

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-35B	SDG No.:	O1232
Lab Sample ID:	O1232-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.3
Sample Wt/Vol:	30.04 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
BP013581.D	1	01/20/23 12:30	01/24/23 21:02	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	350	ug/Kg
108-95-2	Phenol	72.5	U	72.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.0	U	86.0	180	ug/Kg
95-57-8	2-Chlorophenol	73.1	U	73.1	180	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	180	ug/Kg
98-86-2	Acetophenone	85.7	U	85.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	81.5	U	81.5	85.6	ug/Kg
67-72-1	Hexachloroethane	78.9	U	78.9	180	ug/Kg
98-95-3	Nitrobenzene	79.1	U	79.1	180	ug/Kg
78-59-1	Isophorone	71.3	U	71.3	180	ug/Kg
88-75-5	2-Nitrophenol	99.3	U	99.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	ug/Kg
120-83-2	2,4-Dichlorophenol	87.5	U	87.5	180	ug/Kg
91-20-3	Naphthalene	79.1	U	79.1	180	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	180	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	ug/Kg
105-60-2	Caprolactam	110	U	110	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.2	U	84.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	80.3	U	80.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.4	U	91.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.5	U	89.5	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	91.5	U	91.5	180	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg
208-96-8	Acenaphthylene	73.5	U	73.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.6	U	83.6	180	ug/Kg

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99-09-2	3-Nitroaniline	110	U	110	180	ug/Kg
83-32-9	Acenaphthene	84.5	U	84.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	350	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	ug/Kg
132-64-9	Dibenzofuran	79.4	U	79.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.6	U	90.6	180	ug/Kg
84-66-2	Diethylphthalate	86.2	U	86.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	180	ug/Kg
86-73-7	Fluorene	84.3	U	84.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	92.3	U	92.3	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.0	U	88.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	180	ug/Kg
1912-24-9	Atrazine	96.3	U	96.3	180	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	350	ug/Kg
85-01-8	Phenanthrene	89.5	U	89.5	180	ug/Kg
120-12-7	Anthracene	89.9	U	89.9	180	ug/Kg
86-74-8	Carbazole	90.1	U	90.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	93.1	U	93.1	180	ug/Kg
206-44-0	Fluoranthene	85.4	U	85.4	180	ug/Kg
129-00-0	Pyrene	79.4	U	79.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	88.5	U	88.5	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	350	ug/Kg
56-55-3	Benzo(a)anthracene	92.9	U	92.9	180	ug/Kg
218-01-9	Chrysene	98.9	J	91.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	94.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	97.4	U	97.4	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	73.9	U	73.9	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	78.8	U	78.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	72.5	U	72.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	100	U	100	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.6	U	97.6	180	ug/Kg
123-91-1	1,4-Dioxane	95.4	U	95.4	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.9	U	86.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	112		21 - 104	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.8		27 - 109	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 - 103	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		10 - 121	90%	SPK: 150
1718-51-0	Terphenyl-d14	75.4		21 - 107	75%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	365000	8.158			
1146-65-2	Naphthalene-d8	1460000	10.987			
15067-26-2	Acenaphthene-d10	861000	14.792			
1517-22-2	Phenanthrene-d10	1870000	17.545			
1719-03-5	Chrysene-d12	1650000	21.622			
1520-96-3	Perylene-d12	1470000	24.204			

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	830	J		3.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	AB		5.22	ug/Kg
000119-61-9	Benzophenone	99.9	J		16.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	94.2	J		18.4	ug/Kg
010192-32-2	1-Tetracosene	190	J		21.3	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