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-P34AMS	SDG No.:	O1233
Lab Sample ID:	O1233-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.05 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
BF132171.D	1	01/20/23 12:30	01/20/23 20:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		170	390	ug/Kg
108-95-2	Phenol	1700		79.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		94.0	200	ug/Kg
95-57-8	2-Chlorophenol	1800		79.9	200	ug/Kg
95-48-7	2-Methylphenol	1700		130	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	200	ug/Kg
98-86-2	Acetophenone	1600		93.7	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		89.1	93.6	ug/Kg
67-72-1	Hexachloroethane	1800		86.3	200	ug/Kg
98-95-3	Nitrobenzene	1700		86.5	200	ug/Kg
78-59-1	Isophorone	1700		77.9	200	ug/Kg
88-75-5	2-Nitrophenol	2000		110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		120	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		95.6	200	ug/Kg
91-20-3	Naphthalene	1600		86.5	200	ug/Kg
106-47-8	4-Chloroaniline	590		110	200	ug/Kg
87-68-3	Hexachlorobutadiene	1600		120	200	ug/Kg
105-60-2	Caprolactam	2000		120	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		92.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	1500		87.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	200	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		100	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		97.8	200	ug/Kg
92-52-4	1,1-Biphenyl	1600		100	200	ug/Kg
91-58-7	2-Chloronaphthalene	1600		100	200	ug/Kg
88-74-4	2-Nitroaniline	1800		130	200	ug/Kg
131-11-3	Dimethylphthalate	1600		94.7	200	ug/Kg
208-96-8	Acenaphthylene	1600		80.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		91.4	200	ug/Kg

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99-09-2	3-Nitroaniline	1300		120	200	ug/Kg
83-32-9	Acenaphthene	1800		92.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	150	390	ug/Kg
100-02-7	4-Nitrophenol	3900	E	160	390	ug/Kg
132-64-9	Dibenzofuran	1500		86.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		99.0	200	ug/Kg
84-66-2	Diethylphthalate	1700		94.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		110	200	ug/Kg
86-73-7	Fluorene	1600		92.2	200	ug/Kg
100-01-6	4-Nitroaniline	1900		120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		100	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		96.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		120	200	ug/Kg
118-74-1	Hexachlorobenzene	1700		120	200	ug/Kg
1912-24-9	Atrazine	1800		110	200	ug/Kg
87-86-5	Pentachlorophenol	3100		140	390	ug/Kg
85-01-8	Phenanthrene	1500		97.8	200	ug/Kg
120-12-7	Anthracene	1500		98.3	200	ug/Kg
86-74-8	Carbazole	1700		98.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	200	ug/Kg
206-44-0	Fluoranthene	1700		93.4	200	ug/Kg
129-00-0	Pyrene	1600		86.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		160	390	ug/Kg
56-55-3	Benzo(a)anthracene	1700		100	200	ug/Kg
218-01-9	Chrysene	1600		100	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.8	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		86.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	1600		79.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		120	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		120	200	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	1500		110	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		110	200	ug/Kg
123-91-1	1,4-Dioxane	1500		100	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		95.0	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	118		21 - 104	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		27 - 109	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.7		30 - 103	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 121	88%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		21 - 107	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	184000	7.09			
1146-65-2	Naphthalene-d8	674000	8.378			
15067-26-2	Acenaphthene-d10	369000	10.142			
1517-22-2	Phenanthrene-d10	748000	11.642			
1719-03-5	Chrysene-d12	455000	14.307			
1520-96-3	Perylene-d12	406000	15.901			

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