terphenyl d14  | 0.00000              | 0.0000           |

Totals : 86.6211

\*\*\* End of Report \*\*\*

Sample Name: w379259-13

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   93
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   38 (F)
Injection Date  : 02-May-25 6:16:21 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
                                           start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | VV   | 39.74485       | 2.40185e-1 | 9.54610          |     | o-terphenyl      |
| 5.742            | VV I | 32.31124       | 3.05415e-1 | 9.86833          |     | chlorooctodecane |

Sample Name: w379259-13

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|------------|------------------|-----|-----------------|
| 6.032            | VV I | 8.07654e-1     | 2.69794e-1 | 2.17901e-1       |     | p-terphenyl d14 |

Totals : 19.63234

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 2024.54713           | 530.7188         |
| NEPM >C10-C16 | 1.935               | 4.375             | 884.83292            | 231.9519         |
| TRH C15-C28   | 3.680               | 7.400             | 36.27990             | 9.8827           |
| NEPM >C16-C34 | 4.375               | 8.485             | 25.44079             | 6.9301           |
| TRH C29-C36   | 7.400               | 8.820             | 9.27805              | 2.5569           |
| NEPM >C34-C40 | 8.485               | 9.870             | 9.87100              | 2.7203           |

Totals : 784.7606

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

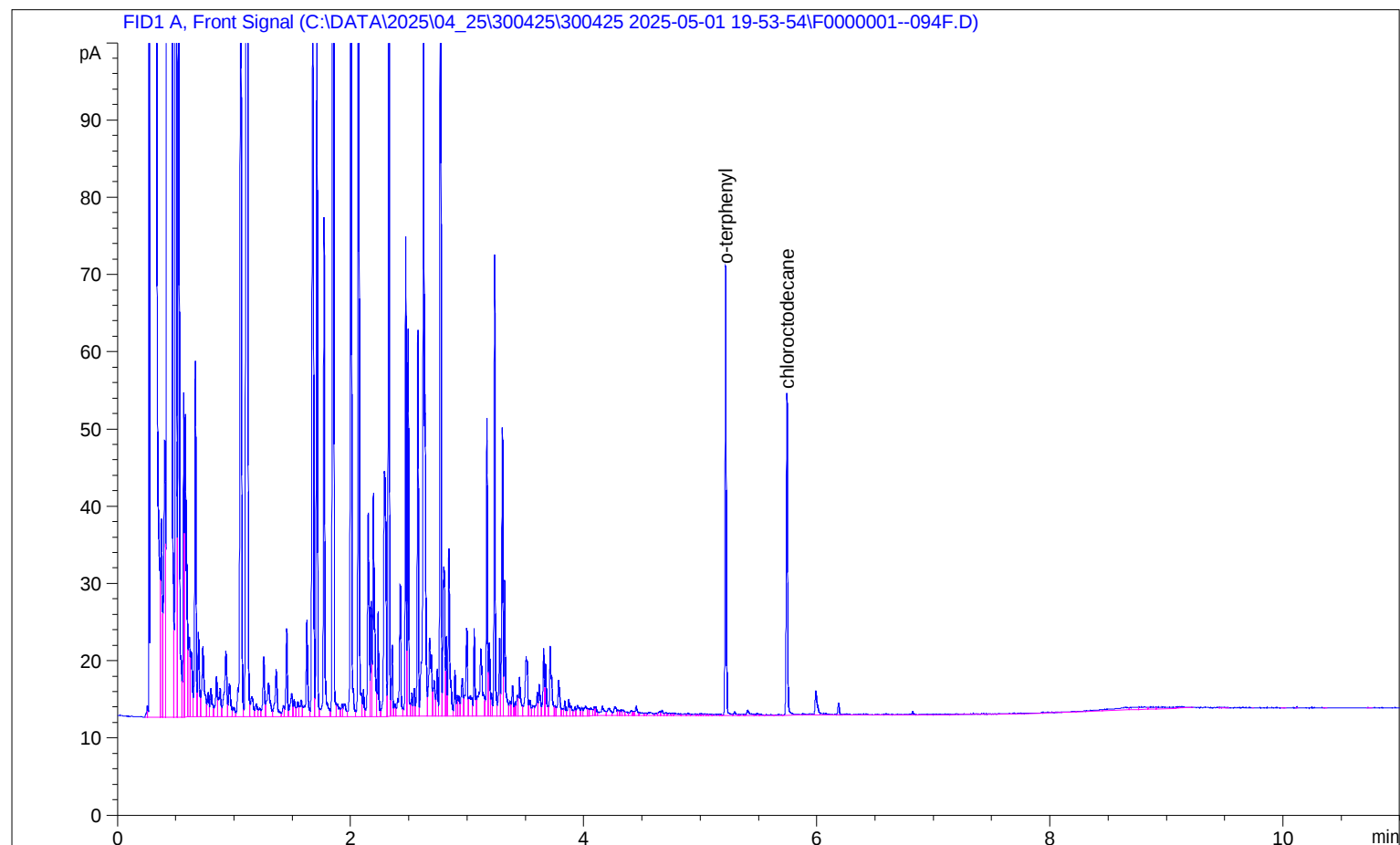
| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 2024.54713           | 530.7188         |
| NEPM >C10-C16    | 884.83292            | 231.9519         |
| TRH C15-C28      | 36.27990             | 9.8827           |
| NEPM >C16-C34    | 25.44079             | 6.9301           |
| TRH C29-C36      | 9.27805              | 2.5569           |
| NEPM >C34-C40    | 9.87100              | 2.7203           |
| o-terphenyl      | 39.74485             | 9.5461           |
| chlorooctodecane | 32.31124             | 9.8683           |
| p-terphenyl d14  | 8.07654e-1           | 0.2179           |

Totals : 804.3929

\*\*\* End of Report \*\*\*

Sample Name: w379259-14

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   94
Sample Operator : SYSTEM
Acq. Instrument : GC6                        Location  :   39 (F)
Injection Date  : 02-May-25 6:33:02 AM        Inj       :    1
                                           Inj Volume: 1 µl
Acq. Method     : C:\DATA\2025\04_25\300425\300425 2025-05-01 19-53-54\NEPM JPW H2 V7 50C
                                           start.M
Last changed    : 18-Mar-25 2:22:46 PM by SYSTEM
Analysis Method : C:\00 METHODS\2025\04_25\300425-F PROCESSING.M
Last changed    : 01-May-25 10:23:27 AM by SYSTEM
Method Info     : FAST TPH WITH 15M HP5 COLUMNS
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By      :      Signal
Calib. Data Modified : 01-May-25 10:03:03 AM
Multiplier     :      1.0000
Dilution       :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A, Front Signal

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area   | Amount<br>[mg/L] | Grp | Name             |
|------------------|------|----------------|------------|------------------|-----|------------------|
| 5.217            | VV   | 40.95660       | 2.40185e-1 | 9.83715          |     | o-terphenyl      |
| 5.742            | VV I | 33.49773       | 3.05415e-1 | 10.23071         |     | chlorooctadecane |

| RetTime<br>[min] | Type | Area<br>[pA*s] | Amt/Area | Amount<br>[mg/L] | Grp | Name            |
|------------------|------|----------------|----------|------------------|-----|-----------------|
| 6.043            | -    | -              | -        | -                | -   | p-terphenyl d14 |

Totals : 20.06785

1 Warnings or Errors :

Warning : ISTD compound(s) not found

Summed Peaks Report

Signal 1: FID1 A, Front Signal

Signal 1: FID1 A, Front Signal

| Name          | Start Time<br>[min] | End Time<br>[min] | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|---------------|---------------------|-------------------|----------------------|------------------|
| TRH C10-C14   | 1.340               | 3.680             | 1547.30032           | 405.6124         |
| NEPM >C10-C16 | 1.935               | 4.375             | 1105.57023           | 289.8164         |
| TRH C15-C28   | 3.680               | 7.400             | 73.68582             | 20.0721          |
| NEPM >C16-C34 | 4.375               | 8.485             | 30.14406             | 8.2113           |
| TRH C29-C36   | 7.400               | 8.820             | 9.11824              | 2.5128           |
| NEPM >C34-C40 | 8.485               | 9.870             | 9.88678              | 2.7246           |

Totals : 728.9496

Final Summed Peaks Report

Signal 1: FID1 A, Front Signal

| Name             | Total Area<br>[pA*s] | Amount<br>[mg/L] |
|------------------|----------------------|------------------|
| TRH C10-C14      | 1547.30032           | 405.6124         |
| NEPM >C10-C16    | 1105.57023           | 289.8164         |
| TRH C15-C28      | 73.68582             | 20.0721          |
| NEPM >C16-C34    | 30.14406             | 8.2113           |
| TRH C29-C36      | 9.11824              | 2.5128           |
| NEPM >C34-C40    | 9.88678              | 2.7246           |
| o-terphenyl      | 40.95660             | 9.8371           |
| chlorooctodecane | 33.49773             | 10.2307          |
| p-terphenyl d14  | 0.00000              | 0.0000           |

Totals : 749.0174

\*\*\* End of Report \*\*\*

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## **Appendix H**

Data Quality Report (QA/QC)

Chain of Custody (Field and Despatch)

Sample Receipts

## 1. Field and laboratory data quality assurance and quality control

The field and laboratory data quality assurance and quality control (QA/QC) procedures and results are summarised in the following Table 1. Reference should be made to the field work methodology and the laboratory results / certificates of analysis for further details. The relative percentage difference (RPD) results, along with the other field QC samples are included in the summary results tables below.

**Table 1: Field and laboratory quality control**

| Item                                | Evaluation / acceptance criteria                                                     | Compliance |
|-------------------------------------|--------------------------------------------------------------------------------------|------------|
| Analytical laboratories used        | NATA accreditation                                                                   | C          |
| Holding times                       | Various based on type of analysis                                                    | PC         |
| Intra-laboratory replicates         | 10% of primary samples (soil);<br>5% of primary samples (groundwater);<br><30% RPD   | C          |
| Inter-laboratory replicates         | 5% of primary samples (groundwater);<br><30% RPD                                     | PC         |
| Trip spikes                         | 1 per sampling event; 60-140% recovery                                               | PC         |
| Trip blanks                         | 1 per sampling event; <PQL                                                           | PC         |
| Rinsates                            | 1 per sampling event; <PQL                                                           | PC         |
| Laboratory / reagent blanks         | 1 per batch; <PQL                                                                    | C          |
| Laboratory duplicate                | 1 per lab batch; as laboratory certificate                                           | C          |
| Matrix spikes                       | 1 per lab batch; 70-130% recovery (inorganics);<br>60-140% recovery (organics)       | PC         |
| Surrogate spikes                    | All organics analysis; 70-130% recovery (inorganics);<br>60-140% recovery (organics) | PC         |
| Control samples                     | 1 per lab batch; 70-130% recovery (inorganics);<br>60-140% recovery (organics)       | PC         |
| Standard operating procedures (SOP) | Adopting SOP for all aspects of the sampling field work                              | C          |

Notes:

C = compliance; PC = partial compliance; NC = non-compliance

Refer to Section 1.6 for additional laboratory comments regarding anomalies with laboratory QA.

## 1.1 Holding Times

All laboratory testing was conducted within the recommended holding times except for the testing of total petroleum hydrocarbons (TPH) within groundwater samples which slightly exceeded the recommended holding times. Holding time for TPH analysis was exceeded as samples were initially tested for TRH then TPH if TRH was above detection limits, therefore the results of TPH analysis may be underestimated.

## 1.2 Intra-laboratory and Inter-laboratory Replicate Analysis

The RPD results were all within the acceptable range, with the exception of those indicated in Tables 2 and 3. The exceedances are not, however, considered to be of concern given that:

- The actual differences in the concentrations of the replicate pairs where RPD exceedances occurred were typically low;
- The replicate pairs were collected from fill soils which by its nature are heterogeneous;
- Replicates, rather than homogenised duplicates, were used to minimise risk of volatile loss, hence greater analytical variability between replicate pairs can be expected;
- Most of the recorded concentrations were relatively close to the PQL;
- The majority of RPD results from a replicate pair were within the acceptable limits; and
- All other QA/QC parameters met the data quality indicators.

In summary, the QC data is determined to be of sufficient quality to be considered acceptable for the assessment.

Table 2: Intra-laboratory Replicate Results (Soil)

