

December 11, 2024

Dan Lee
Technology Laboratory, Inc.
1012 Centre Avenue
Fort Collins, Colorado 80526

Re: Radium in Groundwater
Work Order: 698521

Dear Dan Lee:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 03, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

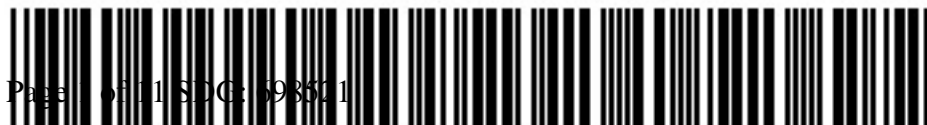
Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4422.

Sincerely,



Jacob Crook
Project Manager

Purchase Order: 4847DL
Enclosures



GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

TELA001 Technology Laboratory, Inc

Client SDG: 698521 GEL Work Order: 698521

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Jacob Crook.

Reviewed by



GEL LABORATORIES LLC

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Certificate of Analysis

Company : Technology Laboratory, Inc.
Address : 1012 Centre Avenue

Fort Collins, Colorado 80526

Report Date: December 11, 2024

Contact: Dan Lee

Project: Radium in Groundwater

Client Sample ID: P124-MW-12-Q4
Sample ID: 698521001
Matrix: Water
Collect Date: 26-NOV-24
Receive Date: 03-DEC-24
Collector: Client

Project: TELA00122
Client ID: TELA001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Gross A/B, Liquid "As Received"</i>														
Alpha		6.84	+/-3.71	4.17	+/-3.89	5.00	pCi/L			CH7	12/09/24	1238	2716426	1
Beta		11.0	+/-3.44	4.22	+/-3.91	5.00	pCi/L							

The following Analytical Methods were performed

Method	Description
1	EPA 900.0/SW846 9310

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Notes:

The MDC is a sample specific MDC.

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

Lc/LC: Critical Level

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Mtd.: Method

PF: Prep Factor

RL: Reporting Limit

TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Technology Laboratory, Inc.
Address : 1012 Centre Avenue

Fort Collins, Colorado 80526

Report Date: December 11, 2024

Contact: Dan Lee

Project: Radium in Groundwater

Client Sample ID: P124-MW-12-Q4DUP

Project: TELA00122

Sample ID: 698521002

Client ID: TELA001

Matrix: Water

Collect Date: 26-NOV-24

Receive Date: 03-DEC-24

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Gross A/B, Liquid "As Received"</i>														
Alpha		6.58	+/-3.44	3.47	+/-3.63	5.00	pCi/L			CH7	12/09/24	1238	2716426	1
Beta		11.5	+/-3.33	3.82	+/-3.85	5.00	pCi/L							

The following Analytical Methods were performed

Method	Description
1	EPA 900.0/SW846 9310

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
---------------------------	------	----------	-----------	-------------------

Notes:

The MDC is a sample specific MDC.

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

Lc/LC: Critical Level

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Mtd.: Method

PF: Prep Factor

RL: Reporting Limit

TPU: Total Propagated Uncertainty

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QC Summary

Report Date: December 11, 2024

Page 1 of 2

Client : Technology Laboratory, Inc.
1012 Centre Avenue

Fort Collins, Colorado

Contact: Dan Lee

Workorder: 698521

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time	
Rad Gas Flow												
Batch	2716426											
QC1205940662	698521001	DUP										
Alpha		6.84		5.07	pCi/L	29.8		(0% - 100%)	CH7	12/09/24	12:38	
		Uncert:	+/-3.71	+/-3.31								
		TPU:	+/-3.89	+/-3.42								
Beta		11.0		13.3	pCi/L	18.7		(0% - 100%)				
		Uncert:	+/-3.44	+/-3.81								
		TPU:	+/-3.91	+/-4.40								
QC1205940665	LCS											
Alpha	118			120	pCi/L		102	(75%-125%)	CH7	12/09/24	12:38	
	Uncert:											
	TPU:											
Beta	456			469	pCi/L		103	(75%-125%)				
	Uncert:											
	TPU:											
QC1205940661	MB											
Alpha			U	0.513	pCi/L					CH7	12/09/24	12:38
	Uncert:											
	TPU:											
Beta			U	-0.835	pCi/L							
	Uncert:											
	TPU:											
QC1205940663	698521001	MS										
Alpha	436	6.84		417	pCi/L		94.1	(75%-125%)	CH7	12/09/24	12:38	
	Uncert:	+/-3.71		+/-42.0								
	TPU:	+/-3.89		+/-85.1								
Beta	1690	11.0		1810	pCi/L		107	(75%-125%)				
	Uncert:	+/-3.44		+/-63.4								
	TPU:	+/-3.91		+/-303								
QC1205940664	698521001	MSD										
Alpha	383	6.84		328	pCi/L	24*	83.7	(0%-20%)	CH7	12/10/24	15:53	
	Uncert:	+/-3.71		+/-35.3								
	TPU:	+/-3.89		+/-65.2								
Beta	1480	11.0		1530	pCi/L	16.8	102	(0%-20%)				
	Uncert:	+/-3.44		+/-54.2								
	TPU:	+/-3.91		+/-261								

