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

Report of Analysis

Client:	PSEG			Date Collected:	04/21/25
Project:	Lawrenceville HQ			Date Received:	04/21/25
Client Sample ID:	RBR200027			SDG No.:	Q1848
Lab Sample ID:	Q1848-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.9
Sample Wt/Vol:	50.04	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
BM049997.D	2	04/22/25 09:20	04/22/25 15:49	PB167689

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.21	U	0.21	0.45	mg/Kg
108-95-2	Phenol	0.030	U	0.030	0.23	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.033	U	0.033	0.23	mg/Kg
95-57-8	2-Chlorophenol	0.033	U	0.033	0.23	mg/Kg
95-48-7	2-Methylphenol	0.040	U	0.040	0.23	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.051	U	0.051	0.23	mg/Kg
98-86-2	Acetophenone	0.040	U	0.040	0.23	mg/Kg
65794-96-9	3+4-Methylphenols	0.055	U	0.055	0.45	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.064	U	0.064	0.11	mg/Kg
67-72-1	Hexachloroethane	0.024	U	0.024	0.23	mg/Kg
98-95-3	Nitrobenzene	0.025	U	0.025	0.23	mg/Kg
78-59-1	Isophorone	0.044	U	0.044	0.23	mg/Kg
88-75-5	2-Nitrophenol	0.079	U	0.079	0.23	mg/Kg
105-67-9	2,4-Dimethylphenol	0.087	U	0.087	0.23	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.042	U	0.042	0.23	mg/Kg
120-83-2	2,4-Dichlorophenol	0.038	U	0.038	0.23	mg/Kg
91-20-3	Naphthalene	0.031	U	0.031	0.23	mg/Kg
106-47-8	4-Chloroaniline	0.048	U	0.048	0.23	mg/Kg
87-68-3	Hexachlorobutadiene	0.034	U	0.034	0.23	mg/Kg
105-60-2	Caprolactam	0.070	U	0.070	0.45	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.039	U	0.039	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.035	U	0.035	0.23	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.16	U	0.16	0.45	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.027	U	0.027	0.23	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.039	U	0.039	0.23	mg/Kg
92-52-4	1,1-Biphenyl	0.029	U	0.029	0.23	mg/Kg
91-58-7	2-Chloronaphthalene	0.030	U	0.030	0.23	mg/Kg
88-74-4	2-Nitroaniline	0.065	U	0.065	0.23	mg/Kg
131-11-3	Dimethylphthalate	0.037	U	0.037	0.23	mg/Kg

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Analytical Method:	SW8270			% Solid:	88.9
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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 :
Prep Method :	SW3541				

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.18	J	0.039	0.23	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.045	U	0.045	0.23	mg/Kg
99-09-2	3-Nitroaniline	0.062	U	0.062	0.23	mg/Kg
83-32-9	Acenaphthene	0.029	U	0.029	0.23	mg/Kg
51-28-5	2,4-Dinitrophenol	0.31	U	0.31	0.45	mg/Kg
100-02-7	4-Nitrophenol	0.14	U	0.14	0.45	mg/Kg
132-64-9	Dibenzofuran	0.031	U	0.031	0.23	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.068	U	0.068	0.23	mg/Kg
84-66-2	Diethylphthalate	0.038	U	0.038	0.23	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	0.036	0.23	mg/Kg
86-73-7	Fluorene	0.034	U	0.034	0.23	mg/Kg
100-01-6	4-Nitroaniline	0.087	U	0.087	0.23	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.45	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.044	U	0.044	0.23	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.038	U	0.038	0.23	mg/Kg
118-74-1	Hexachlorobenzene	0.034	U	0.034	0.23	mg/Kg
1912-24-9	Atrazine	0.046	U	0.046	0.23	mg/Kg
87-86-5	Pentachlorophenol	0.13	J	0.069	0.45	mg/Kg
85-01-8	Phenanthrene	0.46		0.028	0.23	mg/Kg
120-12-7	Anthracene	0.36		0.045	0.23	mg/Kg
86-74-8	Carbazole	0.15	J	0.042	0.23	mg/Kg
84-74-2	Di-n-butylphthalate	0.065	U	0.065	0.23	mg/Kg
206-44-0	Fluoranthene	1.80		0.041	0.23	mg/Kg
129-00-0	Pyrene	2.00		0.049	0.23	mg/Kg
85-68-7	Butylbenzylphthalate	0.096	U	0.096	0.23	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.050	U	0.050	0.45	mg/Kg
56-55-3	Benzo(a)anthracene	0.71		0.031	0.23	mg/Kg
218-01-9	Chrysene	1.20		0.027	0.23	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.080	U	0.080	0.23	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.45	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.026	0.23	mg/Kg

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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	0.45		0.030	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.57		0.040	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.039	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.099	J	0.037	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.34		0.035	0.23	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.035	U	0.035	0.23	mg/Kg
123-91-1	1,4-Dioxane	0.061	U	0.061	0.23	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.037	U	0.037	0.23	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	100		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.7		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		20 - 109	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	71%	SPK: 150
1718-51-0	Terphenyl-d14	73.3		10 - 105	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	275000	7.763			
1146-65-2	Naphthalene-d8	941000	10.563			
15067-26-2	Acenaphthene-d10	617000	14.41			
1517-22-2	Phenanthrene-d10	1220000	17.157			
1719-03-5	Chrysene-d12	1170000	21.398			
1520-96-3	Perylene-d12	1220000	24.403			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A		4.89	ug/Kg
000119-61-9	Benzophenone	130	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	600	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	220	J		18.2	ug/Kg
000084-65-1	9,10-Anthracenedione	190	J		18.6	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	150	J		19.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	260	J		19.1	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	94.0	J		19.3	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J		19.9	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	110	J		20.1	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	120	J		20.8	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	120	J		21.1	ug/Kg
000192-97-2	Benzo[e]pyrene	920	J		24.1	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