|                                           |       | Lab Report Number | 378586      | 378586      |     |
|-------------------------------------------|-------|-------------------|-------------|-------------|-----|
|                                           |       | Field ID          | 304         | D3/SBK      |     |
|                                           |       | Date              | 14 Apr 2025 | 14 Apr 2025 | RPD |
|                                           |       | Matrix Type       | Soil        | Soil        |     |
|                                           | Unit  | PQL               |             |             |     |
| Inorganics                                |       |                   |             |             |     |
| pH 1:5 soil:water                         | -     |                   | 8.4         | 8.5         | 1   |
| Electrical Conductivity (Non Compensated) | µS/cm | 1                 | 21          | 29          | 32  |
| Metals                                    |       |                   |             |             |     |
| Arsenic                                   | mg/kg | 4                 | <4          | <4          | 0   |
| Beryllium                                 | mg/kg | 1                 | <1          | <1          | 0   |
| Boron                                     | mg/kg | 10                | <10         | <10         | 0   |
| Cadmium                                   | mg/kg | 0.4               | <0.4        | <0.4        | 0   |
| Chromium (III+VI)                         | mg/kg | 1                 | 16          | 12          | 29  |
| Cobalt                                    | mg/kg | 1                 | 10          | 5           | 67  |
| Copper                                    | mg/kg | 1                 | 10          | 15          | 40  |
| Iron                                      | mg/kg | 10                | 28,000      | 12,000      | 80  |
| Lead                                      | mg/kg | 1                 | 11          | 12          | 9   |
| Manganese                                 | mg/kg | 1                 | 290         | 120         | 83  |
| Mercury                                   | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Molybdenum                                | mg/kg | 1                 | <1          | <1          | 0   |
| Nickel                                    | mg/kg | 1                 | 11          | 6           | 59  |
| Selenium                                  | mg/kg | 2                 | <2          | <2          | 0   |
| Silver                                    | mg/kg | 1                 | <1          | <1          | 0   |
| Zinc                                      | mg/kg | 1                 | 57          | 49          | 15  |
| TRH                                       |       |                   |             |             |     |
| C6-C10 Fraction (F1)                      | mg/kg | 25                | <25         | <25         | 0   |
| C6-C10 (F1 minus BTEX)                    | mg/kg | 25                | <25         | <25         | 0   |
| >C10-C16 Fraction (F2)                    | mg/kg | 50                | <50         | <50         | 0   |
| >C10-C16 Fraction (F2 minus Naphthalene)  | mg/kg | 50                | <50         | <50         | 0   |
| >C16-C34 Fraction (F3)                    | mg/kg | 100               | <100        | <100        | 0   |
| >C34-C40 Fraction (F4)                    | mg/kg | 100               | <100        | <100        | 0   |
| >C10-C40 Fraction (Sum)                   | mg/kg | 50                | <50         | <50         | 0   |
| C6-C9 Fraction                            | mg/kg | 25                | <25         | <25         | 0   |
| C10-C14 Fraction                          | mg/kg | 50                | <50         | <50         | 0   |
| C15-C28 Fraction                          | mg/kg | 100               | <100        | <100        | 0   |
| C29-C36 Fraction                          | mg/kg | 100               | <100        | <100        | 0   |
| C10-C36 Fraction (Sum)                    | mg/kg | 50                | <50         | <50         | 0   |
| BTEX                                      |       |                   |             |             |     |
| Benzene                                   | mg/kg | 0.2               | <0.2        | <0.2        | 0   |
| Toluene                                   | mg/kg | 0.5               | <0.5        | <0.5        | 0   |
| Ethylbenzene                              | mg/kg | 1                 | <1          | <1          | 0   |
| Xylene (m & p)                            | mg/kg | 2                 | <2          | <2          | 0   |
| Xylene (o)                                | mg/kg | 1                 | <1          | <1          | 0   |
| Naphthalene (VOC)                         | mg/kg | 1                 | <1          | <1          | 0   |
| Xylene Total                              | mg/kg | 1                 | <1          | <1          | 0   |
| PAH                                       |       |                   |             |             |     |
| Acenaphthene                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Acenaphthylene                            | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Anthracene                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Benzo(a)anthracene                        | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Benzo(b+j+k)fluoranthene                  | mg/kg | 0.2               | <0.2        | <0.2        | 0   |
| Benzo(a) pyrene                           | mg/kg | 0.05              | <0.05       | <0.05       | 0   |
| Benzo(g,h,i)perylene                      | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Chrysene                                  | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Dibenz(a,h)anthracene                     | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Fluoranthene                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Fluorene                                  | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Indeno(1,2,3-c,d)pyrene                   | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Naphthalene                               | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Phenanthrene                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Pyrene                                    | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Benzo(a)pyrene TEQ calc (Half)            | mg/kg | 0.5               | <0.5        | <0.5        | 0   |
| Benzo(a)pyrene TEQ (LOR)                  | mg/kg | 0.5               | <0.5        | <0.5        | 0   |
| Benzo(a)pyrene TEQ calc (Zero)            | mg/kg | 0.5               | <0.5        | <0.5        | 0   |
| PAHs (Sum of positives)                   | mg/kg | 0.05              | <0.05       | <0.05       | 0   |
| Organochlorine Pesticides                 |       |                   |             |             |     |
| 4,4-DDE                                   | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| a-BHC                                     | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Aldrin                                    | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Aldrin + Dieldrin                         | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| b-BHC                                     | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Chlordane (cis)                           | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Chlordane (trans)                         | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| d-BHC                                     | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| DDD                                       | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| DDT                                       | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| DDT+DDE+DDD                               | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Dieldrin                                  | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Endosulfan I                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Endosulfan II                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Endosulfan sulphate                       | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Endrin                                    | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Endrin aldehyde                           | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| g-BHC (Lindane)                           | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Heptachlor                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Heptachlor epoxide                        | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Hexachlorobenzene                         | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Methoxychlor                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Mirex                                     | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Organophosphorous Pesticides              |       |                   |             |             |     |
| Azinophos methyl                          | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Bromophos-ethyl                           | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Chlorpyrifos                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Chlorpyrifos-methyl                       | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Coumaphos                                 | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Diazinon                                  | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Dichlorvos                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Dimethoate                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Disulfoton                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Ethion                                    | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Fenamiphos                                | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Fenitrothion                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Fenthion                                  | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Malathion                                 | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Methidathion                              | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Methyl parathion                          | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Mevinphos (Phosdrin)                      | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Parathion                                 | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Phorate                                   | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Ronnel                                    | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Phosalone                                 | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| PCBs                                      |       |                   |             |             |     |
| Arochlor 1016                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1221                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1232                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1242                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1248                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1254                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| Arochlor 1260                             | mg/kg | 0.1               | <0.1        | <0.1        | 0   |
| PCBs (Sum of total)                       | mg/kg | 0.1               | <0.1        | <0.1        | 0   |

Table 3: Intra-laboratory and Inter-laboratory Replicate Results (Water)

|                                           |       |         | Field ID          | 103         | D1/GW       |     | 103         | T1/GW       |
|-------------------------------------------|-------|---------|-------------------|-------------|-------------|-----|-------------|-------------|
|                                           |       |         | Date              | 28 Apr 2025 | 28 Apr 2025 |     | 28 Apr 2025 | 28 Apr 2025 |
|                                           |       |         | Matrix Type       | Water       | Water       |     | Water       | Water       |
|                                           |       |         | Lab Report Number | 379259      | 379259      | RPD | 379259      | ES2512330   |
|                                           |       |         |                   |             |             |     |             | RPD         |
|                                           | Unit  | PQL     |                   |             |             |     |             |             |
| Inorganics                                |       |         |                   |             |             |     |             |             |
| pH (Lab)                                  | -     |         |                   | 6.8         | 6.8         | 0   | 6.8         | -           |
| Electrical Conductivity (Non Compensated) | µS/cm | 1       |                   | 320         | 320         | 0   | 320         | -           |
| Metals                                    |       |         |                   |             |             |     |             |             |
| Aluminium (filtered)                      | mg/L  | 0.01    |                   | <0.01       | <0.01       | 0   | <0.01       | -           |
| Arsenic (filtered)                        | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.001      |
| Barium (filtered)                         | mg/L  | 0.001   |                   | -           | -           | -   | -           | 0.03        |
| Beryllium (filtered)                      | mg/L  | 0.0005  |                   | <0.0005     | <0.0005     | 0   | <0.0005     | <0.001      |
| Boron (filtered)                          | mg/L  | 0.02    |                   | 0.03        | 0.03        | 0   | 0.03        | <0.05       |
| Cadmium (filtered)                        | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Chromium (III+VI) (filtered)              | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.001      |
| Cobalt (filtered)                         | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.001      |
| Copper (filtered)                         | mg/L  | 0.001   |                   | 0.001       | 0.001       | 0   | 0.001       | 0.001       |
| Iron (filtered)                           | mg/L  | 0.01    |                   | <0.01       | <0.01       | 0   | <0.01       | -           |
| Lead (filtered)                           | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.001      |
| Manganese (filtered)                      | mg/L  | 0.001   |                   | 0.21        | 0.22        | 5   | 0.21        | 0.23        |
| Mercury (filtered)                        | mg/L  | 0.00005 |                   | <0.00005    | <0.00005    | 0   | <0.00005    | <0.0001     |
| Molybdenum (filtered)                     | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | -           |
| Nickel (filtered)                         | mg/L  | 0.001   |                   | 0.005       | 0.005       | 0   | 0.005       | 0.005       |
| Selenium (filtered)                       | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.01       |
| Silver (filtered)                         | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | -           |
| Vanadium (filtered)                       | mg/L  | 0.01    |                   | -           | -           | -   | -           | <0.01       |
| Zinc (filtered)                           | mg/L  | 0.001   |                   | 0.028       | 0.049       | 55  | 0.028       | 0.029       |
| TRH                                       |       |         |                   |             |             |     |             |             |
| C6-C10 Fraction (F1)                      | mg/L  | 0.01    |                   | <0.01       | <0.01       | 0   | <0.01       | <0.02       |
| C6-C10 (F1 minus BTEX)                    | mg/L  | 0.01    |                   | <0.01       | <0.01       | 0   | <0.01       | <0.02       |
| >C10-C16 Fraction (F2)                    | mg/L  | 0.05    |                   | <0.05       | <0.05       | 0   | <0.05       | <0.1        |
| >C10-C16 Fraction (F2 minus Naphthalene)  | mg/L  | 0.05    |                   | <0.05       | <0.05       | 0   | <0.05       | <0.1        |
| >C16-C34 Fraction (F3)                    | mg/L  | 0.1     |                   | <0.1        | <0.1        | 0   | <0.1        | <0.1        |
| >C34-C40 Fraction (F4)                    | mg/L  | 0.1     |                   | <0.1        | <0.1        | 0   | <0.1        | <0.1        |
| >C10-C40 Fraction (Sum)                   | mg/L  | 0.05    |                   | <0.05       | <0.05       | 0   | <0.05       | <0.1        |
| C6-C9 Fraction                            | mg/L  | 0.01    |                   | <0.01       | <0.01       | 0   | <0.01       | <0.02       |
| C10-C14 Fraction                          | mg/L  | 0.05    |                   | <0.05       | <0.05       | 0   | <0.05       | <0.05       |
| C15-C28 Fraction                          | mg/L  | 0.1     |                   | <0.1        | <0.1        | 0   | <0.1        | <0.1        |
| C29-C36 Fraction                          | mg/L  | 0.05    |                   | <0.1        | <0.1        | 0   | <0.1        | <0.05       |
| C10-C36 Fraction (Sum)                    | mg/L  | 0.05    |                   | <0.05       | <0.05       | 0   | <0.05       | <0.05       |
| BTEX                                      |       |         |                   |             |             |     |             |             |
| Benzene                                   | mg/L  | 0.00005 |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    |
| Toluene                                   | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0005     |
| Ethylbenzene                              | mg/L  | 0.00005 |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    |
| Xylene (m & p)                            | mg/L  | 0.00005 |                   | <0.0002     | <0.0002     | 0   | <0.0002     | <0.00005    |
| Xylene (o)                                | mg/L  | 0.00005 |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    |
| Naphthalene (VOC)                         | mg/L  | 0.001   |                   | <0.001      | <0.001      | 0   | <0.001      | <0.005      |
| Xylene Total                              | mg/L  | 0.002   |                   | -           | -           | -   | -           | <0.002      |
| Total BTEX                                | mg/L  | 0.00005 |                   | -           | -           | -   | -           | <0.00005    |
| PAH                                       |       |         |                   |             |             |     |             |             |
| 2-methylnaphthalene                       | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| 3-methylcholanthrene                      | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| 7,12-dimethylbenz(a)anthracene            | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| Acenaphthene                              | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Acenaphthylene                            | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Anthracene                                | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Coronene                                  | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| Benzo(a)anthracene                        | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Benzo(b+j+k)fluoranthene                  | mg/L  | 0.0002  |                   | <0.0002     | <0.0002     | 0   | <0.0002     | -           |
| Benzo(a) pyrene                           | mg/L  | 0.00005 |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    |
| Benzo(b+j)fluoranthene                    | mg/L  | 0.0001  |                   | -           | -           | -   | -           | <0.0001     |
| Benzo(e)pyrene                            | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| Benzo(g,h,i)perylene                      | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Benzo(k)fluoranthene                      | mg/L  | 0.0001  |                   | -           | -           | -   | -           | <0.0001     |
| Chrysene                                  | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Dibenz(a,h)anthracene                     | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Fluoranthene                              | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Fluorene                                  | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Indeno(1,2,3-c,d)pyrene                   | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Naphthalene                               | mg/L  | 0.00005 |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    |
| Phenanthrene                              | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Perylene                                  | µg/L  | 0.1     |                   | -           | -           | -   | -           | <0.1        |
| Pyrene                                    | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     |
| Benzo(a)pyrene TEQ calc (Zero)            | mg/L  | 0.00005 |                   | -           | -           | -   | -           | <0.00005    |
| PAHs (Sum of total)                       | mg/L  | 0.00005 |                   | -           | -           | -   | -           | <0.00005    |
| PAHs (Sum of positives)                   | mg/L  | 0.0001  |                   | <0.0001     | <0.0001     | 0   | <0.0001     | -           |

Table 4: Intra-laboratory and Inter-laboratory Replicate Results (Water) (Continued)