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J Value is estimated

GEL LABORATORIES LLC

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QC Summary

Workorder: 698521

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
H	Analytical holding time was exceeded									
<	Result is less than value reported									
>	Result is greater than value reported									
UI	Gamma Spectroscopy--Uncertain identification									
BD	Results are either below the MDC or tracer recovery is low									
h	Preparation or preservation holding time was exceeded									
R	Sample results are rejected									
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
N/A	RPD or %Recovery limits do not apply.									
ND	Analyte concentration is not detected above the detection limit									
M	M if above MDC and less than LLD									
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
FA	Failed analysis.									
UJ	Gamma Spectroscopy--Uncertain identification									
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.									
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.									
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
N1	See case narrative									
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.									
**	Analyte is a Tracer compound									
M	REMP Result > MDC/CL and < RDL									
J	See case narrative for an explanation									
x	Subaliquot was taken. See Case Narrative for details.									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

** Indicates analyte is a surrogate/tracer compound.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Chain of Custody and Analytical Request

GEL Work Order Number:

Client Name: Technology Laboratory	Phone # 970-490-1414	Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)
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Product/Site Name	Ex #	Should 4kic	II	Decorative Time (k)	Decorative Time (k)
Product/Site Name: P124-MW12					

LOG	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
1	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
2	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
3	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
4	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
5	1	2	3	4	5	6																																																																																														

66	considered:	009621
Address: 1012 Centre Ave Fort Collins, CO 80526		

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 Accepted By: Ben Wilson
 Send Results To: info@techlabusa.com

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Sample No.	Date Collected	*Date Collected	Time Collected	Case Information	Location	Number of Samples	Time Required for Sample
1	2/1/2020	2/1/2020	1:00 PM	Case Information	Location	Number of Samples	Time Required for Sample
2	2/1/2020	2/1/2020	1:00 PM	Case Information	Location	Number of Samples	Time Required for Sample
3	2/1/2020	2/1/2020	1:00 PM	Case Information	Location	Number of Samples	Time Required for Sample

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

P124-MW-12-Q4DUP	11/26/2024	Y	W	1	X
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Chain of Custody Signatures	I/AI Requested: Normal: <u> x </u> Rush: <u> </u> Specify: <u> </u> (Subject to Surcharge)
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Relinquished By: (Signed)	Date	Time	Received by (signed)	Date	Time	Fax Results: <input type="checkbox"/> Yes <input type="checkbox"/> No

[illegible][illegible][illegible]

Case No.	Date	Time	Location	Activity	For Lab Retention Use Only		Custody Seal Intact		Counter Temp.	
					Y	N	Y	N	Y	N
Sample Collection Time Zone										
1	11/1/00	11:00	Room 101	Sampled						
2	11/1/00	12:00	Room 101	Sampled						
3	11/1/00	13:00	Room 101	Sampled						
4	11/1/00	14:00	Room 101	Sampled						
5	11/1/00	15:00	Room 101	Sampled						
6	11/1/00	16:00	Room 101	Sampled						
7	11/1/00	17:00	Room 101	Sampled						
8	11/1/00	18:00	Room 101	Sampled						
9	11/1/00	19:00	Room 101	Sampled						
10	11/1/00	20:00	Room 101	Sampled						
11	11/1/00	21:00	Room 101	Sampled						
12	11/1/00	22:00	Room 101	Sampled						
13	11/1/00	23:00	Room 101	Sampled						
14	11/2/00	00:00	Room 101	Sampled						
15	11/2/00	01:00	Room 101	Sampled						
16	11/2/00	02:00	Room 101	Sampled						
17	11/2/00	03:00	Room 101	Sampled						
18	11/2/00	04:00	Room 101	Sampled						
19	11/2/00	05:00	Room 101	Sampled						
20	11/2/00	06:00	Room 101	Sampled						
21	11/2/00	07:00	Room 101	Sampled						
22	11/2/00	08:00	Room 101	Sampled						
23	11/2/00	09:00	Room 101	Sampled						
24	11/2/00	10:00	Room 101	Sampled						
25	11/2/00	11:00	Room 101	Sampled						
26	11/2/00	12:00	Room 101	Sampled						
27	11/2/00	13:00	Room 101	Sampled						
28	11/2/00	14:00	Room 101	Sampled						
29	11/2/00	15:00	Room 101	Sampled						
30	11/2/00	16:00	Room 101	Sampled						
31	11/2/00	17:00	Room 101	Sampled						
32	11/2/00	18:00	Room 101	Sampled						
33	11/2/00	19:00	Room 101	Sampled						
34	11/2/00	20:00	Room 101	Sampled						
35	11/2/00	21:00	Room 101	Sampled						
36	11/2/00	22:00	Room 101	Sampled						
37	11/2/00	23:00	Room 101	Sampled						
38	11/3/00	00:00	Room 101	Sampled						
39	11/3/00	01:00	Room 101	Sampled						
40	11/3/00	02:00	Room 101	Sampled						
41	11/3/00	03:00	Room 101	Sampled						
42	11/3/00	04:00	Room 101	Sampled						
43	11/3/00	05:00	Room 101	Sampled						
44	11/3/00	06:00	Room 101	Sampled						
45	11/3/00	07:00	Room 101	Sampled</						

