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:	PB150378BL	SDG No.:	O1233
Lab Sample ID:	PB150378BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 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
BP013572.D	1	01/20/23 12:30	01/24/23 15:50	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	330	ug/Kg
108-95-2	Phenol	67.7	U	67.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	80.3	U	80.3	170	ug/Kg
95-57-8	2-Chlorophenol	68.3	U	68.3	170	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.9	U	95.9	170	ug/Kg
98-86-2	Acetophenone	80.1	U	80.1	170	ug/Kg
65794-96-9	3+4-Methylphenols	97.4	U	97.4	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	76.1	U	76.1	80.0	ug/Kg
67-72-1	Hexachloroethane	73.7	U	73.7	170	ug/Kg
98-95-3	Nitrobenzene	73.9	U	73.9	170	ug/Kg
78-59-1	Isophorone	66.6	U	66.6	170	ug/Kg
88-75-5	2-Nitrophenol	92.8	U	92.8	170	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	ug/Kg
120-83-2	2,4-Dichlorophenol	81.7	U	81.7	170	ug/Kg
91-20-3	Naphthalene	73.9	U	73.9	170	ug/Kg
106-47-8	4-Chloroaniline	96.3	U	96.3	170	ug/Kg
87-68-3	Hexachlorobutadiene	99.4	U	99.4	170	ug/Kg
105-60-2	Caprolactam	100	U	100	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.7	U	78.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	75.0	U	75.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.4	U	85.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	170	ug/Kg
92-52-4	1,1-Biphenyl	86.5	U	86.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.5	U	85.5	170	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	170	ug/Kg
131-11-3	Dimethylphthalate	80.9	U	80.9	170	ug/Kg
208-96-8	Acenaphthylene	68.7	U	68.7	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.1	U	78.1	170	ug/Kg

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99-09-2	3-Nitroaniline	100	U	100	170	ug/Kg
83-32-9	Acenaphthene	78.9	U	78.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	330	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	ug/Kg
132-64-9	Dibenzofuran	74.2	U	74.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	84.6	U	84.6	170	ug/Kg
84-66-2	Diethylphthalate	80.5	U	80.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.6	U	93.6	170	ug/Kg
86-73-7	Fluorene	78.8	U	78.8	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.2	U	86.2	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.2	U	82.2	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98.4	U	98.4	170	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	170	ug/Kg
1912-24-9	Atrazine	90.0	U	90.0	170	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	330	ug/Kg
85-01-8	Phenanthrene	83.6	U	83.6	170	ug/Kg
120-12-7	Anthracene	84.0	U	84.0	170	ug/Kg
86-74-8	Carbazole	84.2	U	84.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	170	ug/Kg
206-44-0	Fluoranthene	79.8	U	79.8	170	ug/Kg
129-00-0	Pyrene	74.2	U	74.2	170	ug/Kg
85-68-7	Butylbenzylphthalate	82.7	U	82.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	330	ug/Kg
56-55-3	Benzo(a)anthracene	86.8	U	86.8	170	ug/Kg
218-01-9	Chrysene	85.5	U	85.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	88.6	U	88.6	170	ug/Kg
117-84-0	Di-n-octyl phthalate	91.0	U	91.0	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	69.0	U	69.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.6	U	73.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	67.7	U	67.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	170	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	96.9	U	96.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	170	ug/Kg
123-91-1	1,4-Dioxane	89.1	U	89.1	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.2	U	81.2	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	125		21 - 104	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		27 - 109	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		30 - 103	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 121	88%	SPK: 150
1718-51-0	Terphenyl-d14	70.3		21 - 107	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	291000	8.163			
1146-65-2	Naphthalene-d8	1300000	10.993			
15067-26-2	Acenaphthene-d10	838000	14.798			
1517-22-2	Phenanthrene-d10	1910000	17.551			
1719-03-5	Chrysene-d12	1880000	21.627			
1520-96-3	Perylene-d12	2130000	24.216			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A		5.22	ug/Kg
055124-79-3	Heptadecane, 9-hexyl-	120	J		24.1	ug/Kg
000629-97-0	Docosane	140	J		24.9	ug/Kg
013475-77-9	Eicosane, 9-octyl-	170	J		25.9	ug/Kg
000629-78-7	Heptadecane	120	J		27.0	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