|                                                           |      | Field ID          | 103         | D1/GW       |     | 103         | T1/GW       |     |
|-----------------------------------------------------------|------|-------------------|-------------|-------------|-----|-------------|-------------|-----|
|                                                           |      | Date              | 28 Apr 2025 | 28 Apr 2025 |     | 28 Apr 2025 | 28 Apr 2025 |     |
|                                                           |      | Matrix Type       | Water       | Water       |     | Water       | Water       |     |
|                                                           |      | Lab Report Number | 379259      | 379259      | RPD | 379259      | ES2512330   | RPD |
|                                                           | Unit | PQL               |             |             |     |             |             |     |
| VOCs                                                      |      |                   |             |             |     |             |             |     |
| 1,1,1,2-tetrachloroethane                                 | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,1,1-trichloroethane                                     | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,1,2,2-tetrachloroethane                                 | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,1,2-trichloroethane                                     | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,1-dichloroethane                                        | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,1-dichloroethene                                        | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,1-dichloropropene                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,2,3-trichlorobenzene                                    | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,2,3-trichloropropane                                    | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,2,4-trichlorobenzene                                    | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,2,4-trimethylbenzene                                    | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| 1,2-dibromo-3-chloropropane                               | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| 1,2-dibromoethane                                         | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,2-dichlorobenzene                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| 1,2-dichloroethane                                        | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,2-Dichloroethene                                        | µg/L | 0.1               | -           | -           | -   | -           | <0.10       | -   |
| 1,2-dichloropropane                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 1,3,5-trimethylbenzene                                    | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| 1,3-dichlorobenzene                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| 1,3-dichloropropane                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| 1,4-dichlorobenzene                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| 2,2-dichloropropane                                       | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| Trihalomethanes                                           | mg/L | 0.0001            | -           | -           | -   | -           | <0.00010    | -   |
| 2-chlorotoluene                                           | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| 4-chlorotoluene                                           | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| Benzyl chloride                                           | mg/L | 0.0002            | -           | -           | -   | -           | <0.0002     | -   |
| Bromobenzene                                              | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| Bromochloromethane                                        | mg/L | 0.0005            | <0.0005     | <0.0005     | 0   | <0.0005     | <0.0005     | 0   |
| Bromodichloromethane                                      | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| Bromoform                                                 | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| Bromomethane                                              | mg/L | 0.0005            | <0.002      | <0.002      | 0   | <0.002      | <0.0005     | 0   |
| Carbon tetrachloride                                      | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| Chlorobenzene                                             | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| Chlorodibromomethane                                      | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00010    | 0   |
| Chloroethane                                              | mg/L | 0.0005            | <0.002      | <0.002      | 0   | <0.002      | <0.0005     | 0   |
| Chloroform                                                | mg/L | 0.0001            | <0.0005     | <0.0005     | 0   | <0.0005     | <0.00010    | 0   |
| Chloromethane                                             | mg/L | 0.002             | <0.002      | <0.002      | 0   | <0.002      | -           | -   |
| cis-1,2-dichloroethene                                    | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| cis-1,3-dichloropropene                                   | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| Cyclohexane                                               | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| Dibromomethane                                            | mg/L | 0.0005            | <0.0005     | <0.0005     | 0   | <0.0005     | -           | -   |
| Dichlorodifluoromethane                                   | mg/L | 0.0005            | <0.002      | <0.002      | 0   | <0.002      | <0.0005     | 0   |
| Dichloromethane                                           | µg/L | 1                 | -           | -           | -   | -           | <1.0        | -   |
| Hexachlorobutadiene                                       | mg/L | 0.00004           | <0.0002     | <0.0002     | 0   | <0.0002     | <0.00004    | 0   |
| Isopropylbenzene                                          | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| MTBE                                                      | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| n-butylbenzene                                            | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| n-propylbenzene                                           | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| p-isopropyltoluene                                        | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| sec-butylbenzene                                          | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| Styrene                                                   | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| Trichloroethene                                           | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| tert-butylbenzene                                         | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | -           | -   |
| Tetrachloroethene                                         | mg/L | 0.00005           | <0.0001     | <0.0001     | 0   | <0.0001     | <0.00005    | 0   |
| trans-1,2-dichloroethene                                  | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| trans-1,3-dichloropropene                                 | mg/L | 0.0001            | <0.0001     | <0.0001     | 0   | <0.0001     | <0.0001     | 0   |
| Trichlorobenzene (total)                                  | mg/L | 0.0001            | -           | -           | -   | -           | <0.0001     | -   |
| Trichlorofluoromethane                                    | mg/L | 0.0005            | <0.002      | <0.002      | 0   | <0.002      | <0.0005     | 0   |
| Vinyl chloride                                            | mg/L | 0.0002            | <0.0002     | <0.0002     | 0   | <0.0002     | <0.0003     | 0   |
| PFAS                                                      |      |                   |             |             |     |             |             |     |
| Perfluoropropanesulfonic acid (PFPrS)                     | µg/L | 0.01              | -           | -           | -   | -           | <0.01       | -   |
| Perfluorobutane sulfonic acid (PFBS)                      | mg/L | 0.000001          | 0.00002     | 0.000018    | 11  | 0.00002     | 0.000013    | 42  |
| Perfluoropentane sulfonic acid (PFPeS)                    | mg/L | 0.000001          | 0.000011    | 0.00001     | 10  | 0.000011    | 0.000014    | 24  |
| Perfluorohexane sulfonic acid (PFHxS)                     | mg/L | 0.000001          | 0.00011     | 0.00011     | 0   | 0.00011     | 0.000097    | 13  |
| Perfluoroheptane sulfonic acid (PFHpS)                    | mg/L | 0.000001          | 0.000006    | 0.000006    | 0   | 0.000006    | 0.000007    | 15  |
| Perfluorooctane sulfonic acid (PFOS)                      | mg/L | 0.000001          | 0.00029     | 0.00025     | 15  | 0.00029     | 0.00031     | 7   |
| Perfluorodecane sulfonic acid (PFDS)                      | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| Perfluorobutanoic acid (PFBA)                             | mg/L | 0.000002          | 0.00002     | <0.00001    | 67  | 0.00002     | 0.00001     | 67  |
| Perfluorohexanoic acid (PFHxA)                            | mg/L | 0.000001          | 0.000004    | 0.000003    | 29  | 0.000004    | 0.000004    | 0   |
| Perfluoropentanoic acid (PFPeA)                           | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| Perfluoroheptanoic acid (PFHpA)                           | mg/L | 0.000001          | 0.000004    | 0.000005    | 22  | 0.000004    | 0.000003    | 29  |
| Perfluorooctanoic acid (PFOA)                             | mg/L | 0.000001          | 0.000016    | 0.000015    | 6   | 0.000016    | 0.000015    | 6   |
| Perfluorodecanoic acid (PFDA)                             | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| Perfluorododecanoic acid (PFDoDA)                         | mg/L | 0.000002          | <0.000005   | <0.000005   | 0   | <0.000005   | <0.000002   | 0   |
| Perfluorononanoic acid (PFNA)                             | mg/L | 0.000001          | 0.000003    | 0.000003    | 0   | 0.000003    | 0.000004    | 29  |
| Perfluorotetradecanoic acid (PFTeDA)                      | mg/L | 0.000005          | <0.00005    | <0.00005    | 0   | <0.00005    | <0.000005   | 0   |
| Perfluorotridecanoic acid (PFTTrDA)                       | mg/L | 0.000002          | <0.00001    | <0.00001    | 0   | <0.00001    | <0.000002   | 0   |
| Perfluoroundecanoic acid (PFUnDA)                         | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| 4:2 Fluorotelomer sulfonic acid (4:2 FTS)                 | mg/L | 0.000001          | <0.000001   | <0.000001   | 0   | <0.000001   | <0.000005   | 0   |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS)                 | mg/L | 0.000001          | <0.000001   | 0.000005    | 133 | <0.000001   | <0.000005   | 0   |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS)                 | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000005   | 0   |
| 10:2 Fluorotelomer sulfonic acid (10:2 FTS)               | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000005   | 0   |
| Perfluorooctane sulfonamide (FOSA)                        | mg/L | 0.000002          | <0.00001    | <0.00001    | 0   | <0.00001    | <0.000002   | 0   |
| N-Methyl perfluorooctane sulfonamide (MeFOSA)             | mg/L | 0.000005          | <0.00005    | <0.00005    | 0   | <0.00005    | <0.000005   | 0   |
| N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)      | mg/L | 0.000005          | <0.00005    | <0.00005    | 0   | <0.00005    | <0.000005   | 0   |
| N-Ethyl perfluorooctane sulfonamide (EtFOSA)              | mg/L | 0.000005          | <0.0001     | <0.0001     | 0   | <0.0001     | <0.000005   | 0   |
| N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)  | mg/L | 0.000002          | <0.000002   | <0.000002   | 0   | <0.000002   | <0.000002   | 0   |
| N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)       | mg/L | 0.000005          | <0.0005     | <0.0005     | 0   | <0.0005     | <0.000005   | 0   |
| Perfluolohexadecanoic acid (PFHxDA)                       | µg/L | 0.005             | -           | -           | -   | -           | <0.005      | -   |
| Sum of PFHxS and PFOS                                     | mg/L | 0.000001          | 0.0004      | 0.00036     | 11  | 0.0004      | 0.000407    | 2   |
| Sum of PFAS                                               | mg/L | 0.000001          | 0.00048     | 0.00043     | 11  | 0.00048     | 0.000477    | 1   |
| Sum of PFAS (WA DER List)                                 | µg/L | 0.002             | -           | -           | -   | -           | 0.452       | -   |
| Sum of PFAS (PFOS + PFOA)                                 | mg/L | 0.000001          | 0.0003      | 0.00027     | 11  | 0.0003      | -           | -   |

### 1.3 Trip (Field) Blank

The purpose of a trip blank is to assess the potential for transfer of contaminants into samples to have occurred between the time of collection and analysis of the sample by the laboratory. Laboratory prepared field blanks were taken out to the field unopened, subjected to the same preservation methods as the field samples, then analysed for the purposes of determining whether transfer of contaminants into the blank sample had occurred prior to reaching the laboratory. The results of the laboratory analysis for the field blanks are shown in Table 5.

**Table 5: Trip Blank Results (water – µg/L)**

| Sample ID (Matrix) | Date     | Benzene | Toluene | Ethylbenzene | M + P Xylene | O Xylene | Naphthalene | C6-C9 TRH | C6-C10 TRH | C6-C10 (Fl) TRH |
|--------------------|----------|---------|---------|--------------|--------------|----------|-------------|-----------|------------|-----------------|
| TBI/GW             | 29.04.25 | <1      | <1      | <1           | <2           | <1       | <1          | <10       | <10        | <10             |

The concentrations of the analytes were all below laboratory detection limits indicating that significant cross contamination had not occurred during the course of the round trip from the site to the laboratory.

### 1.4 Trip Spike

The purpose of a trip spike is to assess the potential for loss of volatile analytes to have occurred between the time of collection and analysis of the sample by the laboratory.

The generally acceptance limit for trip spikes is 60-140% in difference compared to the control or standard.

The results of the laboratory analysis for the water trip spikes are shown in Table 6.

**Table 6: Trip Spike Results (% Recovery)**

| Sample ID | Matrix | Date     | Benzene | Toluene | Ethylbenzene | M + P Xylene | O Xylene |
|-----------|--------|----------|---------|---------|--------------|--------------|----------|
| TS1/GW    | Water  | 29.04.25 | 115     | 117     | 104          | 107          | 108      |

Results indicate that the percentage loss for BTEX during field work was within the acceptance limits and therefore appropriate preservation techniques were employed.

### 1.5 Rinsate

The results of equipment rinsate samples are provided in Table 7.

Table 7: Rinsate Results

| Lab Report Number                         |       |         | 379259      |
|-------------------------------------------|-------|---------|-------------|
| Field ID                                  |       |         | R1/GW       |
| Date                                      |       |         | 29 Apr 2025 |
| Matrix Type                               |       |         | Water       |
|                                           | Unit  | PQL     |             |
| Inorganics                                |       |         |             |
| pH (Lab)                                  | -     |         | 7.3         |
| Electrical Conductivity (Non Compensated) | µS/cm | 1       | 3           |
| Metals                                    |       |         |             |
| Aluminium (filtered)                      | mg/L  | 0.01    | <0.01       |
| Arsenic (filtered)                        | mg/L  | 0.001   | <0.001      |
| Beryllium (filtered)                      | mg/L  | 0.0005  | <0.0005     |
| Boron (filtered)                          | mg/L  | 0.02    | <0.02       |
| Cadmium (filtered)                        | mg/L  | 0.0001  | <0.0001     |
| Chromium (III+VI) (filtered)              | mg/L  | 0.001   | <0.001      |
| Cobalt (filtered)                         | mg/L  | 0.001   | <0.001      |
| Copper (filtered)                         | mg/L  | 0.001   | <0.001      |
| Iron (filtered)                           | mg/L  | 0.01    | <0.01       |
| Lead (filtered)                           | mg/L  | 0.001   | <0.001      |
| Manganese (filtered)                      | mg/L  | 0.005   | <0.005      |
| Mercury (filtered)                        | mg/L  | 0.00005 | <0.00005    |
| Molybdenum (filtered)                     | mg/L  | 0.001   | <0.001      |
| Nickel (filtered)                         | mg/L  | 0.001   | <0.001      |
| Selenium (filtered)                       | mg/L  | 0.001   | <0.001      |
| Silver (filtered)                         | mg/L  | 0.001   | <0.001      |
| Zinc (filtered)                           | mg/L  | 0.001   | <0.001      |
| TRH                                       |       |         |             |
| C6-C10 Fraction (F1)                      | mg/L  | 0.01    | <0.01       |
| C6-C10 (F1 minus BTEX)                    | mg/L  | 0.01    | <0.01       |
| >C10-C16 Fraction (F2)                    | mg/L  | 0.05    | <0.05       |
| >C10-C16 Fraction (F2 minus Naphthalene)  | mg/L  | 0.05    | <0.05       |
| >C16-C34 Fraction (F3)                    | mg/L  | 0.1     | <0.1        |
| >C34-C40 Fraction (F4)                    | mg/L  | 0.1     | <0.1        |
| >C10-C40 Fraction (Sum)                   | mg/L  | 0.05    | <0.05       |
| C6-C9 Fraction                            | mg/L  | 0.01    | <0.01       |
| C10-C14 Fraction                          | mg/L  | 0.05    | <0.05       |
| C15-C28 Fraction                          | mg/L  | 0.1     | <0.1        |
| C29-C36 Fraction                          | mg/L  | 0.1     | <0.1        |
| C10-C36 Fraction (Sum)                    | mg/L  | 0.05    | <0.05       |
| BTEX                                      |       |         |             |
| Benzene                                   | mg/L  | 0.0001  | <0.0001     |
| Toluene                                   | mg/L  | 0.0001  | <0.0001     |
| Ethylbenzene                              | mg/L  | 0.0001  | <0.0001     |
| Xylene (m & p)                            | mg/L  | 0.0002  | <0.0002     |
| Xylene (o)                                | mg/L  | 0.0001  | <0.0001     |
| Naphthalene (VOC)                         | mg/L  | 0.001   | <0.001      |
| PAH                                       |       |         |             |
| Acenaphthene                              | mg/L  | 0.0001  | <0.0001     |
| Acenaphthylene                            | mg/L  | 0.0001  | <0.0001     |
| Anthracene                                | mg/L  | 0.0001  | <0.0001     |
| Benzo(a)anthracene                        | mg/L  | 0.0001  | <0.0001     |
| Benzo(b+j+k)fluoranthene                  | mg/L  | 0.0002  | <0.0002     |
| Benzo(a) pyrene                           | mg/L  | 0.0001  | <0.0001     |
| Benzo(g,h,i)perylene                      | mg/L  | 0.0001  | <0.0001     |
| Chrysene                                  | mg/L  | 0.0001  | <0.0001     |
| Dibenz(a,h)anthracene                     | mg/L  | 0.0001  | <0.0001     |
| Fluoranthene                              | mg/L  | 0.0001  | <0.0001     |
| Fluorene                                  | mg/L  | 0.0001  | <0.0001     |
| Indeno(1,2,3-c,d)pyrene                   | mg/L  | 0.0001  | <0.0001     |
| Naphthalene                               | mg/L  | 0.0001  | <0.0001     |
| Phenanthrene                              | mg/L  | 0.0001  | <0.0001     |
| Pyrene                                    | mg/L  | 0.0001  | <0.0001     |
| PAHs (Sum of positives)                   | mg/L  | 0.0001  | <0.0001     |

