284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	07/01/25
Project:	Watchang Bridge Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILE	SDG No.:	Q2475
Lab Sample ID:	Q2475-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.02 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
BF142981.D	1	07/02/25 08:55	07/02/25 20:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.25	mg/Kg
108-95-2	Phenol	0.017	U	0.017	0.13	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.018	U	0.018	0.13	mg/Kg
95-57-8	2-Chlorophenol	0.018	U	0.018	0.13	mg/Kg
95-48-7	2-Methylphenol	0.023	U	0.023	0.13	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.028	U	0.028	0.13	mg/Kg
98-86-2	Acetophenone	0.022	U	0.022	0.13	mg/Kg
65794-96-9	3+4-Methylphenols	0.031	U	0.031	0.25	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.036	U	0.036	0.060	mg/Kg
67-72-1	Hexachloroethane	0.013	U	0.013	0.13	mg/Kg
98-95-3	Nitrobenzene	0.014	U	0.014	0.13	mg/Kg
78-59-1	Isophorone	0.025	U	0.025	0.13	mg/Kg
88-75-5	2-Nitrophenol	0.044	U	0.044	0.13	mg/Kg
105-67-9	2,4-Dimethylphenol	0.049	U	0.049	0.13	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.023	U	0.023	0.13	mg/Kg
120-83-2	2,4-Dichlorophenol	0.021	U	0.021	0.13	mg/Kg
91-20-3	Naphthalene	0.017	U	0.017	0.13	mg/Kg
106-47-8	4-Chloroaniline	0.027	U	0.027	0.13	mg/Kg
87-68-3	Hexachlorobutadiene	0.019	U	0.019	0.13	mg/Kg
105-60-2	Caprolactam	0.039	U	0.039	0.25	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.022	U	0.022	0.13	mg/Kg
91-57-6	2-Methylnaphthalene	0.019	U	0.019	0.13	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.087	U	0.087	0.25	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.015	U	0.015	0.13	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.022	U	0.022	0.13	mg/Kg
92-52-4	1,1-Biphenyl	0.016	U	0.016	0.13	mg/Kg
91-58-7	2-Chloronaphthalene	0.017	U	0.017	0.13	mg/Kg
88-74-4	2-Nitroaniline	0.036	U	0.036	0.13	mg/Kg
131-11-3	Dimethylphthalate	0.020	U	0.020	0.13	mg/Kg

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Lab Sample ID:	Q2475-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.02 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		

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BF142981.D	1	07/02/25 08:55	07/02/25 20:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.022	U	0.022	0.13	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.025	U	0.025	0.13	mg/Kg
99-09-2	3-Nitroaniline	0.035	U	0.035	0.13	mg/Kg
83-32-9	Acenaphthene	0.016	U	0.016	0.13	mg/Kg
51-28-5	2,4-Dinitrophenol	0.17	U	0.17	0.25	mg/Kg
100-02-7	4-Nitrophenol	0.081	U	0.081	0.25	mg/Kg
132-64-9	Dibenzofuran	0.017	U	0.017	0.13	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.038	U	0.038	0.13	mg/Kg
84-66-2	Diethylphthalate	0.021	U	0.021	0.13	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.020	U	0.020	0.13	mg/Kg
86-73-7	Fluorene	0.070	J	0.019	0.13	mg/Kg
100-01-6	4-Nitroaniline	0.048	U	0.048	0.13	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.078	U	0.078	0.25	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.025	U	0.025	0.13	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.021	U	0.021	0.13	mg/Kg
118-74-1	Hexachlorobenzene	0.019	U	0.019	0.13	mg/Kg
1912-24-9	Atrazine	0.026	U	0.026	0.13	mg/Kg
87-86-5	Pentachlorophenol	0.039	U	0.039	0.25	mg/Kg
85-01-8	Phenanthrene	0.42		0.016	0.13	mg/Kg
120-12-7	Anthracene	0.065	J	0.025	0.13	mg/Kg
86-74-8	Carbazole	0.056	J	0.024	0.13	mg/Kg
84-74-2	Di-n-butylphthalate	0.036	U	0.036	0.13	mg/Kg
206-44-0	Fluoranthene	1.20		0.023	0.13	mg/Kg
129-00-0	Pyrene	0.68		0.027	0.13	mg/Kg
85-68-7	Butylbenzylphthalate	0.054	U	0.054	0.13	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.028	U	0.028	0.25	mg/Kg
56-55-3	Benzo(a)anthracene	0.39		0.017	0.13	mg/Kg
218-01-9	Chrysene	0.50		0.015	0.13	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.045	U	0.045	0.13	mg/Kg
117-84-0	Di-n-octyl phthalate	0.065	U	0.065	0.25	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.66		0.014	0.13	mg/Kg

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Lab Sample ID:	Q2475-01	Matrix:	SOIL
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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 :
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207-08-9	Benzo(k)fluoranthene	0.21		0.017	0.13	mg/Kg
50-32-8	Benzo(a)pyrene	0.31		0.022	0.13	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	J	0.022	0.13	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.021	U	0.021	0.13	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.12	J	0.019	0.13	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.019	U	0.019	0.13	mg/Kg
123-91-1	1,4-Dioxane	0.034	U	0.034	0.13	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.021	U	0.021	0.13	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.8		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	83.7		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.7		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.3		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60100	6.869			
1146-65-2	Naphthalene-d8	223000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.91			
1517-22-2	Phenanthrene-d10	162000	11.404			
1719-03-5	Chrysene-d12	129000	14.051			
1520-96-3	Perylene-d12	108000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A		5.08	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	64.0	J		11.9	ug/Kg
000610-48-0	Anthracene, 1-methyl-	150	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	170	J		12.0	ug/Kg
000084-65-1	9,10-Anthracenedione	66.7	J		12.2	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	65.2	J		12.5	ug/Kg

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002381-21-7	Pyrene, 1-methyl-	57.2	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	100	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	60.7	J		13.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	83.0	J		13.7	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	61.7	J		13.8	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	72.7	J		13.9	ug/Kg
001705-84-6	Triphenylene, 2-methyl-	66.0	J		14.4	ug/Kg
002498-66-0	Benz(a)anthracene-7,12-dione	52.4	J		14.5	ug/Kg
000612-78-2	2,2-Binaphthalene	51.4	J		14.5	ug/Kg
	unknown14.562	66.2	J		14.6	ug/Kg
007476-08-6	Benz(a)anthracene-7-carbonitrile	58.7	J		14.9	ug/Kg
000192-97-2	Benzo[e]pyrene	120	J		15.2	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