> For sample shipping and delivery details, see *Sample Receipt & Review form (SRK)*

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SI**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Pipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. **8260B - 3**, **6010B 7470A - 1**)

[illegible]

	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
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	

(c) KEY TO OUR SUSTAINABILITY TERMINOLOGY

CHIEF ACCOUNTING OFFICER	LICENSED WASTE	OTHER
F1 = Flammable/combustible	LW = Listed Waste	OT = Other / Unknown

Please provide any additional details below regarding handling and/or disposal.

RCRA Metals

As = Arsenic	Hg = Mercury	RE = Reactive	Waste code(s):	misc. health hazards, etc.)	of site collected from, odd matrices, etc.)

Description:	
Se= Selenium	
Ba = Barium	

Cr = Chromium
Cd = Cadmium
Misc = Miscellaneous
PCRA metals
PBCHLORINATED
TSCA Regulated
Silver
Ag
Aluminum
Al
Boron
B
Chromium
Cr
Cadmium
Cd
Copper
Cu
Dibutyltin
DBT
Dichlorobisphenol A
DCBP
Diphenyltin
DPT
Diethylhexyltin
DEHT
Diethyltin
DET
Dioctyltin
DOT
Dodecyltin
DDT
Endrin
EPA priority
Environmental
Exposure
Ferrous
Fe
Gallium
Ga
Germanium
Ge
Hazardous
Inorganic
Iodine
I
Iron
Lead
Pb
Nickel
Ni
Organic
Organotin
Oxide
Polychlorinated
PBCHLORINATED
Regulated
Residue
Rubber
Silver
Ag
Sulfur
S
Tin
Titanium
Ti
Toxicity
Trace
Trivalent
Unregulated
Vanadium
V
Zinc
Zn

Pb = Lead
bi = biophenyls
CP = Polyconformated
ACAC = 1,1,1,3,3,3-hexafluoro-4,4'-bis(4-oxo-4,5,5,6-tetrahydropyridin-2-yl)acetylene
CF = Cinnofluorim
CF = Cinnofluorim

[illegible]

SAMPLE RECEIPT & REVIEW FORM

Client: TELA		SDG/AR/COC/Work Order: 698521		
Received By: QG		Date Received: 12/3/24		
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other		
		7702 8903 3692		
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.		
A) Shipped as a DOT Hazardous?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hazard Class Shipped: _____ UN#: _____ If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___		
B) Did the client designate the samples are to be received as radioactive?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	COC notation or radioactive stickers on containers equal client designation.		
C) Did the RSO classify the samples as radioactive?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3		
D) Did the client designate samples are hazardous?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	COC notation or hazard labels on containers equal client designation.		
E) Did the RSO identify possible hazards?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:		
Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 ≤ deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: 18°C
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: If Preservation added, Lot#: _____ If Yes, are Encores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer)
7 Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___ Sample ID's and containers affected:
8 Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected:
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12 Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):				

List of current GEL Certifications as of 11 December 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-44
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

**Radiochemistry
Technical Case Narrative
Technology Laboratory, Inc
SDG #: 698521**

Product: GFPC Gross A/B, Liquid

Analytical Method: EPA 900.0/SW846 9310

Analytical Procedure: GL-RAD-A-001 REV# 20

Analytical Batch: 2716426

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
698521001	P124-MW-12-Q4
698521002	P124-MW-12-Q4DUP
1205940661	Method Blank (MB)
1205940662	698521001(P124-MW-12-Q4) Sample Duplicate (DUP)
1205940663	698521001(P124-MW-12-Q4) Matrix Spike (MS)
1205940664	698521001(P124-MW-12-Q4) Matrix Spike Duplicate (MSD)
1205940665	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between MS and MSD

The Matrix Spike and Matrix Spike Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1205940663MS and 1205940664MSD (P124-MW-12-Q4)	Alpha	RPD 24* (0%-20%)

Technical Information

Gross Alpha/Beta Preparation Information

High hygroscopic salt content in evaporated samples can cause the sample mass to fluctuate due to moisture absorption. To minimize this interference, the salts are converted to oxides by heating the sample under a flame until a dull red color is obtained. The conversion to oxides stabilizes the sample weight and ensures that proper alpha/beta efficiencies are assigned for each sample. Volatile radioisotopes of carbon, hydrogen, technetium, polonium and cesium may be lost during sample heating.

Recounts

Sample 1205940664 (P124-MW-12-Q4MSD) was recounted due to low recovery. The recount is reported.

Miscellaneous Information

Additional Comments

The matrix spike and matrix spike duplicate, 1205940663 (P124-MW-12-Q4MS) and 1205940664 (P124-MW-12-Q4MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.