CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

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-P37A	SDG No.:	O1233
Lab Sample ID:	O1233-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.9
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
BG056390.D	1	01/20/23 12:30	01/23/23 19:09	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	370	ug/Kg
108-95-2	Phenol	76.9	U	76.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.2	U	91.2	190	ug/Kg
95-57-8	2-Chlorophenol	77.6	U	77.6	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	91.0	U	91.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.5	U	86.5	90.9	ug/Kg
67-72-1	Hexachloroethane	83.7	U	83.7	190	ug/Kg
98-95-3	Nitrobenzene	84.0	U	84.0	190	ug/Kg
78-59-1	Isophorone	75.7	U	75.7	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	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	92.8	U	92.8	190	ug/Kg
91-20-3	Naphthalene	84.0	U	84.0	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	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.4	U	89.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	85.2	U	85.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.0	U	97.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.0	U	95.0	190	ug/Kg
92-52-4	1,1-Biphenyl	98.3	U	98.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	97.1	U	97.1	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	91.9	U	91.9	190	ug/Kg
208-96-8	Acenaphthylene	78.1	U	78.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.7	U	88.7	190	ug/Kg

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99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	89.6	U	89.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	370	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.1	U	96.1	190	ug/Kg
84-66-2	Diethylphthalate	91.5	U	91.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	190	ug/Kg
86-73-7	Fluorene	89.5	U	89.5	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.9	U	97.9	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.4	U	93.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	370	ug/Kg
85-01-8	Phenanthrene	120	J	95.0	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	95.7	U	95.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	98.8	U	98.8	190	ug/Kg
206-44-0	Fluoranthene	220		90.7	190	ug/Kg
129-00-0	Pyrene	190		84.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	94.0	U	94.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	98.6	U	98.6	190	ug/Kg
218-01-9	Chrysene	110	J	97.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	78.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	83.6	U	83.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	92.4	J	76.9	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	120	U	120	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	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.3	U	92.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	102		21 - 104	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		27 - 109	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		30 - 103	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		10 - 121	67%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		21 - 107	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	38500	8.296			
1146-65-2	Naphthalene-d8	156000	11.128			
15067-26-2	Acenaphthene-d10	129000	14.912			
1517-22-2	Phenanthrene-d10	336000	17.644			
1719-03-5	Chrysene-d12	299000	21.939			
1520-96-3	Perylene-d12	323000	25.37			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	630	AB		5.34	ug/Kg
000119-61-9	Benzophenone	160	J		16.2	ug/Kg
	unknown21.522	110	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