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-P38CDL	SDG No.:	O1233
Lab Sample ID:	O1233-11DL	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
BP013590.D	5	01/20/23 12:30	01/25/23 02:09	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	820	UD	820	1900	ug/Kg
108-95-2	Phenol	390	UD	390	990	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	470	UD	470	990	ug/Kg
95-57-8	2-Chlorophenol	400	UD	400	990	ug/Kg
95-48-7	2-Methylphenol	620	UD	620	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	560	UD	560	990	ug/Kg
98-86-2	Acetophenone	470	UD	470	990	ug/Kg
65794-96-9	3+4-Methylphenols	570	UD	570	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	440	UD	440	470	ug/Kg
67-72-1	Hexachloroethane	430	UD	430	990	ug/Kg
98-95-3	Nitrobenzene	430	UD	430	990	ug/Kg
78-59-1	Isophorone	390	UD	390	990	ug/Kg
88-75-5	2-Nitrophenol	540	UD	540	990	ug/Kg
105-67-9	2,4-Dimethylphenol	570	UD	570	990	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	630	UD	630	990	ug/Kg
120-83-2	2,4-Dichlorophenol	470	UD	470	990	ug/Kg
91-20-3	Naphthalene	4300	D	430	990	ug/Kg
106-47-8	4-Chloroaniline	560	UD	560	990	ug/Kg
87-68-3	Hexachlorobutadiene	580	UD	580	990	ug/Kg
105-60-2	Caprolactam	580	UD	580	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	460	UD	460	990	ug/Kg
91-57-6	2-Methylnaphthalene	3600	D	440	990	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	UD	1000	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	UD	500	990	ug/Kg
95-95-4	2,4,5-Trichlorophenol	490	UD	490	990	ug/Kg
92-52-4	1,1-Biphenyl	500	UD	500	990	ug/Kg
91-58-7	2-Chloronaphthalene	500	UD	500	990	ug/Kg
88-74-4	2-Nitroaniline	630	UD	630	990	ug/Kg
131-11-3	Dimethylphthalate	470	UD	470	990	ug/Kg
208-96-8	Acenaphthylene	400	UD	400	990	ug/Kg
606-20-2	2,6-Dinitrotoluene	450	UD	450	990	ug/Kg

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99-09-2	3-Nitroaniline	590	UD	590	990	ug/Kg
83-32-9	Acenaphthene	460	UD	460	990	ug/Kg
51-28-5	2,4-Dinitrophenol	750	UD	750	1900	ug/Kg
100-02-7	4-Nitrophenol	800	UD	800	1900	ug/Kg
132-64-9	Dibenzofuran	430	UD	430	990	ug/Kg
121-14-2	2,4-Dinitrotoluene	490	UD	490	990	ug/Kg
84-66-2	Diethylphthalate	470	UD	470	990	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	UD	540	990	ug/Kg
86-73-7	Fluorene	460	UD	460	990	ug/Kg
100-01-6	4-Nitroaniline	600	UD	600	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	500	UD	500	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	480	UD	480	990	ug/Kg
101-55-3	4-Bromophenyl-phenylether	570	UD	570	990	ug/Kg
118-74-1	Hexachlorobenzene	600	UD	600	990	ug/Kg
1912-24-9	Atrazine	520	UD	520	990	ug/Kg
87-86-5	Pentachlorophenol	680	UD	680	1900	ug/Kg
85-01-8	Phenanthrene	490	UD	490	990	ug/Kg
120-12-7	Anthracene	490	UD	490	990	ug/Kg
86-74-8	Carbazole	490	UD	490	990	ug/Kg
84-74-2	Di-n-butylphthalate	510	UD	510	990	ug/Kg
206-44-0	Fluoranthene	460	UD	460	990	ug/Kg
129-00-0	Pyrene	430	UD	430	990	ug/Kg
85-68-7	Butylbenzylphthalate	480	UD	480	990	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800	UD	800	1900	ug/Kg
56-55-3	Benzo(a)anthracene	500	UD	500	990	ug/Kg
218-01-9	Chrysene	500	UD	500	990	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	520	UD	520	990	ug/Kg
117-84-0	Di-n-octyl phthalate	530	UD	530	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	400	UD	400	990	ug/Kg
207-08-9	Benzo(k)fluoranthene	430	UD	430	990	ug/Kg
50-32-8	Benzo(a)pyrene	390	UD	390	990	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590	UD	590	990	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	590	UD	590	990	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	560	UD	560	990	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	530	UD	530	990	ug/Kg
123-91-1	1,4-Dioxane	520	UD	520	990	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	UD	470	990	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	103		21 - 104	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.9		27 - 109	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 - 103	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		10 - 121	75%	SPK: 150
1718-51-0	Terphenyl-d14	82.7		21 - 107	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	477000	8.157			
1146-65-2	Naphthalene-d8	1980000	10.987			
15067-26-2	Acenaphthene-d10	1240000	14.792			
1517-22-2	Phenanthrene-d10	2590000	17.545			
1719-03-5	Chrysene-d12	1670000	21.616			
1520-96-3	Perylene-d12	1640000	24.204			

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