

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	WC-38	SDG No.:	O1233
Lab Sample ID:	O1233-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013565.D	1	01/20/23 12:30	01/24/23 11:43	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1700		86.8	200	ug/Kg
208-96-8	Acenaphthylene	80.7	U	80.7	200	ug/Kg
83-32-9	Acenaphthene	92.7	U	92.7	200	ug/Kg
86-73-7	Fluorene	92.6	U	92.6	200	ug/Kg
85-01-8	Phenanthrene	98.2	U	98.2	200	ug/Kg
120-12-7	Anthracene	98.7	U	98.7	200	ug/Kg
206-44-0	Fluoranthene	93.8	U	93.8	200	ug/Kg
129-00-0	Pyrene	87.2	U	87.2	200	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	200	ug/Kg
218-01-9	Chrysene	100	U	100	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.5	U	86.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	79.6	U	79.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	85.3		27 - 109	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.8		30 - 103	67%	SPK: 100
1718-51-0	Terphenyl-d14	63.7		21 - 107	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	254000		8.164		
1146-65-2	Naphthalene-d8	973000		10.993		
15067-26-2	Acenaphthene-d10	545000		14.793		
1517-22-2	Phenanthrene-d10	1080000		17.545		
1719-03-5	Chrysene-d12	971000		21.622		
1520-96-3	Perylene-d12	1160000		24.21		

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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