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-P36B	SDG No.:	O1233
Lab Sample ID:	O1233-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.4
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
BF132180.D	1	01/20/23 12:30	01/21/23 01:28	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	360	ug/Kg
108-95-2	Phenol	74.9	U	74.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.8	U	88.8	190	ug/Kg
95-57-8	2-Chlorophenol	75.5	U	75.5	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	88.6	U	88.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	84.2	U	84.2	88.5	ug/Kg
67-72-1	Hexachloroethane	81.5	U	81.5	190	ug/Kg
98-95-3	Nitrobenzene	81.7	U	81.7	190	ug/Kg
78-59-1	Isophorone	73.6	U	73.6	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	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	90.3	U	90.3	190	ug/Kg
91-20-3	Naphthalene	81.7	U	81.7	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	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.0	U	87.0	190	ug/Kg
91-57-6	2-Methylnaphthalene	82.9	U	82.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.4	U	94.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.4	U	92.4	190	ug/Kg
92-52-4	1,1-Biphenyl	95.7	U	95.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.5	U	94.5	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	89.5	U	89.5	190	ug/Kg
208-96-8	Acenaphthylene	76.0	U	76.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.4	U	86.4	190	ug/Kg

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99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	87.2	U	87.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	360	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	ug/Kg
132-64-9	Dibenzofuran	82.1	U	82.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.6	U	93.6	190	ug/Kg
84-66-2	Diethylphthalate	89.0	U	89.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	87.1	U	87.1	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.3	U	95.3	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.9	U	90.9	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	99.5	U	99.5	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	360	ug/Kg
85-01-8	Phenanthrene	92.4	U	92.4	190	ug/Kg
120-12-7	Anthracene	92.9	U	92.9	190	ug/Kg
86-74-8	Carbazole	93.1	U	93.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	96.2	U	96.2	190	ug/Kg
206-44-0	Fluoranthene	88.2	U	88.2	190	ug/Kg
129-00-0	Pyrene	82.1	U	82.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	91.5	U	91.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	360	ug/Kg
56-55-3	Benzo(a)anthracene	96.0	U	96.0	190	ug/Kg
218-01-9	Chrysene	94.5	U	94.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.0	U	98.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	76.3	U	76.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	81.4	U	81.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	74.9	U	74.9	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	110	U	110	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	98.5	U	98.5	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.8	U	89.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.7		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	98.6		21 - 104	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.2		27 - 109	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.5		30 - 103	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.4		10 - 121	54%	SPK: 150
1718-51-0	Terphenyl-d14	61.3		21 - 107	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179000	7.09			
1146-65-2	Naphthalene-d8	646000	8.378			
15067-26-2	Acenaphthene-d10	349000	10.142			
1517-22-2	Phenanthrene-d10	668000	11.636			
1719-03-5	Chrysene-d12	443000	14.301			
1520-96-3	Perylene-d12	381000	15.895			
TENTATIVE IDENTIFIED COMPOUNDS						
000763-93-9	3-Hexen-2-one	79.3	J		4.75	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1400	AB		5.34	ug/Kg
000119-61-9	Benzophenone	99.2	J		10.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	95.8	J		14.1	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