| Lab Report Number                                         |      |          | 379259      |
|-----------------------------------------------------------|------|----------|-------------|
| Field ID                                                  |      |          | R1/GW       |
| Date                                                      |      |          | 29 Apr 2025 |
| Matrix Type                                               |      |          | Water       |
|                                                           | Unit | PQL      |             |
| VOCs                                                      |      |          |             |
| 1,1,1,2-tetrachloroethane                                 | mg/L | 0.0001   | <0.0001     |
| 1,1,1-trichloroethane                                     | mg/L | 0.0001   | <0.0001     |
| 1,1,2,2-tetrachloroethane                                 | mg/L | 0.0001   | <0.0001     |
| 1,1,2-trichloroethane                                     | mg/L | 0.0001   | <0.0001     |
| 1,1-dichloroethane                                        | mg/L | 0.0001   | <0.0001     |
| 1,1-dichloroethene                                        | mg/L | 0.0001   | <0.0001     |
| 1,1-dichloropropene                                       | mg/L | 0.0001   | <0.0001     |
| 1,2,3-trichlorobenzene                                    | mg/L | 0.0001   | <0.0001     |
| 1,2,3-trichloropropane                                    | mg/L | 0.0001   | <0.0001     |
| 1,2,4-trichlorobenzene                                    | mg/L | 0.0001   | <0.0001     |
| 1,2,4-trimethylbenzene                                    | mg/L | 0.0001   | <0.0001     |
| 1,2-dibromo-3-chloropropane                               | mg/L | 0.0001   | <0.0001     |
| 1,2-dibromoethane                                         | mg/L | 0.0001   | <0.0001     |
| 1,2-dichlorobenzene                                       | mg/L | 0.0001   | <0.0001     |
| 1,2-dichloroethane                                        | mg/L | 0.0001   | <0.0001     |
| 1,2-dichloropropane                                       | mg/L | 0.0001   | <0.0001     |
| 1,3,5-trimethylbenzene                                    | mg/L | 0.0001   | <0.0001     |
| 1,3-dichlorobenzene                                       | mg/L | 0.0001   | <0.0001     |
| 1,3-dichloropropane                                       | mg/L | 0.0001   | <0.0001     |
| 1,4-dichlorobenzene                                       | mg/L | 0.0001   | <0.0001     |
| 2,2-dichloropropane                                       | mg/L | 0.0001   | <0.0001     |
| 2-chlorotoluene                                           | mg/L | 0.0001   | <0.0001     |
| 4-chlorotoluene                                           | mg/L | 0.0001   | <0.0001     |
| Bromobenzene                                              | mg/L | 0.0001   | <0.0001     |
| Bromochloromethane                                        | mg/L | 0.0005   | <0.0005     |
| Bromodichloromethane                                      | mg/L | 0.0001   | <0.0001     |
| Bromoform                                                 | mg/L | 0.0001   | <0.0001     |
| Bromomethane                                              | mg/L | 0.002    | <0.002      |
| Carbon tetrachloride                                      | mg/L | 0.0001   | <0.0001     |
| Chlorobenzene                                             | mg/L | 0.0001   | <0.0001     |
| Chlorodibromomethane                                      | mg/L | 0.0001   | <0.0001     |
| Chloroethane                                              | mg/L | 0.002    | <0.002      |
| Chloroform                                                | mg/L | 0.0005   | <0.0005     |
| Chloromethane                                             | mg/L | 0.002    | <0.002      |
| cis-1,2-dichloroethene                                    | mg/L | 0.0001   | <0.0001     |
| cis-1,3-dichloropropene                                   | mg/L | 0.0001   | <0.0001     |
| Cyclohexane                                               | mg/L | 0.0001   | 0.0001      |
| Dibromomethane                                            | mg/L | 0.0005   | <0.0005     |
| Dichlorodifluoromethane                                   | mg/L | 0.002    | <0.002      |
| Hexachlorobutadiene                                       | mg/L | 0.0002   | <0.0002     |
| Isopropylbenzene                                          | mg/L | 0.0001   | <0.0001     |
| MTBE                                                      | mg/L | 0.0001   | <0.0001     |
| n-butylbenzene                                            | mg/L | 0.0001   | <0.0001     |
| n-propylbenzene                                           | mg/L | 0.0001   | <0.0001     |
| p-isopropyltoluene                                        | mg/L | 0.0001   | <0.0001     |
| sec-butylbenzene                                          | mg/L | 0.0001   | <0.0001     |
| Styrene                                                   | mg/L | 0.0001   | <0.0001     |
| Trichloroethene                                           | mg/L | 0.0001   | <0.0001     |
| tert-butylbenzene                                         | mg/L | 0.0001   | <0.0001     |
| Tetrachloroethene                                         | mg/L | 0.0001   | <0.0001     |
| trans-1,2-dichloroethene                                  | mg/L | 0.0001   | <0.0001     |
| trans-1,3-dichloropropene                                 | mg/L | 0.0001   | <0.0001     |
| Trichlorofluoromethane                                    | mg/L | 0.002    | <0.002      |
| Vinyl chloride                                            | mg/L | 0.0002   | <0.0002     |
| PFAS                                                      |      |          |             |
| Perfluorobutane sulfonic acid (PFBS)                      | mg/L | 0.000001 | <0.000001   |
| Perfluoropentane sulfonic acid (PFPeS)                    | mg/L | 0.000001 | <0.000001   |
| Perfluorohexane sulfonic acid (PFHxS)                     | mg/L | 0.000001 | <0.000001   |
| Perfluoroheptane sulfonic acid (PFHpS)                    | mg/L | 0.000001 | <0.000001   |
| Perfluorooctane sulfonic acid (PFOS)                      | mg/L | 0.000001 | <0.000001   |
| Perfluorodecane sulfonic acid (PFDS)                      | mg/L | 0.000002 | <0.000002   |
| Perfluorobutanoic acid (PFBA)                             | mg/L | 0.000002 | <0.000002   |
| Perfluorohexanoic acid (PFHxA)                            | mg/L | 0.000001 | <0.000001   |
| Perfluoropentanoic acid (PFPeA)                           | mg/L | 0.000002 | <0.000002   |
| Perfluoroheptanoic acid (PFHpA)                           | mg/L | 0.000001 | <0.000001   |
| Perfluorooctanoic acid (PFOA)                             | mg/L | 0.000001 | <0.000001   |
| Perfluorodecanoic acid (PFDA)                             | mg/L | 0.000002 | <0.000002   |
| Perfluorododecanoic acid (PFDoDA)                         | mg/L | 0.000005 | <0.000005   |
| Perfluorononanoic acid (PFNA)                             | mg/L | 0.000001 | <0.000001   |
| Perfluorotetradecanoic acid (PFTeDA)                      | mg/L | 0.000005 | <0.000005   |
| Perfluorotridecanoic acid (PFTriDA)                       | mg/L | 0.000001 | <0.000001   |
| Perfluoroundecanoic acid (PFUnDA)                         | mg/L | 0.000002 | <0.000002   |
| 4:2 Fluorotelomer sulfonic acid (4:2 FTS)                 | mg/L | 0.000001 | <0.000001   |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS)                 | mg/L | 0.000001 | <0.000001   |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS)                 | mg/L | 0.000002 | <0.000002   |
| 10:2 Fluorotelomer sulfonic acid (10:2 FTS)               | mg/L | 0.000002 | <0.000002   |
| Perfluorooctane sulfonamide (FOSA)                        | mg/L | 0.00001  | <0.00001    |
| N-Methyl perfluorooctane sulfonamide (MeFOSA)             | mg/L | 0.00005  | <0.00005    |
| N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) | mg/L | 0.000002 | <0.000002   |
| N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)      | mg/L | 0.00005  | <0.00005    |
| N-Ethyl perfluorooctane sulfonamide (EtFOSA)              | mg/L | 0.0001   | <0.0001     |
| N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)  | mg/L | 0.000002 | <0.000002   |
| N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)       | mg/L | 0.00005  | <0.00005    |
| Sum of PFHxS and PFOS                                     | mg/L | 0.000001 | <0.000001   |
| Sum of PFAS                                               | mg/L | 0.000001 | <0.000001   |
| Sum of PFAS (PFOS + PFOA)                                 | mg/L | 0.000001 | <0.000001   |

## 1.6 **Additional Laboratory Comments**

A summary of pertinent comments related to QA made in the laboratory reports are summarised in Table 7.

**Table 7: Summary of Laboratory QA Comments**

| Laboratory Report | Media                    | Laboratory Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Discussion                                                                                                                                                                                                                                                                                              |
|-------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 378428-A          | Water<br>(Surface Water) | For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).                                                                                                                                                                                                                                                                                                                   | Generally low PFAS concentrations were identified within surface water samples. The raising of the PQL is considered acceptable.                                                                                                                                                                        |
| 378586            | Soil / Sediment          | VOC_S_LL / TRH_BTEx_S_V_NEPM: # The percent recovery for the surrogate/matrix spike is not possible to report as the high concentration of analytes in sample/s 378586-5ms have caused interference.<br>vTRH & BTEX in Soil NEPM – The RPD for duplicate results is accepted due to the non-homogenous nature of sample 378586-2.                                                                                                                                                                                                                      | Hydrocarbon impacts were observed in the sample provided to the laboratory which may have caused interference with the laboratory equipment. The QA comment is not considered to be significant.                                                                                                        |
|                   |                          | Acid Extractable Metals in Soil:<br>-The laboratory RPD acceptance criteria has been exceeded for 378586-2 for Mn. Therefore a triplicate result has been issued as laboratory sample number 378586-18.<br>-# Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.<br>-## Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS. | Spike recover for sample 378586-5 were not able to be reported due to high concentrations in the sample. Concentrations of metals were found to be below the adopted criteria, therefore this not considered to be significant.                                                                         |
|                   |                          | MISC_INORG_DRY: pH/EC: Samples were out of the recommended holding time for this analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sampling was undertaken over several days which prevented direct despatch to the laboratory. The holding time exceedance is considered to be minor.                                                                                                                                                     |
| 378586-B          | Soil                     | TPH Silica Gel Cleanup: Holding time exceedance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sampling was undertaken over several days which prevented direct despatch to the laboratory. Samples were also tested for TRH prior to testing TPH silica gel cleanup. The holding time exceedance is considered to be minor.                                                                           |
| 378827            | Soil                     | MISC_INORG_DRY: pH/EC: Samples were out of the recommended holding time for this analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sampling was undertaken over several days which prevented direct despatch to the laboratory. The holding time exceedance is considered to be minor.                                                                                                                                                     |
| 379259            | Water<br>(Groundwater)   | Total metals: no unfiltered, preserved sample was received, therefore analysis was conducted from the unpreserved sample bottle. Note: there is a possibility some elements may be underestimated.                                                                                                                                                                                                                                                                                                                                                     | Filtered / preserved bottles were provided to the laboratory for analysis of dissolved metals. One sample was also tested for extra analytes including total phosphorus. As the metal results were generally analysed from the filtered bottles, the QA exceedance is not considered to be significant. |
|                   |                          | VOC_W_LL: The PQL for sample/s 379259-7,10,11,13,14 has been raised due to the high concentration of analytes in the samples, resulting in the samples requiring a dilution.                                                                                                                                                                                                                                                                                                                                                                           | Hydrocarbon impacts were observed in the samples tested causing to high concentrations of volatiles. The laboratory comment therefore not considered to be significant.                                                                                                                                 |
|                   |                          | For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).                                                                                                                                                                                                                                                                                                                   | The PQL has been raised for some samples. As PFAS was detected at concentrations above the adopted criteria for most samples, the raising of the PQL is not considered to be significant.                                                                                                               |
| 379259-A          | Water<br>(Groundwater)   | TPH Silica Gel Cleanup: Holding time exceedance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sampling was undertaken over several days which prevented direct despatch to the laboratory. Samples were also tested for TRH prior to testing TPH silica gel cleanup. The holding time exceedance is considered to be minor.                                                                           |

Overall, the number of anomalies noted by the laboratory are relatively small compared to the number of samples analysed. The QC data is determined to be of sufficient quality to be considered acceptable for the assessment.

## 2. Data Quality Indicators

The reliability of field procedures and analytical results was assessed against the following data quality indicators (DQI) as outlined in NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013):

- Completeness: a measure of the amount of usable data from a data collection activity;
- Comparability: the confidence (qualitative) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness: the confidence (qualitative) of data representativeness of media present on-site;
- Precision: a measure of variability or reproducibility of data; and
- Accuracy: a measure of closeness of the data to the 'true' value.

The results of the assessment are summarised in Table 2.

**Table 8: Data quality indicators**

| <b>Data quality indicator</b> | <b>Method(s) of achievement</b>                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Completeness                  | Systematic and selected target locations sampled.                                                                                  |
|                               | Preparation of borehole logs, sample location plan and chain of custody records.                                                   |
|                               | Preparation of field groundwater sampling sheets.                                                                                  |
|                               | Laboratory sample receipt information received confirming receipt of samples intact and appropriateness of the chain of custody.   |
|                               | Samples analysed for contaminants of potential concern (CoPC) identified in the conceptual site model (CSM).                       |
|                               | Completion of chain of custody documentation.                                                                                      |
|                               | NATA accredited laboratory results certificates provided by the laboratory.                                                        |
|                               | Satisfactory frequency and results for field and laboratory quality control (QC) samples as discussed in Section 1.                |
| Comparability                 | Using appropriate techniques for sample recovery, storage and transportation, which were the same for the duration of the project. |
|                               | Experienced sampler(s) used.                                                                                                       |
|                               | Use of NATA registered laboratories, with test methods the same or similar between laboratories.                                   |
|                               | Satisfactory results for field and laboratory QC samples.                                                                          |
| Representativeness            | Target media sampled.                                                                                                              |
|                               | Sample numbers recovered and analysed are considered to be representative of the target media and complying with DQO.              |
|                               | Samples were extracted and analysed within holding times.                                                                          |
|                               | Samples were analysed in accordance with the chain of custody.                                                                     |
| Precision                     | Field staff followed standard operating procedures.                                                                                |
|                               | Acceptable RPD between original samples and replicates.                                                                            |
|                               | Satisfactory results for all other field and laboratory QC samples.                                                                |
| Accuracy                      | Field staff followed standard operating procedures.                                                                                |
|                               | Satisfactory results for all field and laboratory QC samples.                                                                      |

Based on the above, it is considered that the DQI have generally been complied with.

