

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500



Client:	Cahaba Riverkeeper	Report Date:	December 28, 2022
Attention:	Mr. David Butler	Reference #	48124
Address:	4650 Old Looney Mill Road	P.O. #	verbal
	Birmingham, AL 35243	Project ID:	ELI-CRK

Sample Matrix:	water	Extraction Date:	12/27/22
Date Received:	12/21/22	Analyst:	Hageman/Heard
Date Collected:	12/21/22	Date of Analysis:	12/27/22
Sample Collector:	D. Butler	Method:	EPA Method 8270C

SEMIVOLATILE ORGANIC COMPOUNDS						
	FIELD ID	FIELD ID				Method
ACID AND BASE NEUTRAL	ELI-CRK-1	ELI-CRK-3				Detection
EXTRACTABLE ORGANIC	LAB ID	LAB ID				Limit,
COMPOUNDS, PPM	242223	242225				PPM
Acenaphthene	BDL	BDL				0.001
Acenaphthylene	BDL	BDL				0.001
Anthracene	BDL	BDL				0.001
Benzo(a)anthracene	BDL	BDL				0.001
Benzo(b)fluoranthene	BDL	BDL				0.001
Benzo(k)fluoranthene	BDL	BDL				0.001
Benzo(g,h,i)perylene	BDL	BDL				0.001
Benzo(a)pyrene	BDL	BDL				0.001
Bis(2-chloroethoxy)methane	BDL	BDL				0.002
Bis(2-chloroethyl)ether	BDL	BDL				0.005
Bis(2-chloroisopropyl)ether	BDL	BDL				0.005
Bis(2-ethylhexyl)phthalate	0.005	0.003				0.002
4-bromophenyl phenyl ether	BDL	BDL				0.001
Butyl benzyl phthalate	BDL	BDL				0.002
4-Chloroaniline	BDL	BDL				0.002
2-Chloronaphthalene	BDL	BDL				0.001
4-Chloro-3-methylphenol	BDL	BDL				0.001
2-Chlorophenol	BDL	BDL				0.001
4-Chlorophenyl phenyl ether	BDL	BDL				0.001
Carbazole	BDL	BDL				0.001
Chrysene	BDL	BDL				0.001
Dibenzo(a,h)anthracene	BDL	BDL				0.001
Dibenzofuran	BDL	BDL				0.001
Di-n-butylphthalate	0.023	0.011				0.005

Compound List Continued next page

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SEMIVOLATILE ORGANIC COMPOUNDS						
ACID AND BASE NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS, PPM	FIELD ID	FIELD ID				Method Detection Limit, PPM
	ELI-CRK-1	ELI-CRK-3				
	LAB ID	LAB ID				
	242223	242225				
1,3-Dichlorobenzene	BDL	BDL				0.001
1,4-Dichlorobenzene	BDL	BDL				0.001
1,2-Dichlorobenzene	BDL	BDL				0.001
2,4-Dichlorophenol	BDL	BDL				0.001
Diethylphthalate	BDL	BDL				0.002
2,4-Dimethylphenol	BDL	0.228				0.001
Dimethylphthalate	BDL	BDL				0.001
2,4-Dinitrophenol	BDL	BDL				0.005
2,4-Dinitrotoluene	BDL	BDL				0.001
2,6-Dinitrotoluene	BDL	BDL				0.001
Di-n-octylphthalate	BDL	BDL				0.001
Fluoranthene	BDL	BDL				0.001
Fluorene	BDL	BDL				0.001
Hexachlorobenzene	BDL	BDL				0.001
Hexachlorobutadiene	BDL	BDL				0.001
Hexachlorocyclopentadiene	BDL	BDL				0.050
Hexachloroethane	BDL	BDL				0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL				0.001
Isophorone	BDL	BDL				0.005
2-Methylnaphthalene	BDL	BDL				0.001
2-Methylphenol (o-cresol)	BDL	0.123				0.001
4-Methylphenol (p-cresol)	BDL	0.291				0.001

Compound List Continued next page

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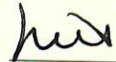


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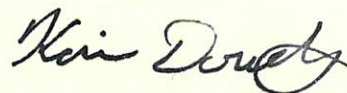
SEMIVOLATILE ORGANIC COMPOUNDS						
	FIELD ID	FIELD ID				Method Detection Limit, PPM
ACID AND BASE NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS, PPM	ELI-CRK-1	ELI-CRK-3				
	LAB ID	LAB ID				
	242223	242225				
Naphthalene	BDL	BDL				0.001
2-Nitroaniline	BDL	BDL				0.010
3-Nitroaniline	BDL	BDL				0.010
4-Nitroaniline	BDL	BDL				0.010
Nitrobenzene	BDL	BDL				0.001
2-Nitrophenol	BDL	BDL				0.005
4-Nitrophenol	BDL	BDL				0.005
N-Nitrosodimethylamine	BDL	BDL				0.001
N-Nitrosodi-n-propylamine	BDL	BDL				0.001
Pentachlorophenol	BDL	BDL				0.050
Phenanthrene	BDL	BDL				0.001
Phenol	BDL	0.208				0.005
Pyrene	BDL	BDL				0.001
1,2,4-Trichlorobenzene	BDL	BDL				0.001
2,4,5-Trichlorophenol	BDL	BDL				0.005
2,4,6-Trichlorophenol	BDL	BDL				0.005

BDL = Below Detection Limit, Method
All results expressed as PPM (mg/L)

 /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety
Analytical Chemist

Quality Environmental Analytical Services

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Sample Matrix:	water	Sample Collector:	D. Butler
Date Received:	12/21/22	Method Reference:	Standard Methods
Date /Time Collected:	12/21/22 @ 1304	Field ID:	ELI-CRK-2
		Lab ID:	242224

Parameter	Result	Units	Date / Time Assay	Analyst	Method	D.L.
COD	384	mg/L	12/27/22 1455	CCR	SM 5220D	1

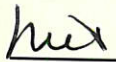
Sample Matrix:	water	Sample Collector:	D. Butler
Date Received:	12/21/22	Method Reference:	Standard Methods
Date /Time Collected:	12/21/22 @ 1304	Field ID:	ELI-CRK-4
		Lab ID:	242226

Parameter	Result	Units	Date / Time Assay	Analyst	Method	D.L.
COD	1,014	mg/L	12/27/22 1455	CCR	SM 5220D	1

COD start date/time: 12/27/22 @ 1255

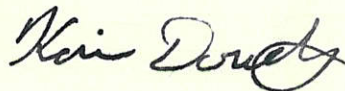
BDL = Below Detection Limit

DL = Detection Limit , Method

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety
Analytical Chemist