

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-P-18B	SDG No.:	O1232
Lab Sample ID:	O1232-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.06 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
BG056373.D	1	01/20/23 12:30	01/20/23 18:47	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	360	ug/Kg
108-95-2	Phenol	73.9	U	73.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	190	ug/Kg
95-57-8	2-Chlorophenol	74.6	U	74.6	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	87.5	U	87.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	83.1	U	83.1	87.4	ug/Kg
67-72-1	Hexachloroethane	80.5	U	80.5	190	ug/Kg
98-95-3	Nitrobenzene	80.7	U	80.7	190	ug/Kg
78-59-1	Isophorone	72.7	U	72.7	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	89.2	U	89.2	190	ug/Kg
91-20-3	Naphthalene	80.7	U	80.7	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.9	U	85.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	81.9	U	81.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.2	U	93.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.3	U	91.3	190	ug/Kg
92-52-4	1,1-Biphenyl	94.5	U	94.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	88.3	U	88.3	190	ug/Kg
208-96-8	Acenaphthylene	75.0	U	75.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.3	U	85.3	190	ug/Kg

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99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	86.2	U	86.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	360	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	ug/Kg
132-64-9	Dibenzofuran	81.0	U	81.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	190	ug/Kg
84-66-2	Diethylphthalate	87.9	U	87.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	86.0	U	86.0	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.1	U	94.1	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.8	U	89.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	190	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	360	ug/Kg
85-01-8	Phenanthrene	91.3	U	91.3	190	ug/Kg
120-12-7	Anthracene	91.7	U	91.7	190	ug/Kg
86-74-8	Carbazole	91.9	U	91.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.0	U	95.0	190	ug/Kg
206-44-0	Fluoranthene	95.3	J	87.1	190	ug/Kg
129-00-0	Pyrene	110	J	81.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	90.3	U	90.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	360	ug/Kg
56-55-3	Benzo(a)anthracene	94.8	U	94.8	190	ug/Kg
218-01-9	Chrysene	93.4	U	93.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.7	U	96.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.4	U	99.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	J	75.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	80.4	U	80.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	74.2	J	73.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	190	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.6	U	99.6	190	ug/Kg
123-91-1	1,4-Dioxane	97.3	U	97.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.7	U	88.7	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	159		18 - 112	106%	SPK: 150
13127-88-3	Phenol-d6	142		21 - 104	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.4		27 - 109	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.8		30 - 103	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		10 - 121	101%	SPK: 150
1718-51-0	Terphenyl-d14	100		21 - 107	100%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	44000	8.301			
1146-65-2	Naphthalene-d8	169000	11.133			
15067-26-2	Acenaphthene-d10	129000	14.916			
1517-22-2	Phenanthrene-d10	301000	17.654			
1719-03-5	Chrysene-d12	277000	21.944			
1520-96-3	Perylene-d12	301000	25.387			

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	660	AB		5.34	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.5	ug/Kg
000077-94-1	Butyl citrate	150	J		19.9	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	130	J		21.5	ug/Kg

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