

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:	B-P38B	SDG No.:	O1233
Lab Sample ID:	O1233-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF132181.D	1	01/20/23 12:30	01/21/23 02:00	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	410	ug/Kg
108-95-2	Phenol	83.8	U	83.8	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.3	U	99.3	210	ug/Kg
95-57-8	2-Chlorophenol	84.5	U	84.5	210	ug/Kg
95-48-7	2-Methylphenol	130	U	130	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	210	ug/Kg
98-86-2	Acetophenone	99.1	U	99.1	210	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.1	U	94.1	99.0	ug/Kg
67-72-1	Hexachloroethane	91.2	U	91.2	210	ug/Kg
98-95-3	Nitrobenzene	91.4	U	91.4	210	ug/Kg
78-59-1	Isophorone	82.4	U	82.4	210	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	210	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	210	ug/Kg
91-20-3	Naphthalene	91.4	U	91.4	210	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	210	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	210	ug/Kg
105-60-2	Caprolactam	120	U	120	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.4	U	97.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	92.8	U	92.8	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	210	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg
208-96-8	Acenaphthylene	85.0	U	85.0	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.6	U	96.6	210	ug/Kg

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99-09-2	3-Nitroaniline	120	U	120	210	ug/Kg
83-32-9	Acenaphthene	97.6	U	97.6	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	410	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	410	ug/Kg
132-64-9	Dibenzofuran	91.8	U	91.8	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	210	ug/Kg
84-66-2	Diethylphthalate	99.6	U	99.6	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	210	ug/Kg
86-73-7	Fluorene	97.5	U	97.5	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	210	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	210	ug/Kg
1912-24-9	Atrazine	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	210	ug/Kg
120-12-7	Anthracene	100	U	100	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	98.7	U	98.7	210	ug/Kg
129-00-0	Pyrene	91.8	U	91.8	210	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	410	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	210	ug/Kg
218-01-9	Chrysene	110	U	110	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.4	U	85.4	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.1	U	91.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	83.8	U	83.8	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	210	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	120	U	120	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	125		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	131		21 - 104	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.0		27 - 109	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.8		30 - 103	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		10 - 121	93%	SPK: 150
1718-51-0	Terphenyl-d14	76.1		21 - 107	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	175000	7.09
1146-65-2	Naphthalene-d8	627000	8.378
15067-26-2	Acenaphthene-d10	339000	10.142
1517-22-2	Phenanthrene-d10	668000	11.636
1719-03-5	Chrysene-d12	453000	14.301
1520-96-3	Perylene-d12	379000	15.895

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1600	AB	5.34	ug/Kg
000119-61-9	Benzophenone	240	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J	12.1	ug/Kg
	unknown12.807	380	J	12.8	ug/Kg
1000309-70-6	Oxalic acid, cyclobutyl hexadecyl	220	J	14.1	ug/Kg
007683-64-9	Supraene	140	J	15.2	ug/Kg

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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