### 3. Conclusion

Based on the results of the field QA and field and laboratory QC, and evaluation against the DQI it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

### 4. Reference

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

| <b>Project No:</b> 228674.02                                                                                                                                                           |           |                  |                       | <b>Client Project Name:</b> GLOUCESTER, 17 Denison St, Supplementary DSI |                         |                        |         |                 |                |                    |       |                    |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|-----------------------|--------------------------------------------------------------------------|-------------------------|------------------------|---------|-----------------|----------------|--------------------|-------|--------------------|--------------------|
| <b>Client:</b> DPHI                                                                                                                                                                    |           |                  |                       | <b>Location:</b> 17 Denison Street, Gloucester                           |                         |                        |         |                 |                |                    |       |                    |                    |
| <b>Project Manager:</b> Josh Kramer                                                                                                                                                    |           |                  |                       |                                                                          |                         | <b>DP Lab Received</b> |         | <b>By:</b>      |                | <b>Date:</b>       |       |                    |                    |
| <b>Do samples contain 'potential' HBM?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |           |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
| Field                                                                                                                                                                                  |           |                  |                       |                                                                          |                         |                        | DP Lab  | For Despatch to |                |                    | Notes |                    |                    |
| Sample ID                                                                                                                                                                              | Depth (m) | Duplicate Sample | Sample Type           | Container Type                                                           | 8 FAS<br>ASS<br>Samples | Sampling               |         |                 | Storage Locn * | Lab 1 <sup>A</sup> |       | Lab 2 <sup>B</sup> | Lab 3 <sup>C</sup> |
|                                                                                                                                                                                        |           |                  | S - soil<br>W - water | G - glass<br>P - plastic                                                 |                         | By                     | Date    | Time            |                | Envirolab          |       | Date               | Date               |
| 302                                                                                                                                                                                    | 3.5       |                  | S                     | G.P                                                                      |                         | SBK                    | 14/4/25 | 08.00           | Indyge         |                    |       |                    |                    |
| 301                                                                                                                                                                                    | 0-0.03    |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 0.2       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 0.5       |                  |                       |                                                                          | ✓                       |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 1.0       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 1.5       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 2.0       |                  |                       |                                                                          | ✓                       |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 2.5       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 3.0       |                  |                       |                                                                          | ✓                       |                        |         |                 |                | 16/4/25            |       |                    |                    |
|                                                                                                                                                                                        | 3.5       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 4.0       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
| 306                                                                                                                                                                                    | 0.25      |                  |                       |                                                                          | ✓                       |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 0.5       | DL/SEK           |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 1.0       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 1.5       |                  |                       |                                                                          | ✓                       |                        |         |                 |                | 16/4/25            |       |                    |                    |
|                                                                                                                                                                                        | 2.0       |                  |                       |                                                                          |                         |                        |         |                 |                |                    |       |                    |                    |
|                                                                                                                                                                                        | 2.5       |                  |                       |                                                                          |                         |                        |         | 15.00           |                |                    |       |                    |                    |

\* Default storage: glass containers in fridge, plastic containers shelved, ASS in freezer, water samples in fridge

A Provide name of Lab 1

B Provide name of Lab 2

C Provide name of Lab 3

|                                                                                                                                                                                        |  |  |  |                                                                          |  |                        |  |            |  |              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------|--|------------------------|--|------------|--|--------------|--|
| <b>Project No:</b> 228674.02                                                                                                                                                           |  |  |  | <b>Client Project Name:</b> GLOUCESTER, 17 Denison St, Supplementary DSI |  |                        |  |            |  |              |  |
| <b>Client:</b> DPHI                                                                                                                                                                    |  |  |  | <b>Location:</b> 17 Denison Street, Gloucester                           |  |                        |  |            |  |              |  |
| <b>Project Manager:</b> Josh Kramer                                                                                                                                                    |  |  |  |                                                                          |  | <b>DP Lab Received</b> |  | <b>By:</b> |  | <b>Date:</b> |  |
| <b>Do samples contain 'potential' HBM?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |  |  |  |                                                                          |  |                        |  |            |  |              |  |

| Field     |           |                  |                       |                          |                        | DP Lab   | For Despatch to |       |                | Notes   |                    |                    |                    |
|-----------|-----------|------------------|-----------------------|--------------------------|------------------------|----------|-----------------|-------|----------------|---------|--------------------|--------------------|--------------------|
| Sample ID | Depth (m) | Duplicate Sample | Sample Type           | Container Type           | PFAK<br>ASS<br>Samples | Sampling |                 |       | Storage Locn * |         | Lab 1 <sup>A</sup> | Lab 2 <sup>B</sup> | Lab 3 <sup>C</sup> |
|           |           |                  | S - soil<br>W - water | G - glass<br>P - plastic |                        | By       | Date            | Time  |                |         | Date               | Date               | Date               |
| 306       | 3.0       |                  | S                     | G.P                      |                        | SSK      | 14/4/25         | 08:00 | Envirolab      |         |                    |                    |                    |
| ↓         | 3.5       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 4.0       |                  |                       |                          |                        |          |                 |       |                | 16/4/25 |                    |                    |                    |
| 305       | 0.25      |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 0.5       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 1.0       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 1.5       |                  |                       |                          | ✓                      |          |                 |       |                | 16/4/25 |                    |                    |                    |
| ↓         | 2.0       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 2.5       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 3.0       |                  |                       |                          |                        |          |                 |       |                | 16/4/25 |                    |                    |                    |
| ↓         | 3.5       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 4.0       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| 304       | 0.1       |                  |                       |                          | ✓                      |          |                 |       |                |         |                    |                    |                    |
| ↓         | 0.5       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 1.0       |                  |                       |                          |                        |          |                 |       |                |         |                    |                    |                    |
| ↓         | 1.5       |                  |                       |                          | ✓                      |          |                 |       |                |         |                    |                    |                    |
| ↓         | 2.0       |                  |                       |                          |                        |          |                 | 15:00 |                |         |                    |                    |                    |

\* Default storage: glass containers in fridge, plastic containers shelved, ASS in freezer, water samples in fridge

A Provide name of Lab 1

B Provide name of Lab 2

C Provide name of Lab 3

|                                                                                                                                                                                 |  |  |  |  |                                                                   |  |     |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------------------------------------------|--|-----|-------|--|
| Project No: 228674.02                                                                                                                                                           |  |  |  |  | Client Project Name: GLOUCESTER, 17 Denison St, Supplementary DSI |  |     |       |  |
| Client: DPHI                                                                                                                                                                    |  |  |  |  | Location: 17 Denison Street, Gloucester                           |  |     |       |  |
| Project Manager: Josh Kramer                                                                                                                                                    |  |  |  |  | DP Lab Received                                                   |  | By: | Date: |  |
| Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |  |  |  |  |                                                                   |  |     |       |  |

| Field     |           |                  |                       |                          |                                   | DP Lab   | For Despatch to |       |                | Notes   |                    |                    |                    |
|-----------|-----------|------------------|-----------------------|--------------------------|-----------------------------------|----------|-----------------|-------|----------------|---------|--------------------|--------------------|--------------------|
| Sample ID | Depth (m) | Duplicate Sample | Sample Type           | Container Type           | PFAS<br><del>ASS</del><br>Samples | Sampling |                 |       | Storage Locn * |         | Lab 1 <sup>A</sup> | Lab 2 <sup>B</sup> | Lab 3 <sup>C</sup> |
|           |           |                  | S - soil<br>W - water | G - glass<br>P - plastic |                                   | By       | Date            | Time  |                |         | Date               | Date               | Date               |
| 304       | 2.5       |                  | S                     | G, P                     | ✓                                 | JBIL     | 14/4/25         | 08:00 | ESKIDOK        |         |                    |                    |                    |
|           | 3.0       |                  | ↓                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              |         |                    |                    |                    |
|           | 3.5       |                  | ↓                     | ↓                        | ✓                                 |          | ↓               | ↓     | ↓              | 16/4/25 |                    |                    |                    |
|           | 4.0       | DB/SPK           | ↓                     | ↓                        |                                   |          | ↓               | 15:00 | ↓              | 16/4/25 |                    |                    |                    |
| ~~~~~     |           |                  | ↓                     | ↓                        |                                   |          | 15/4/25         | 06:30 | ↓              |         |                    |                    |                    |
| SW3       |           |                  | W                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              | 15/4/25 |                    |                    |                    |
| SED 3     | 0-0.1     |                  | S                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              | 16/4/25 |                    |                    |                    |
| SW1       |           |                  | W                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              | 15/4/25 |                    |                    |                    |
| SED 1     | 0-0.1     |                  | S                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              | 16/4/25 |                    |                    |                    |
| SW2       |           |                  | W                     | ↓                        |                                   | ↓        | ↓               | ↓     | ↓              | 15/4/25 |                    |                    |                    |
| SED 2     | 0-0.1     |                  | S                     | ↓                        |                                   | ↓        | ↓               | 10:00 | ↓              | 16/4/25 |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |
|           |           |                  |                       |                          |                                   |          |                 |       |                |         |                    |                    |                    |

\* Default storage: glass containers in fridge, plastic containers shelved, ASS in freezer, water samples in fridge

A Provide name of Lab 1

B Provide name of Lab 2

C Provide name of Lab 3

| <b>Project No:</b> 228674.02                                                                                                                                                           |           |                  |                       | <b>Client Project Name:</b> GLOUCESTER, 17 Denison St, Supplementary DSI |                        |                        |         |            |                |                              |                    |                    |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|-----------------------|--------------------------------------------------------------------------|------------------------|------------------------|---------|------------|----------------|------------------------------|--------------------|--------------------|-------|
| <b>Client:</b> DPHI                                                                                                                                                                    |           |                  |                       | <b>Location:</b> 17 Denison Street, Gloucester                           |                        |                        |         |            |                |                              |                    |                    |       |
| <b>Project Manager:</b> Josh Kramer                                                                                                                                                    |           |                  |                       |                                                                          |                        | <b>DP Lab Received</b> |         | <b>By:</b> |                | <b>Date:</b>                 |                    |                    |       |
| <b>Do samples contain 'potential' HBM?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |           |                  |                       |                                                                          |                        |                        |         |            |                |                              |                    |                    |       |
| Field                                                                                                                                                                                  |           |                  |                       |                                                                          |                        |                        |         |            | DP Lab         | For Despatch to              |                    |                    | Notes |
| Sample ID                                                                                                                                                                              | Depth (m) | Duplicate Sample | Sample Type           | Container Type                                                           | PFAS<br>ASS<br>Samples | Sampling               |         |            | Storage Locn * | Envirolab Lab 1 <sup>A</sup> | Lab 2 <sup>B</sup> | Lab 3 <sup>C</sup> |       |
|                                                                                                                                                                                        |           |                  | S - soil<br>W - water | G - glass<br>P - plastic                                                 |                        | By                     | Date    | Time       |                | Date                         | Date               | Date               |       |
| 303                                                                                                                                                                                    | 0.1       |                  | S                     | G.P                                                                      | ✓                      | SPK                    | 14/4/25 | 8:45       | 06:00          |                              |                    |                    |       |
| ↓                                                                                                                                                                                      | 0.3       |                  | ↓                     | ↓                                                                        | ✓                      | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 0.6       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 1.5       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 2.0       |                  | ↓                     | ↓                                                                        | ✓                      | ↓                      | ↓       | ↓          | ↓              | 16/4/25                      |                    |                    |       |
|                                                                                                                                                                                        | 2.5       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 3.0       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              | 16/4/25                      |                    |                    |       |
|                                                                                                                                                                                        | 3.5       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
| ↓                                                                                                                                                                                      | 4.0       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
| 302                                                                                                                                                                                    | 0-0.1     |                  | S                     | G.P                                                                      |                        | SPK                    | 14/4/25 | 9:45       |                |                              |                    |                    |       |
| ↓                                                                                                                                                                                      | 0.1       |                  | ↓                     | ↓                                                                        | ✓                      | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 0.5       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 1.0       | OVSPK            | ↓                     | ↓                                                                        | ✓                      | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 1.5       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              |                              |                    |                    |       |
|                                                                                                                                                                                        | 2.0       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | ↓              | 16/4/25                      |                    |                    |       |
|                                                                                                                                                                                        | 2.5       |                  | ↓                     | ↓                                                                        | ✓                      | ↓                      | ↓       | ↓          | ↓              | 16/4/25                      |                    |                    |       |
| ↓                                                                                                                                                                                      | 3.0       |                  | ↓                     | ↓                                                                        |                        | ↓                      | ↓       | ↓          | 15:00          | 16/4/25                      |                    |                    |       |

\* Default storage: glass containers in fridge, plastic containers shelved, ASS in freezer, water samples in fridge

A Provide name of Lab 1

B Provide name of Lab 2

C Provide name of Lab 3

|                                                                                                                                                                      |                                                                   |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----|-------|
| Project No: 228674.02                                                                                                                                                | Client Project Name: GLOUCESTER, 17 Denison St, Supplementary DSI |     |       |
| Client: DPHI                                                                                                                                                         | Location: 17 Denison Street, Gloucester                           |     |       |
| Project Manager: Josh Kramer                                                                                                                                         | DP Lab Received                                                   | By: | Date: |
| Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |                                                                   |     |       |

| Field     |           |                  |                       |                          |             |          |         |       | DP Lab         | For Despatch to                                                                      |                    |                    | Notes |
|-----------|-----------|------------------|-----------------------|--------------------------|-------------|----------|---------|-------|----------------|--------------------------------------------------------------------------------------|--------------------|--------------------|-------|
| Sample ID | Depth (m) | Duplicate Sample | Sample Type           | Container Type           | ASS Samples | Sampling |         |       | Storage Locn * | Lab 1 <sup>A</sup>                                                                   | Lab 2 <sup>B</sup> | Lab 3 <sup>C</sup> |       |
|           |           |                  | S - soil<br>W - water | G - glass<br>P - plastic |             | By       | Date    | Time  |                | Date                                                                                 | Date               | Date               |       |
| 102       | DI/GW     |                  | W                     | G, P                     |             | SPK      | 28/4/25 | 10:30 | ESK            |  |                    |                    |       |
| 103       | DI/GW     |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 106       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 105       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| MW1       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 104       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| MW2       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 101       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 303       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| R1/GW     |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 302       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 301       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 306       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 305       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| 304       |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| T51/GW    |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |
| T61/GW    |           |                  |                       |                          |             |          |         |       |                |                                                                                      |                    |                    |       |

\* Default storage: glass containers in fridge, plastic containers shelved, ASS in freezer, water samples in fridge

A Provide name of Lab 1

B Provide name of Lab 2

C Provide name of Lab 3

[illegible]



|                         |                                                                                                                                                                                   |                      |            |                                                                                               |                    |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-----------------------------------------------------------------------------------------------|--------------------|
| <b>Project No:</b>      | 228674.02                                                                                                                                                                         | <b>Suburb:</b>       | Gloucester | <b>To:</b>                                                                                    | Envirolab Services |
| <b>Project Manager:</b> | Joshua Kramer                                                                                                                                                                     | <b>Order Number:</b> | NC233671   | <b>Sampler:</b>                                                                               | SBK                |
| <b>Email:</b>           | Joshua.Kramer@douglaspartners.com.au                                                                                                                                              |                      |            | <b>Attn:</b>                                                                                  | Sample Receipt     |
| <b>Turnaround time:</b> | <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day |                      |            | (02) 9910 6200 <a href="mailto:samplerreceipt@envirolab.com">samplerreceipt@envirolab.com</a> |                    |

**Prior Storage:** ☐ Fridge ☐ Freezer ☒ Esky ☐ Shelf **Do samples contain 'potential' HBM?** ☒ No ☐ Yes If YES, then handle, transport and store in accordance with FPM HAZID)

[illegible]

**Metals to analyse:** As, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Zn

|                                        |                                              |
|----------------------------------------|----------------------------------------------|
| <b>Number of samples in container:</b> | <b>Transported to laboratory by:</b> courier |
|----------------------------------------|----------------------------------------------|

**Send results to:** Douglas Partners Pty Ltd

|                 |                                          |               |                |
|-----------------|------------------------------------------|---------------|----------------|
| <b>Address:</b> | 15 Callistemon Close, Warabrook NSW 2126 | <b>Phone:</b> | (02) 4960 9600 |
|-----------------|------------------------------------------|---------------|----------------|

Relinquished by: SBK

**Date:** 15/04/2025

**Signed:**

## LAB RECEIPT

Lab Ref. No: 378428 4A

Received by: A. B. M.

|             |           |      |
|-------------|-----------|------|
| Date & Time | 28/4/2015 | 1336 |
|-------------|-----------|------|

**Signed:**

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                        |
|---------------------------------------------|------------------------|
| <b>Your reference</b>                       | 228674.00 - Gloucester |
| <b>Envirolab Reference</b>                  | 378428                 |
| <b>Date Sample Received</b>                 | 16/04/2025             |
| <b>Date Instructions Received</b>           | 16/04/2024             |
| <b>Date Results Expected to be Reported</b> | 28/04/2025             |

### Sample Condition

|                                                               |          |
|---------------------------------------------------------------|----------|
| <b>Samples received in appropriate condition for analysis</b> | Yes      |
| <b>No. of Samples Provided</b>                                | 3 Water  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 6        |
| <b>Cooling Method</b>                                         | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*



**Envirolab Services Pty Ltd**

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

| Sample ID | vTRH(C6-C10)/BTEXN in Water | svTRH (C10-C40) in Water | PAHs in Water | All metals in water - total | pH | Electrical Conductivity |
|-----------|-----------------------------|--------------------------|---------------|-----------------------------|----|-------------------------|
| SW1       | ✓                           | ✓                        | ✓             | ✓                           | ✓  | ✓                       |
| SW2       | ✓                           | ✓                        | ✓             | ✓                           | ✓  | ✓                       |
| SW3       | ✓                           | ✓                        | ✓             | ✓                           | ✓  | ✓                       |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

**Anna Bui**

---

**From:** Joshua Kramer <joshua.kramer@douglaspartners.com.au>  
**Sent:** Thursday, 8 May 2025 1:29 PM  
**To:** Nick Sarlamis; Sarah Krebs; Envirolab Sydney Sample Receipt  
**Subject:** RE: Results for Registration 378586 228674.02 Gloucester

**CAUTION:** This email originated from outside of the organisation. Do not act on instructions, click links or open attachments unless you recognise the sender and know the content is authentic and safe.

