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:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BS	SDG No.:	O1232
Lab Sample ID:	PB150378BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BP013684.D	1	01/20/23 12:30	01/31/23 21:04	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	960		140	330	ug/Kg
108-95-2	Phenol	1600		67.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		80.2	170	ug/Kg
95-57-8	2-Chlorophenol	1600		68.3	170	ug/Kg
95-48-7	2-Methylphenol	1500		110	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		95.8	170	ug/Kg
98-86-2	Acetophenone	1400		80.0	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		97.3	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		76.0	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.7	170	ug/Kg
98-95-3	Nitrobenzene	1400		73.9	170	ug/Kg
78-59-1	Isophorone	1400		66.6	170	ug/Kg
88-75-5	2-Nitrophenol	1400		92.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		98.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		81.6	170	ug/Kg
91-20-3	Naphthalene	1400		73.9	170	ug/Kg
106-47-8	4-Chloroaniline	810		96.2	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		99.3	170	ug/Kg
105-60-2	Caprolactam	1400		99.9	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		78.6	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		75.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	170	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		85.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		83.5	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		86.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		85.4	170	ug/Kg
88-74-4	2-Nitroaniline	1400		110	170	ug/Kg
131-11-3	Dimethylphthalate	1400		80.8	170	ug/Kg
208-96-8	Acenaphthylene	1400		68.7	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		78.0	170	ug/Kg

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99-09-2	3-Nitroaniline	1100		100	170	ug/Kg
83-32-9	Acenaphthene	1600		78.8	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	130	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	140	330	ug/Kg
132-64-9	Dibenzofuran	1400		74.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		84.5	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		93.5	170	ug/Kg
86-73-7	Fluorene	1400		78.7	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		86.1	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		82.1	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		98.3	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		100	170	ug/Kg
1912-24-9	Atrazine	1600		89.9	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	120	330	ug/Kg
85-01-8	Phenanthrene	1400		83.5	170	ug/Kg
120-12-7	Anthracene	1400		83.9	170	ug/Kg
86-74-8	Carbazole	1400		84.1	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		86.9	170	ug/Kg
206-44-0	Fluoranthene	1400		79.7	170	ug/Kg
129-00-0	Pyrene	1600		74.2	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		82.6	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		140	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		86.7	170	ug/Kg
218-01-9	Chrysene	1400		85.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		88.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		90.9	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		69.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		73.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		67.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		100	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		100	170	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1200		96.8	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		91.1	170	ug/Kg
123-91-1	1,4-Dioxane	1100		89.0	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		81.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	146		18 - 112	97%	SPK: 150
13127-88-3	Phenol-d6	144		21 - 104	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		27 - 109	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		30 - 103	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		10 - 121	94%	SPK: 150
1718-51-0	Terphenyl-d14	103		21 - 107	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	8.14			
1146-65-2	Naphthalene-d8	1190000	10.969			
15067-26-2	Acenaphthene-d10	801000	14.775			
1517-22-2	Phenanthrene-d10	1850000	17.528			
1719-03-5	Chrysene-d12	1640000	21.61			
1520-96-3	Perylene-d12	1450000	24.18			

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