

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-P38C	SDG No.:	O1233
Lab Sample ID:	O1233-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.9
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
BF132182.D	1	01/20/23 12:30	01/21/23 02:33	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	380	ug/Kg
108-95-2	Phenol	78.7	U	78.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.4	U	93.4	200	ug/Kg
95-57-8	2-Chlorophenol	79.4	U	79.4	200	ug/Kg
95-48-7	2-Methylphenol	120	U	120	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	200	ug/Kg
98-86-2	Acetophenone	93.1	U	93.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.5	U	88.5	93.0	ug/Kg
67-72-1	Hexachloroethane	85.7	U	85.7	200	ug/Kg
98-95-3	Nitrobenzene	85.9	U	85.9	200	ug/Kg
78-59-1	Isophorone	77.4	U	77.4	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	200	ug/Kg
120-83-2	2,4-Dichlorophenol	95.0	U	95.0	200	ug/Kg
91-20-3	Naphthalene	4600	E	85.9	200	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	200	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	200	ug/Kg
105-60-2	Caprolactam	120	U	120	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.5	U	91.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	4300	E	87.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99.3	U	99.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.2	U	97.2	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.4	U	99.4	200	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	200	ug/Kg
131-11-3	Dimethylphthalate	94.1	U	94.1	200	ug/Kg
208-96-8	Acenaphthylene	79.9	U	79.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.8	U	90.8	200	ug/Kg

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99-09-2	3-Nitroaniline	120	U	120	200	ug/Kg
83-32-9	Acenaphthene	91.7	U	91.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	380	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	ug/Kg
132-64-9	Dibenzofuran	86.3	U	86.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.4	U	98.4	200	ug/Kg
84-66-2	Diethylphthalate	93.6	U	93.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	200	ug/Kg
86-73-7	Fluorene	91.6	U	91.6	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.6	U	95.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	200	ug/Kg
1912-24-9	Atrazine	100	U	100	200	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	380	ug/Kg
85-01-8	Phenanthrene	97.2	U	97.2	200	ug/Kg
120-12-7	Anthracene	97.7	U	97.7	200	ug/Kg
86-74-8	Carbazole	97.9	U	97.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	200	ug/Kg
206-44-0	Fluoranthene	92.8	U	92.8	200	ug/Kg
129-00-0	Pyrene	86.3	U	86.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	96.1	U	96.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	380	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	200	ug/Kg
218-01-9	Chrysene	99.4	U	99.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	85.6	U	85.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	78.7	U	78.7	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

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191-24-2	Benzo(g,h,i)perylene	110	U	110	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	200	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.4	U	94.4	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	123		21 - 104	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.6		27 - 109	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.0		30 - 103	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		10 - 121	89%	SPK: 150
1718-51-0	Terphenyl-d14	68.5		21 - 107	68%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	95900	7.101
1146-65-2	Naphthalene-d8	390000	8.389
15067-26-2	Acenaphthene-d10	294000	10.142
1517-22-2	Phenanthrene-d10	606000	11.636
1719-03-5	Chrysene-d12	412000	14.295
1520-96-3	Perylene-d12	356000	15.895

TENTATIVE IDENTIFIED COMPOUNDS

000592-27-8	Heptane, 2-methyl-	910	J	4.26	ug/Kg
000111-65-9	Octane	1400	J	4.82	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	800	J	5.28	ug/Kg
000111-84-2	Nonane	1400	J	6.03	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	1900	J	6.36	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	1100	J	6.64	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	860	J	6.85	ug/Kg
000526-73-8	Benzene, 1,2,3-trimethyl-	2100	J	6.94	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	800	J	7.17	ug/Kg
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	1400	J	7.42	ug/Kg
013151-34-3	Decane, 3-methyl-	1000	J	7.49	ug/Kg
	unknown7.748	1600	J	7.75	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	890	J	7.79	ug/Kg

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000527-84-4	o-Cymene	840	J		7.90	ug/Kg
001595-16-0	Benzene, 1-methyl-4-(1-methylpropyl)-	950	J		7.98	ug/Kg
002050-24-0	Benzene, 1,3-diethyl-5-methyl-	990	J		8.04	ug/Kg
001560-06-1	Benzene, 2-butenyl-	1300	J		8.06	ug/Kg
000824-90-8	1-Phenyl-1-butene	2300	J		8.13	ug/Kg
	unknown8.666	1000	J		8.67	ug/Kg
90-12-0	1-Methylnaphthalene	2000	J		9.20	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