Thanks Nick yep standard TAT is fine.

Cheers

**Joshua Kramer** | Environmental Engineer

---

☎ 02 4960 9600 📞 +61 400 390 451 📧 Joshua.Kramer@douglaspartners.com.au

🌐 www.douglaspartners.com.au 📍 15 Callistemon Close, Warabrook  
NSW 2304 | Awabakal Country  
PO Box 324, Hunter Region Mail Centre, NSW 2310



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---

**From:** Nick Sarlamis <NSarlamis@envirolab.com.au>  
**Sent:** Thursday, May 8, 2025 1:21 PM  
**To:** Joshua Kramer <joshua.kramer@douglaspartners.com.au>; Sarah Krebs  
<Sarah.Krebs@douglaspartners.com.au>; Envirolab Sydney Sample Receipt <Samplereceipt@envirolab.com.au>  
**Subject:** RE: Results for Registration 378586 228674.02 Gloucester

Hi Joshua, I will have that sorted. Assuming std T/A ok?

Kind Regards,

**Nick Sarlamis | Assistant Operations Manager | Envirolab Services**

**Great Science. Great Service.**

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200  
E [NSarlamis@envirolab.com.au](mailto:NSarlamis@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

**Follow us on:** [LinkedIn](#) | [Facebook](#) | [Twitter](#)

**Samples will be analysed per our T&C's.**

---

**From:** Joshua Kramer <joshua.kramer@douglaspartners.com.au>  
**Sent:** Thursday, 8 May 2025 1:06 PM  
**To:** Nick Sarlamis <NSarlamis@envirolab.com.au>; Sarah Krebs <Sarah.Krebs@douglaspartners.com.au>; Envirolab  
Sydney Sample Receipt <Samplereceipt@envirolab.com.au>  
**Subject:** RE: Results for Registration 378586 228674.02 Gloucester

EW REF: 378586-A

MT: JTA MARD

ME: 15/5/25

AB.

**CAUTION:** This email originated from outside of the organisation. Do not act on instructions, click links or open attachments unless you recognise the sender and know the content is authentic and safe.

Hi Nick

14

Thanks for sending these through. Could we please get TCLP done for PFAS for sample SED2/0-0.1m (Envirolab ID 378586-414)

Any issues please let me know.

Thanks

**Joshua Kramer** | Environmental Engineer

☎ 02 4960 9600 📞 +61 400 390 451 📧 Joshua.Kramer@douglaspartners.com.au

🌐 www.douglaspartners.com.au 📍 15 Callistemon Close, Warabrook  
NSW 2304 | Awabakal Country  
PO Box 324, Hunter Region Mail Centre, NSW 2310



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**From:** Nick Sarlamis <[NSarlamis@envirolab.com.au](mailto:NSarlamis@envirolab.com.au)>

**Sent:** Monday, April 28, 2025 6:58 PM

**To:** ESdat AU+douglaspartners@ESdatLabSync.net; Joshua Kramer <[joshua.kramer@douglaspartners.com.au](mailto:joshua.kramer@douglaspartners.com.au)>; Sarah Krebs <[sarah.krebs@douglaspartners.com.au](mailto:sarah.krebs@douglaspartners.com.au)>

**Subject:** Results for Registration 378586 228674.02 Gloucester [Filed 29 Apr 2025 16:54]

Please refer to attached for:  
a copy of the Certificate of Analysis  
a copy of the COC/paperwork received from you  
ESDAT Extracts  
an Excel or .csv file containing the results

Please note that a hard copy will not be posted.

Enquiries should be made directly to:  
[customerservice@envirolab.com.au](mailto:customerservice@envirolab.com.au)

To view information on uncertainty guidelines click [here](#)

[How did we do? Send Feedback](#)

**Kind Regards,**

**Nick Sarlamis | Assistant Operations Manager | Envirolab Services**

**Great Science. Great Service.**

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200  
E [NSarlamis@envirolab.com.au](mailto:NSarlamis@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

**Anna Bui**

---

**From:** Joshua Kramer <Joshua.Kramer@douglaspartners.com.au>  
**Sent:** Tuesday, 13 May 2025 8:56 PM  
**To:** Envirolab Sydney Sample Receipt  
**Subject:** TPH Silica gel cleanup - 228674.02 Gloucester

**CAUTION:** This email originated from outside of the organisation. Do not act on instructions, click links or open attachments unless you recognise the sender and know the content is authentic and safe.

Hey guys

Can we also get some TPH silica-gel cleanup conducted on two sediment samples for the Gloucester project. Hopefully the last lot of testing needed for this one. See table below.

| Lab Report | Sample ID | Envirolab ID |
|------------|-----------|--------------|
| 378586     | SED2      | 378586-14    |
| 378586     | SED3      | 378586-15    |

Please use previous PO NC233580 for this one. Appreciate the help with this.

Thanks

**Joshua Kramer** | Environmental Engineer

---

☎ 02 4960 9600 ☎ +61 400 390 451 ➡ Joshua.Kramer@douglaspartners.com.au

🌐 www.douglaspartners.com.au 📍 15 Callistemon Close, Warabrook  
NSW 2304 | Awabakal Country  
PO Box 324, Hunter Region Mail Centre, NSW 2310



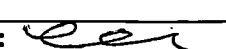
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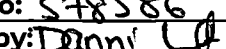
ECU REF: 378586-B  
TAT: STANDARD  
DME: 21/5/25  
AB

|                                                                                                                                                                                                           |  |                                                                                                                                                                                |  |                                               |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|
| <b>Project No:</b> 228674.02                                                                                                                                                                              |  | <b>Suburb:</b> Gloucester                                                                                                                                                      |  | <b>To:</b> Envirolab Services                 |  |
| <b>Project Manager:</b> Joshua Kramer                                                                                                                                                                     |  | <b>Order Number:</b> NC233580                                                                                                                                                  |  | <b>Sampler:</b> SBK                           |  |
| <b>Email:</b> Joshua.Kramer/Sarah.Krebs@douglaspartners.com.au                                                                                                                                            |  |                                                                                                                                                                                |  | <b>Attn:</b> Sample Receipt                   |  |
| <b>Turnaround time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day |  |                                                                                                                                                                                |  | (02) 9910 6200    samplereceipt@envirolab.com |  |
| <b>Prior Storage:</b> <input checked="" type="checkbox"/> Fridge <input type="checkbox"/> Freezer <input type="checkbox"/> Esky <input type="checkbox"/> Shelf                                            |  | <b>Do samples contain 'potential' HBM?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, then handle, transport and store in accordance with FPM HAZID) |  |                                               |  |

| Lab ID | Sample ID           |            |          | Date Sampled | Sample Type                           | Container Type           | Analytes    |                |               |                       |                 |        |     |                      |  |  |  |         | Notes/ Preservation/ Additional Requirements |
|--------|---------------------|------------|----------|--------------|---------------------------------------|--------------------------|-------------|----------------|---------------|-----------------------|-----------------|--------|-----|----------------------|--|--|--|---------|----------------------------------------------|
|        | Location / Other ID | Depth From | Depth To |              | S - soil<br>W - water<br>M - Material | G - glass<br>P - plastic | Metals (16) | TRH, BTEX, PAH | OCP, OPP, PCB | PFAS (extended suite) | VOC (low level) | pH, EC | CEC | Total organic carbon |  |  |  |         |                                              |
| 1      | 301                 | 3.0        | -        | 14/04/25     | S                                     | G,P                      | x           | x              | x             | x                     |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
| 2      | 302                 | 2.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
| 3      | 302                 | 2.5        | -        | 14/04/25     | S                                     | P                        |             |                |               | x                     |                 |        |     |                      |  |  |  |         |                                              |
| 4      | 302                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
| 5      | 303                 | 2.0        | -        | 14/04/25     | S                                     | G,P                      | x           | x              | x             | x                     | x               | x      | x   |                      |  |  |  | Combo 6 |                                              |
| NR     | 303                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
| 6      | 304                 | 3.5        | -        | 14/04/25     | S                                     | P                        |             |                |               | x                     |                 |        |     |                      |  |  |  |         |                                              |
| 7      | 304                 | 4.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
| 8      | 305                 | 1.5        | -        | 14/04/25     | S                                     | P                        |             |                |               | x                     |                 | x      |     |                      |  |  |  |         |                                              |
| NR     | 305                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
| 9      | 306                 | 1.5        | -        | 14/04/25     | S                                     | P                        |             |                |               | x                     |                 |        |     |                      |  |  |  |         |                                              |
| 10     | 306                 | 2.5        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
| 11     | 306                 | 4.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       |                 | x      | x   |                      |  |  |  | Combo 6 |                                              |
| 12     | D3/SBK              | -          | -        | 14/04/25     | S                                     | G                        | x           | x              | x             |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |

**Metals to analyse:** As, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Zn  
**Number of samples in container:** 17  
**Send results to:** Douglas Partners Pty Ltd  
**Address:** 15 Callistemon Close, Warabrook NSW 2350  
**Relinquished by:** SBK

**Transported to laboratory by:** courier  
**Phone:** (02) 4960 9600  
**Date:** 16/04/2025  
**Signed:** 

**LAB RECEIPT**  
**Lab Ref. No:** 378586  
**Received by:**   
**Date & Time:** 17/04/25 1020  
**Signed:** 

| <b>Project No:</b> 228674.02          |                    |            |          |              | <b>Suburb:</b> Gloucester             |                          |             |                |               | <b>To:</b> Envirolab Services    |                 |        |     |                      |  |  |  |                                              |
|---------------------------------------|--------------------|------------|----------|--------------|---------------------------------------|--------------------------|-------------|----------------|---------------|----------------------------------|-----------------|--------|-----|----------------------|--|--|--|----------------------------------------------|
| <b>Project Manager:</b> Joshua Kramer |                    |            |          |              |                                       |                          |             |                |               | <b>Dispatch date:</b> 16/04/2025 |                 |        |     |                      |  |  |  |                                              |
| Lab ID                                | Sample ID          |            |          | Date Sampled | Sample Type                           | Container Type           | Analytes    |                |               |                                  |                 |        |     |                      |  |  |  | Notes/ Preservation/ Additional Requirements |
|                                       | Location/ Other ID | Depth From | Depth To |              | S - soil<br>W - water<br>M - Material | G - glass<br>P - plastic | Metals (16) | TRH, BTEX, PAH | OCP, OPP, PCB | PFAS (extended suite)            | VOC (low level) | pH, EC | CEC | Total organic carbon |  |  |  |                                              |
| 13                                    | SED1               | 0          | 0.1      | 15/04/25     | S                                     | G,P                      | x           | x              | x             | x                                | x               | x      | x   | x                    |  |  |  |                                              |
| 14                                    | SED2               | 0          | 0.1      | 15/04/25     | S                                     | G,P                      | x           | x              | x             | x                                | x               | x      |     | x                    |  |  |  |                                              |
| 15                                    | SED3               | 0          | 0.1      | 15/04/25     | S                                     | G,P                      | x           | x              | x             | x                                | x               | x      |     | x                    |  |  |  |                                              |
| 16                                    | 302/3.0            |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
| 17                                    | 304/3.0            |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |
|                                       |                    |            |          |              |                                       |                          |             |                |               |                                  |                 |        |     |                      |  |  |  |                                              |

#378586  
 17/04/25  
 VLP

|                                                                                                                                                                                                           |                               |                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------|
| <b>Project No:</b> 228674.02                                                                                                                                                                              | <b>Suburb:</b> Gloucester     | <b>To:</b> Envirolab Services                                                             |
| <b>Project Manager:</b> Joshua Kramer                                                                                                                                                                     | <b>Order Number:</b> NC233580 | <b>Sampler:</b> SBK                                                                       |
| <b>Email:</b> Joshua.Kramer/Sarah.Krebs@douglaspartners.com.au                                                                                                                                            |                               | <b>Attn:</b> Sample Receipt                                                               |
| <b>Turnaround time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day |                               | (02) 9910 6200 <a href="mailto:samlereceipt@envirolab.com">samlereceipt@envirolab.com</a> |

