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

Report of Analysis

Client:	PSEG	Date Collected:	07/30/25
Project:	Row Watchung Bridge Replacement	Date Received:	07/30/25
Client Sample ID:	WBR-PBO	SDG No.:	Q2726
Lab Sample ID:	Q2726-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
Sample Wt/Vol:	50.08 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
BP025281.D	1	07/31/25 08:45	07/31/25 15:30	PB169066

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	0.016	U	0.016	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	0.022	U	0.022	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	0.035	U	0.035	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	0.024	U	0.024	0.13	mg/Kg
88-75-5	2-Nitrophenol	0.043	U	0.043	0.13	mg/Kg
105-67-9	2,4-Dimethylphenol	0.048	U	0.048	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	0.026	U	0.026	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	0.021	U	0.021	0.13	mg/Kg
91-57-6	2-Methylnaphthalene	0.019	U	0.019	0.13	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.086	U	0.086	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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Sample Wt/Vol:	50.08 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 :
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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025281.D	1	07/31/25 08:45	07/31/25 15:30	PB169066

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	0.034	U	0.034	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	0.080	U	0.080	0.25	mg/Kg
132-64-9	Dibenzofuran	0.017	U	0.017	0.13	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.037	U	0.037	0.13	mg/Kg
84-66-2	Diethylphthalate	0.088	J	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	0.019	U	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	0.077	U	0.077	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	0.025	U	0.025	0.13	mg/Kg
87-86-5	Pentachlorophenol	0.038	U	0.038	0.25	mg/Kg
85-01-8	Phenanthrene	0.10	J	0.016	0.13	mg/Kg
120-12-7	Anthracene	0.025	U	0.025	0.13	mg/Kg
86-74-8	Carbazole	0.023	U	0.023	0.13	mg/Kg
84-74-2	Di-n-butylphthalate	0.062	J	0.036	0.13	mg/Kg
206-44-0	Fluoranthene	0.24		0.022	0.13	mg/Kg
129-00-0	Pyrene	0.24		0.027	0.13	mg/Kg
85-68-7	Butylbenzylphthalate	0.053	U	0.053	0.13	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.027	U	0.027	0.25	mg/Kg
56-55-3	Benzo(a)anthracene	0.13		0.017	0.13	mg/Kg
218-01-9	Chrysene	0.16		0.015	0.13	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.044	U	0.044	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	0.22		0.014	0.13	mg/Kg

Alliance TECHNICAL GROUP
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Lab Sample ID:	Q2726-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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207-08-9	Benzo(k)fluoranthene	0.076	J	0.017	0.13	mg/Kg
50-32-8	Benzo(a)pyrene	0.13		0.022	0.13	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.077	J	0.022	0.13	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.020	U	0.020	0.13	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.089	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	0.020	U	0.020	0.13	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		18 - 112	72%	SPK: 150
13127-88-3	Phenol-d6	108		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.6		18 - 107	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.2		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		10 - 116	69%	SPK: 150
1718-51-0	Terphenyl-d14	57.5		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	359000	7.396			
1146-65-2	Naphthalene-d8	1380000	10.131			
15067-26-2	Acenaphthene-d10	828000	14.042			
1517-22-2	Phenanthrene-d10	1660000	16.866			
1719-03-5	Chrysene-d12	2010000	21.289			
1520-96-3	Perylene-d12	2480000	24.395			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A		4.64	ug/Kg
000057-11-4	Octadecanoic acid	110	J		15.2	ug/Kg
001002-84-2	Pentadecanoic acid	160	J		15.2	ug/Kg
000544-63-8	Tetradecanoic acid	730	J		15.3	ug/Kg
000119-61-9	Benzophenone	310	J		15.4	ug/Kg
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	470	J		17.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J		17.8	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
004206-58-0	trans-Sinapaldehyde	60.3	J		18.1	ug/Kg
	unknown18.266	71.4	J		18.3	ug/Kg
000629-92-5	Nonadecane	81.6	J		18.7	ug/Kg
000112-95-8	Eicosane	760	J		20.4	ug/Kg
000630-01-3	Hexacosane	510	J		21.1	ug/Kg
055124-79-3	Heptadecane, 9-hexyl-	870	J		21.9	ug/Kg
000646-31-1	Tetracosane	850	J		22.7	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	83.1	J		22.8	ug/Kg
000593-45-3	Octadecane	880	J		23.7	ug/Kg
000629-94-7	Heneicosane	590	J		24.8	ug/Kg
001720-12-3	2-Methylhentriacontane	230	J		25.7	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	410	J		26.2	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