

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	11/26/24
Project:	RFK Bridge	Date Received:	11/27/24
Client Sample ID:	MW-13	SDG No.:	P5021
Lab Sample ID:	P5021-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140688.D	1	11/27/24 08:40	12/02/24 15:03	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	5.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	0.82	5.10	ug/L
86-73-7	Fluorene	5.10	U	0.97	5.10	ug/L
85-01-8	Phenanthrene	5.10	U	0.90	5.10	ug/L
120-12-7	Anthracene	5.10	U	1.10	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	1.30	5.10	ug/L
129-00-0	Pyrene	5.10	UQ	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	5.10	UQ	0.95	5.10	ug/L
218-01-9	Chrysene	5.10	UQ	0.87	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	5.10	UQ	1.20	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	5.10	U	1.20	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.1		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.0		52 - 132	94%	SPK: 100
1718-51-0	Terphenyl-d14	90.8		48 - 125	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	82100	6.869			
1146-65-2	Naphthalene-d8	307000	8.151			
15067-26-2	Acenaphthene-d10	175000	9.904			
1517-22-2	Phenanthrene-d10	319000	11.398			
1719-03-5	Chrysene-d12	197000	14.051			
1520-96-3	Perylene-d12	158000	15.568			

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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products