**Prior Storage:** ☒ Fridge ☐ Freezer ☐ Esky ☐ Shelf **Do samples contain 'potential' HBM?** ☒ No ☐ Yes, then handle, transport and store in accordance with FPM HAZID)

| Lab ID | Sample ID           |            |          | Date Sampled | Sample Type                           | Container Type           | Analytes    |                |              |                       |                 |        |     |                      |  |  |  |         | Notes/ Preservation/ Additional Requirements |
|--------|---------------------|------------|----------|--------------|---------------------------------------|--------------------------|-------------|----------------|--------------|-----------------------|-----------------|--------|-----|----------------------|--|--|--|---------|----------------------------------------------|
|        | Location / Other ID | Depth From | Depth To |              | S - soil<br>W - water<br>M - Material | G - glass<br>P - plastic | Metals (16) | TRH, BTEX, PAH | OCP,OPP, PCB | PFAS (extended suite) | VOC (low level) | pH, EC | CEC | Total organic carbon |  |  |  |         |                                              |
|        | 301                 | 3.0        | -        | 14/04/25     | S                                     | G,P                      | x           | x              | x            | x                     |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 302                 | 2.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 302                 | 2.5        | -        | 14/04/25     | S                                     | P                        |             |                |              | x                     |                 |        |     |                      |  |  |  |         |                                              |
|        | 302                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 303                 | 2.0        | -        | 14/04/25     | S                                     | G,P                      | x           | x              | x            | x                     | x               | x      | x   |                      |  |  |  | Combo 6 |                                              |
| 1      | 303                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 304                 | 3.5        | -        | 14/04/25     | S                                     | P                        |             |                |              | x                     |                 |        |     |                      |  |  |  |         |                                              |
|        | 304                 | 4.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 305                 | 1.5        | -        | 14/04/25     | S                                     | P                        |             |                |              | x                     |                 | x      |     |                      |  |  |  |         |                                              |
| 2      | 305                 | 3.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 306                 | 1.5        | -        | 14/04/25     | S                                     | P                        |             |                |              | x                     |                 |        |     |                      |  |  |  |         |                                              |
|        | 306                 | 2.5        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       | x               | x      |     |                      |  |  |  | Combo 6 |                                              |
|        | 306                 | 4.0        | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       |                 | x      | x   |                      |  |  |  | Combo 6 |                                              |
|        | D3/SBK              | -          | -        | 14/04/25     | S                                     | G                        | x           | x              | x            |                       |                 | x      |     |                      |  |  |  | Combo 6 |                                              |

**ENVIROLAB**  
Envirolab Services  
12 Ashley St  
Chatswood NSW 2067  
Ph: (02) 9910 6200

Job No: 378827

Date Received: 23/04/25  
Time Received: 1050  
Received By: Danni W  
Temp: 16.0/Ambient  
Cooling: Ice/Icepack  
Security: Intact/Broken/None

|                                                                                         |                                              |                                       |  |
|-----------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|--|
| <b>Metals to analyse:</b> As, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Zn |                                              | <b>LAB RECEIPT</b>                    |  |
| <b>Number of samples in container:</b> 17                                               | <b>Transported to laboratory by:</b> courier | <b>Lab Ref. No:</b> 378827            |  |
| <b>Send results to:</b> Douglas Partners Pty Ltd.                                       |                                              | <b>Received by:</b> Danni W           |  |
| <b>Address:</b> 15 Callistemon Close, Warabrook NSW 2                                   | <b>Phone:</b> (02) 4960 9600                 | <b>Date &amp; Time:</b> 23/04/25 1050 |  |
| <b>Relinquished by:</b> SBK                                                             | <b>Date:</b> 16/04/2025                      | <b>Signed:</b> Danni W                |  |

## Joshua Kramer

---

**From:** Nam Dinh <NDinh@envirolab.com.au>  
**Sent:** Thursday, 17 April 2025 4:48 PM  
**To:** Joshua Kramer  
**Cc:** Sarah Krebs  
**Subject:** Re: 228674.02 Gloucester

Hi Joshua, no worries will proceed with the samples we have.

Kind Regards,

**Nam Dinh | Customer Service | Envirolab Services**

**Great Science. Great Service.**

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200  
E [NDinh@envirolab.com.au](mailto:NDinh@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

**Follow us on:** [LinkedIn](#) | [Facebook](#) | [Twitter](#)

**Samples will be analysed per our T&C's.**

---

**From:** Joshua Kramer <joshua.kramer@douglaspartners.com.au>  
**Sent:** Thursday, 17 April 2025 4:44 PM  
**To:** Nam Dinh <NDinh@envirolab.com.au>  
**Cc:** Sarah Krebs <Sarah.Krebs@douglaspartners.com.au>  
**Subject:** RE: 228674.02 Gloucester

**CAUTION:** This email originated from outside of the organisation. Do not act on instructions, click links or open attachments unless you recognise the sender and know the content is authentic and safe.

Hey Nam

Thanks for letting me know. I think there's been a mix up and we have sent the wrong samples. I have found **303/3.0 and 305/3.0** and I will send through next week. Happy for you to process the samples you have and for these to be done under a new report number. Please put 302/3.8 and 304/3.0 on hold for now.

Really sorry for the mix up.

Thanks

**Joshua Kramer** | Environmental Engineer

---

☎ 02 4960 9600 📞 +61 400 390 451 📧 [Joshua.Kramer@douglaspartners.com.au](mailto:Joshua.Kramer@douglaspartners.com.au)

🌐 [www.douglaspartners.com.au](http://www.douglaspartners.com.au) 📍 15 Callistemon Close, Warabrook  
NSW 2304 | Awabakal Country  
PO Box 324, Hunter Region Mail Centre, NSW 2310



GROUND  
ED  
EXPERTISE

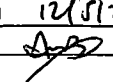
[Click here to learn about our awards and achievements.](#)

#378827  
23/04/28  
DLA

# CHAIN OF CUSTODY DESPATCH SHEET

|                                                                                                                                                                                                           |  |                                                                                                                                                                               |  |                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|
| <b>Project No:</b> 228674.02                                                                                                                                                                              |  | <b>Suburb:</b> Gloucester                                                                                                                                                     |  | <b>To:</b> Envirolab Services               |  |
| <b>Project Manager:</b> Joshua Kramer                                                                                                                                                                     |  | <b>Order Number:</b> NC233580                                                                                                                                                 |  | <b>Sampler:</b> SBK                         |  |
| <b>Email:</b> Joshua.Kramer/Sarah.Krebs@douglaspartners.com.au                                                                                                                                            |  | <b>Attn:</b> Sample Receipt                                                                                                                                                   |  |                                             |  |
| <b>Turnaround time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day |  |                                                                                                                                                                               |  | (02) 9910 6200 samplerreceipt@envirolab.com |  |
| <b>Prior Storage:</b> <input checked="" type="checkbox"/> Fridge <input type="checkbox"/> Freezer <input type="checkbox"/> Esky <input type="checkbox"/> Shelf                                            |  | <b>Do samples contain 'potential' HBM?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> YES, then handle, transport and store in accordance with FPM HAZID |  |                                             |  |

| Lab ID | Sample ID           |            |          | Date Sampled | Sample Type                           | Container Type           | Analytes               |  |  |  |  |  |  |  |  |  | Notes/ Preservation/ Additional Requirements |  |
|--------|---------------------|------------|----------|--------------|---------------------------------------|--------------------------|------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------|--|
|        | Location / Other ID | Depth From | Depth To |              | S - soil<br>W - water<br>M - Material | G - glass<br>P - plastic | TPH Silica-Gel Cleanup |  |  |  |  |  |  |  |  |  |                                              |  |
| 4      | 104                 | -          | -        | 28/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 5      | 105                 | -          | -        | 28/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 10     | 302                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 11     | 303                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 12     | 304                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 13     | 305                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 14     | 306                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
| 7      | MWI                 | -          | -        | 29/04/25     | W                                     | G,P                      | x                      |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |
|        |                     |            |          |              |                                       |                          |                        |  |  |  |  |  |  |  |  |  |                                              |  |

|                                                                                              |  |                                                                                                      |  |
|----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|
| <b>Metals to analyse:</b> Al, As, Be, Bo, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Zn |  | <b>LAB RECEIPT</b>                                                                                   |  |
| <b>Number of samples in container:</b>                                                       |  | <b>Transported to laboratory by:</b> TNT courier                                                     |  |
| <b>Send results to:</b> Douglas Partners Pty Ltd                                             |  | <b>Lab Ref. No:</b> 379259-A                                                                         |  |
| <b>Address:</b> 15 Callistemon Close, Warabrook NSW 2313                                     |  | <b>Received by:</b> A.B.M.                                                                           |  |
| <b>Phone:</b> (02) 4960 9600                                                                 |  | <b>Date &amp; Time:</b> 12/5/25 1232                                                                 |  |
| <b>Relinquished by:</b> SBK                                                                  |  | <b>Signed:</b>  |  |

|                                                                                                                                                                                                           |  |                                                                                                                                                                                                      |  |                                               |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|
| <b>Project No:</b> 228674.02                                                                                                                                                                              |  | <b>Suburb:</b> Gloucester                                                                                                                                                                            |  | <b>To:</b> Envirolab Services                 |  |
| <b>Project Manager:</b> Joshua Kramer                                                                                                                                                                     |  | <b>Order Number:</b> NC233580                                                                                                                                                                        |  | <b>Sampler:</b> SBK                           |  |
| <b>Email:</b> Joshua.Kramer/Sarah.Krebs@douglaspartners.com.au                                                                                                                                            |  |                                                                                                                                                                                                      |  | <b>Attn:</b> Sample Receipt                   |  |
| <b>Turnaround time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day |  |                                                                                                                                                                                                      |  | (02) 9910 6200    samplereceipt@envirolab.com |  |
| <b>Prior Storage:</b> <input checked="" type="checkbox"/> Fridge <input type="checkbox"/> Freezer <input type="checkbox"/> Esky <input type="checkbox"/> Shelf                                            |  | <b>Do samples contain 'potential' HBM?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <small>If YES, then handle, transport and store in accordance with FPM HAZID)</small> |  |                                               |  |

| Lab ID | Sample ID           |            |          | Date Sampled | Sample Type | Container Type | Analytes                              |                          |        |                       |           |                 |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Notes/ Preservation/ Additional Requirements |                 |
|--------|---------------------|------------|----------|--------------|-------------|----------------|---------------------------------------|--------------------------|--------|-----------------------|-----------|-----------------|-----------------|-----------------------------------|---------------|----------------|------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------|
|        | Location / Other ID | Depth From | Depth To |              |             |                | S - soil<br>W - water<br>M - Material | G - glass<br>P - plastic | pH, EC | Dissolved Metals (17) | TRH, BTEX | PAH (low level) | VOC (low level) | PFAS - extended suite (low level) | Ionic Balance | Nutrient Suite | Total Dissolved Solids | Trip Spike/Trip Blank |                                                                                                                                                                                                                             |                                              |                 |
| 1      | 101                 | -          | -        | 28/4/25      | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       | Envirolab Services<br>12 Ashley St<br>Chatswood NSW 2067<br>Ph: (02) 9910 6200                                                                                                                                              | Combo 3 + extra                              |                 |
| 2      | 102                 | -          | -        | ↓            | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       | <b>Job No:</b> 379259<br><b>Date Received:</b> 30/4/25<br><b>Time Received:</b> 10:50<br><b>Received By:</b> [Signature]<br><b>Temp:</b> Cool/Ambient<br><b>Cooling:</b> Ice/No pack<br><b>Security:</b> Intact/Broken/None | Combo 3 + extra                              |                 |
| 3      | 103                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 4      | 104                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 5      | 105                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 6      | 106                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 7      | MW1                 | -          | -        | ↓            | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 8      | MW2                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 9      | 301                 | -          | -        |              | 29/4/25     | W              | G,P                                   | x                        | x      | x                     | x         | x               | x               | x                                 | x             |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 10     | 302                 | -          | -        |              | ↓           | W              | G,P                                   | x                        | x      | x                     | x         | x               | x               |                                   |               |                |                        |                       |                                                                                                                                                                                                                             |                                              | Combo 3 + extra |
| 11     | 303                 | -          | -        |              |             | W              | G,P                                   | x                        | x      | x                     | x         | x               | x               |                                   |               |                |                        |                       |                                                                                                                                                                                                                             |                                              | Combo 3 + extra |
| 12     | 304                 | -          | -        | W            |             | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       | Combo 3 + extra                                                                                                                                                                                                             |                                              |                 |
| 13     | 305                 | -          | -        | ↓            | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |
| 14     | 306                 | -          | -        |              | W           | G,P            | x                                     | x                        | x      | x                     | x         | x               |                 |                                   |               |                |                        |                       |                                                                                                                                                                                                                             | Combo 3 + extra                              |                 |

|                                                                                              |  |                                                  |  |
|----------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|
| <b>Metals to analyse:</b> Al, As, Be, Bo, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Zn |  | <b>LAB RECEIPT</b>                               |  |
| <b>Number of samples in container:</b>                                                       |  | <b>Transported to laboratory by:</b> TNT courier |  |
| <b>Send results to:</b> Douglas Partners Pty Ltd                                             |  | <b>Lab Ref. No:</b>                              |  |
| <b>Address:</b> 15 Callistemon Close, Warabrook NSW 23                                       |  | <b>Received by:</b> [Signature]                  |  |
| <b>Relinquished by:</b> SBK                                                                  |  | <b>Date &amp; Time:</b> 30/4/25 10:50            |  |
| <b>Phone:</b> (02) 4960 9600                                                                 |  | <b>Signed:</b> [Signature]                       |  |
| <b>Date:</b> 29/4/25                                                                         |  |                                                  |  |

| <b>Project No:</b> 228674.02          |                     | <b>Suburb:</b> Gloucester       |          | <b>To:</b> Envirolab Services |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|---------------------------------------|---------------------|---------------------------------|----------|-------------------------------|------------------------------------------------------|--------------------------------------------|----------|-----------------------|-----------|-----------------|-----------------|-----------------------------------|---------------|----------------|------------------------|-----------------------|---|----------------------------------------------|
| <b>Project Manager:</b> Joshua Kramer |                     | <b>Dispatch date:</b> 0/01/1900 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
| Lab ID                                | Sample ID           |                                 |          | Date Sampled                  | Sample Type<br>S - soil<br>W - water<br>M - Material | Container Type<br>G - glass<br>P - plastic | Analytes |                       |           |                 |                 |                                   |               |                |                        |                       |   | Notes/ Preservation/ Additional Requirements |
|                                       | Location / Other ID | Depth From                      | Depth To |                               |                                                      |                                            | pH, EC   | Dissolved Metals (17) | TRH, BTEX | PAH (low level) | VOC (low level) | PFAS - extended suite (low level) | Ionic Balance | Nutrient Suite | Total Dissolved Solids | Trip Spike/Trip Blank |   |                                              |
| 15                                    | D1/GW               |                                 |          | 28/4/25                       | W                                                    | G, P                                       | X        | X                     | X         | X               | X               | X                                 |               |                |                        |                       |   | Combo 3 + extra                              |
| 16                                    | R1/GW               |                                 |          | 29/4/25                       | ↓                                                    | ↓                                          | X        | X                     | X         | X               | X               | X                                 |               |                |                        |                       |   | Combo 3 + extra                              |
| 17                                    | TB1/GW              |                                 |          | ↓                             | ↓                                                    | ↓                                          |          |                       |           |                 |                 |                                   |               |                |                        |                       | X |                                              |
| 18                                    | TS1/GW              |                                 |          | ↓                             | ↓                                                    | ↓                                          |          |                       |           |                 |                 |                                   |               |                |                        |                       | X |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   | Note samples may have high TRH               |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
| 19                                    | T1/GW               |                                 |          | 28/4/25                       | W                                                    | G, P                                       |          |                       |           |                 |                 |                                   |               |                |                        |                       |   | Forward to ALS                               |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |
|                                       |                     |                                 |          |                               |                                                      |                                            |          |                       |           |                 |                 |                                   |               |                |                        |                       |   |                                              |

379219  
 30/4/17  
 AW.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                        |
|---------------------------------------------|------------------------|
| <b>Your reference</b>                       | 228674.00 - Gloucester |
| <b>Envirolab Reference</b>                  | 378428-A               |
| <b>Date Sample Received</b>                 | 16/04/2025             |
| <b>Date Instructions Received</b>           | 28/04/2024             |
| <b>Date Results Expected to be Reported</b> | 05/05/2025             |

### Sample Condition

|                                                               |                     |
|---------------------------------------------------------------|---------------------|
| <b>Samples received in appropriate condition for analysis</b> | Yes                 |
| <b>No. of Samples Provided</b>                                | Additional analysis |
| <b>Turnaround Time Requested</b>                              | Standard            |
| <b>Temperature on Receipt (°C)</b>                            | 6                   |
| <b>Cooling Method</b>                                         | Ice                 |
| <b>Sampling Date Provided</b>                                 | YES                 |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*

| Sample ID | VOCs in water<br>PFAS in Water LOW<br>LEVEL Extend |   |
|-----------|----------------------------------------------------|---|
| SW1       | ✓                                                  | ✓ |
| SW2       | ✓                                                  | ✓ |
| SW3       | ✓                                                  | ✓ |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                      |
|---------------------------------------------|----------------------|
| <b>Your reference</b>                       | 228674.02 Gloucester |
| <b>Envirolab Reference</b>                  | 378586-A             |
| <b>Date Sample Received</b>                 | 17/04/2025           |
| <b>Date Instructions Received</b>           | 08/05/2025           |
| <b>Date Results Expected to be Reported</b> | 15/05/2025           |

### Sample Condition

|                                                               |                              |
|---------------------------------------------------------------|------------------------------|
| <b>Samples received in appropriate condition for analysis</b> | Yes                          |
| <b>No. of Samples Provided</b>                                | Additional analysis 1 sample |
| <b>Turnaround Time Requested</b>                              | Standard                     |
| <b>Temperature on Receipt (°C)</b>                            | 4                            |
| <b>Cooling Method</b>                                         | Ice                          |
| <b>Sampling Date Provided</b>                                 | YES                          |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*



**EnviroLab Services Pty Ltd**

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

| Sample ID              | PFAS in TCLP Extended | On Hold |
|------------------------|-----------------------|---------|
| 301-3.0                |                       | ✓       |
| 302-2.0                |                       | ✓       |
| 302-2.5                |                       | ✓       |
| 302-3.0                |                       | ✓       |
| 303-2.0                |                       | ✓       |
| 304-3.5                |                       | ✓       |
| 304-4.0                |                       | ✓       |
| 305-1.5                |                       | ✓       |
| 306-1.5                |                       | ✓       |
| 306-2.5                |                       | ✓       |
| 306-4.0                |                       | ✓       |
| D3/SBK                 |                       | ✓       |
| SED1-0-0.1             |                       | ✓       |
| SED2-0-0.1             | ✓                     |         |
| SED3-0-0.1             |                       | ✓       |
| 302-3.8                |                       | ✓       |
| 304-3.0                |                       | ✓       |
| 302 - [TRIPLICATE]-2.0 |                       | ✓       |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                      |
|---------------------------------------------|----------------------|
| <b>Your reference</b>                       | 228674.02 Gloucester |
| <b>Envirolab Reference</b>                  | 378586-B             |
| <b>Date Sample Received</b>                 | 17/04/2025           |
| <b>Date Instructions Received</b>           | 14/05/2025           |
| <b>Date Results Expected to be Reported</b> | 21/05/2025           |

### Sample Condition

|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| <b>Samples received in appropriate condition for analysis</b> | Holding time exceedance |
| <b>No. of Samples Provided</b>                                | Additional analysis     |
| <b>Turnaround Time Requested</b>                              | Standard                |
| <b>Temperature on Receipt (°C)</b>                            | 4                       |
| <b>Cooling Method</b>                                         | Ice                     |
| <b>Sampling Date Provided</b>                                 | YES                     |

### Comments

Please contact the laboratory within 24 hours if you wish to cancel the aforementioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

Analysis Underway, details on the following page:



**Envirolab Services Pty Ltd**

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

| Sample ID              | svTRH (C10-C40) in Soil NEPM<br>Silica gel | svTRH (C10-C40) in Soil Pre<br>Clean Up | On Hold |
|------------------------|--------------------------------------------|-----------------------------------------|---------|
| 301-3.0                |                                            |                                         | ✓       |
| 302-2.0                |                                            |                                         | ✓       |
| 302-2.5                |                                            |                                         | ✓       |
| 302-3.0                |                                            |                                         | ✓       |
| 303-2.0                |                                            |                                         | ✓       |
| 304-3.5                |                                            |                                         | ✓       |
| 304-4.0                |                                            |                                         | ✓       |
| 305-1.5                |                                            |                                         | ✓       |
| 306-1.5                |                                            |                                         | ✓       |
| 306-2.5                |                                            |                                         | ✓       |
| 306-4.0                |                                            |                                         | ✓       |
| D3/SBK                 |                                            |                                         | ✓       |
| SED1-0-0.1             |                                            |                                         | ✓       |
| SED2-0-0.1             | ✓                                          | ✓                                       |         |
| SED3-0-0.1             | ✓                                          | ✓                                       |         |
| 302-3.8                |                                            |                                         | ✓       |
| 304-3.0                |                                            |                                         | ✓       |
| 302 - [TRIPLICATE]-2.0 |                                            |                                         | ✓       |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                      |
|---------------------------------------------|----------------------|
| <b>Your reference</b>                       | 228674.02 Gloucester |
| <b>Envirolab Reference</b>                  | 378586               |
| <b>Date Sample Received</b>                 | 17/04/2025           |
| <b>Date Instructions Received</b>           | 17/04/2025           |
| <b>Date Results Expected to be Reported</b> | 29/04/2025           |

### Sample Condition

|                                                               |          |
|---------------------------------------------------------------|----------|
| <b>Samples received in appropriate condition for analysis</b> | Yes      |
| <b>No. of Samples Provided</b>                                | 17 Soil  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 4        |
| <b>Cooling Method</b>                                         | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
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**Email:** jhurst@envirolab.com.au

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12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

| Sample ID  | VOCs in soil - Low Level | VTRH(C6-C10)/BTXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | Organochlorine Pesticides in soil | Organophosphorus Pesticides in Soil | PCBs in Soil | Acid Extractable metals in soil | PFAS in Soils Extended | Misc Inorg - Soil | CEC | On Hold |
|------------|--------------------------|---------------------------|-------------------------|--------------|-----------------------------------|-------------------------------------|--------------|---------------------------------|------------------------|-------------------|-----|---------|
| 301-3.0    |                          | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                      | ✓                 |     |         |
| 302-2.0    | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 |     |         |
| 302-2.5    |                          |                           |                         |              |                                   |                                     |              |                                 | ✓                      |                   |     |         |
| 302-3.0    |                          | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 |     |         |
| 303-2.0    | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                      | ✓                 | ✓   |         |
| 304-3.5    |                          |                           |                         |              |                                   |                                     |              |                                 | ✓                      |                   |     |         |
| 304-4.0    |                          | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 |     |         |
| 305-1.5    |                          |                           |                         |              |                                   |                                     |              |                                 | ✓                      | ✓                 |     |         |
| 306-1.5    |                          |                           |                         |              |                                   |                                     |              |                                 | ✓                      |                   |     |         |
| 306-2.5    | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 |     |         |
| 306-4.0    |                          | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 | ✓   |         |
| D3/SBK     |                          | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               |                        | ✓                 |     |         |
| SED1-0-0.1 | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                      | ✓                 | ✓   |         |
| SED2-0-0.1 | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                      | ✓                 |     |         |
| SED3-0-0.1 | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                      | ✓                 |     |         |
| 302-3.8    |                          |                           |                         |              |                                   |                                     |              |                                 |                        |                   |     | ✓       |
| 304-3.0    |                          |                           |                         |              |                                   |                                     |              |                                 |                        |                   |     | ✓       |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                      |
|---------------------------------------------|----------------------|
| <b>Your reference</b>                       | 228674.02 Gloucester |
| <b>Envirolab Reference</b>                  | 378827               |
| <b>Date Sample Received</b>                 | 23/04/2025           |
| <b>Date Instructions Received</b>           | 23/04/2025           |
| <b>Date Results Expected to be Reported</b> | 01/05/2025           |

### Sample Condition

|                                                               |          |
|---------------------------------------------------------------|----------|
| <b>Samples received in appropriate condition for analysis</b> | Yes      |
| <b>No. of Samples Provided</b>                                | 2 Soil   |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 8        |
| <b>Cooling Method</b>                                         | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
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**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*



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12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

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| Sample ID | VOCs in soil - Low Level | vTRH(C6-C10)/BTXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | Organochlorine Pesticides in soil | Organophosphorus Pesticides in Soil | PCBs in Soil | Acid Extractable metals in soil | Misc Inorg - Soil |
|-----------|--------------------------|---------------------------|-------------------------|--------------|-----------------------------------|-------------------------------------|--------------|---------------------------------|-------------------|
| 303-3.0   | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                 |
| 305-3.0   | ✓                        | ✓                         | ✓                       | ✓            | ✓                                 | ✓                                   | ✓            | ✓                               | ✓                 |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

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TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer              |

### Sample Login Details

|                                             |                        |
|---------------------------------------------|------------------------|
| <b>Your reference</b>                       | 228674.02 - Gloucester |
| <b>Envirolab Reference</b>                  | 379259-A               |
| <b>Date Sample Received</b>                 | 30/04/2025             |
| <b>Date Instructions Received</b>           | 12/05/2025             |
| <b>Date Results Expected to be Reported</b> | 19/05/2025             |

### Sample Condition

|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| <b>Samples received in appropriate condition for analysis</b> | Holding time exceedance |
| <b>No. of Samples Provided</b>                                | Additional analysis     |
| <b>Turnaround Time Requested</b>                              | Standard                |
| <b>Temperature on Receipt (°C)</b>                            | 4                       |
| <b>Cooling Method</b>                                         | Ice                     |
| <b>Sampling Date Provided</b>                                 | YES                     |

### Comments

Please contact the laboratory within 24 hours if you wish to cancel the aforementioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
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customerservice@envirolab.com.au

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| Sample ID | svTRH (C10-C40) in Water NEPM<br>Silica gel | svTRH (C10-C40) in Water Pre<br>Clean Up | On Hold |
|-----------|---------------------------------------------|------------------------------------------|---------|
| 101       |                                             |                                          | ✓       |
| 102       |                                             |                                          | ✓       |
| 103       |                                             |                                          | ✓       |
| 104       | ✓                                           | ✓                                        |         |
| 105       | ✓                                           | ✓                                        |         |
| 106       |                                             |                                          | ✓       |
| MW1       | ✓                                           | ✓                                        |         |
| MW2       |                                             |                                          | ✓       |
| 301       |                                             |                                          | ✓       |
| 302       | ✓                                           | ✓                                        |         |
| 303       | ✓                                           | ✓                                        |         |
| 304       | ✓                                           | ✓                                        |         |
| 305       | ✓                                           | ✓                                        |         |
| 306       | ✓                                           | ✓                                        |         |
| D1/GW     |                                             |                                          | ✓       |
| R1/GW     |                                             |                                          | ✓       |
| TB1/GW    |                                             |                                          | ✓       |
| TS1/GW    |                                             |                                          | ✓       |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

### Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

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TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                            |
|------------------|----------------------------|
| <b>Client</b>    | Douglas Partners Newcastle |
| <b>Attention</b> | Joshua Kramer, Sarah Krebs |

### Sample Login Details

|                                             |                        |
|---------------------------------------------|------------------------|
| <b>Your reference</b>                       | 228674.02 - Gloucester |
| <b>Envirolab Reference</b>                  | 379259                 |
| <b>Date Sample Received</b>                 | 30/04/2025             |
| <b>Date Instructions Received</b>           | 30/04/2025             |
| <b>Date Results Expected to be Reported</b> | 07/05/2025             |

### Sample Condition

|                                                               |          |
|---------------------------------------------------------------|----------|
| <b>Samples received in appropriate condition for analysis</b> | Yes      |
| <b>No. of Samples Provided</b>                                | 18 Water |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 4        |
| <b>Cooling Method</b>                                         | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

| <b>Aileen Hie</b>                   | <b>Jacinta Hurst</b>                  |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

Analysis Underway, details on the following page:



| Sample ID | VOCs in Water - Low Level | vTRH(C6-C10)/BTEXN in Water | svTRH (C10-C40) in Water | PAHs in Water | All metals in water-dissolved | PFAS in Water LOW LEVEL Extend | Calcium - Dissolved | Potassium - Dissolved | Sodium - Dissolved | Magnesium - Dissolved | Hardness (calc) equivalent CaCO3 | Hydroxide Alkalinity (OH-) as CaCO3 | Bicarbonate Alkalinity as CaCO3 | Carbonate Alkalinity as CaCO3 | Total Alkalinity as CaCO3 | Sulphate, SO4 | Chloride, Cl | Ionic Balance | pH | Electrical Conductivity | Total Dissolved Solids(grav) | Ammonia as N in water | Nitrate as N in water | Nitrite as N in water | NOx as N in water | Organic Nitrogen as N | Total Nitrogen in water | TKN in water | Metals in Waters -Acid extractable |
|-----------|---------------------------|-----------------------------|--------------------------|---------------|-------------------------------|--------------------------------|---------------------|-----------------------|--------------------|-----------------------|----------------------------------|-------------------------------------|---------------------------------|-------------------------------|---------------------------|---------------|--------------|---------------|----|-------------------------|------------------------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------|-------------------------|--------------|------------------------------------|
| 101       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 102       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 103       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 104       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 105       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 106       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| MW1       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| MW2       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 301       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              | ✓                   | ✓                     | ✓                  | ✓                     | ✓                                | ✓                                   | ✓                               | ✓                             | ✓                         | ✓             | ✓            | ✓             | ✓  | ✓                       | ✓                            | ✓                     | ✓                     | ✓                     | ✓                 | ✓                     | ✓                       | ✓            | ✓                                  |
| 302       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 303       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 304       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 305       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| 306       | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| D1/GW     | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| R1/GW     | ✓                         | ✓                           | ✓                        | ✓             | ✓                             | ✓                              |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               | ✓  | ✓                       |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| TB1/GW    |                           | ✓                           |                          |               |                               |                                |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               |    |                         |                              |                       |                       |                       |                   |                       |                         |              |                                    |
| TS1/GW    |                           | ✓                           |                          |               |                               |                                |                     |                       |                    |                       |                                  |                                     |                                 |                               |                           |               |              |               |    |                         |                              |                       |                       |                       |                   |                       |                         |              |                                    |

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