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

Report of Analysis

Client:	PSEG	Date Collected:	05/05/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	05/05/25
Client Sample ID:	HD-01-050525	SDG No.:	Q1962
Lab Sample ID:	Q1962-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86
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
BM050127.D	5	05/06/25 09:25	05/06/25 19:54	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.54	U	0.54	1.20	mg/Kg
108-95-2	Phenol	0.077	U	0.077	0.59	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.085	U	0.085	0.59	mg/Kg
95-57-8	2-Chlorophenol	0.085	U	0.085	0.59	mg/Kg
95-48-7	2-Methylphenol	0.10	U	0.10	0.59	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.13	U	0.13	0.59	mg/Kg
98-86-2	Acetophenone	0.10	U	0.10	0.59	mg/Kg
65794-96-9	3+4-Methylphenols	0.14	U	0.14	1.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.17	U	0.17	0.28	mg/Kg
67-72-1	Hexachloroethane	0.061	U	0.061	0.59	mg/Kg
98-95-3	Nitrobenzene	0.064	U	0.064	0.59	mg/Kg
78-59-1	Isophorone	0.11	U	0.11	0.59	mg/Kg
88-75-5	2-Nitrophenol	0.20	U	0.20	0.59	mg/Kg
105-67-9	2,4-Dimethylphenol	0.23	U	0.23	0.59	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	0.11	0.59	mg/Kg
120-83-2	2,4-Dichlorophenol	0.099	U	0.099	0.59	mg/Kg
91-20-3	Naphthalene	0.079	U	0.079	0.59	mg/Kg
106-47-8	4-Chloroaniline	0.12	U	0.12	0.59	mg/Kg
87-68-3	Hexachlorobutadiene	0.088	U	0.088	0.59	mg/Kg
105-60-2	Caprolactam	0.18	U	0.18	1.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.10	U	0.10	0.59	mg/Kg
91-57-6	2-Methylnaphthalene	0.089	U	0.089	0.59	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.40	U	0.40	1.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.069	U	0.069	0.59	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.10	U	0.10	0.59	mg/Kg
92-52-4	1,1-Biphenyl	0.076	U	0.076	0.59	mg/Kg
91-58-7	2-Chloronaphthalene	0.079	U	0.079	0.59	mg/Kg
88-74-4	2-Nitroaniline	0.17	U	0.17	0.59	mg/Kg
131-11-3	Dimethylphthalate	0.095	U	0.095	0.59	mg/Kg

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Client Sample ID:	HD-01-050525	SDG No.:	Q1962
Lab Sample ID:	Q1962-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86
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
BM050127.D	5	05/06/25 09:25	05/06/25 19:54	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.10	U	0.10	0.59	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.12	U	0.12	0.59	mg/Kg
99-09-2	3-Nitroaniline	0.16	U	0.16	0.59	mg/Kg
83-32-9	Acenaphthene	0.074	U	0.074	0.59	mg/Kg
51-28-5	2,4-Dinitrophenol	0.80	U	0.80	1.20	mg/Kg
100-02-7	4-Nitrophenol	0.37	U	0.37	1.20	mg/Kg
132-64-9	Dibenzofuran	0.079	U	0.079	0.59	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.17	U	0.17	0.59	mg/Kg
84-66-2	Diethylphthalate	0.099	U	0.099	0.59	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.093	U	0.093	0.59	mg/Kg
86-73-7	Fluorene	0.088	U	0.088	0.59	mg/Kg
100-01-6	4-Nitroaniline	0.22	U	0.22	0.59	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.36	U	0.36	1.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.11	U	0.11	0.59	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.097	U	0.097	0.59	mg/Kg
118-74-1	Hexachlorobenzene	0.088	U	0.088	0.59	mg/Kg
1912-24-9	Atrazine	0.12	U	0.12	0.59	mg/Kg
87-86-5	Pentachlorophenol	0.18	U	0.18	1.20	mg/Kg
85-01-8	Phenanthrene	0.073	U	0.073	0.59	mg/Kg
120-12-7	Anthracene	0.12	U	0.12	0.59	mg/Kg
86-74-8	Carbazole	0.11	U	0.11	0.59	mg/Kg
84-74-2	Di-n-butylphthalate	0.17	U	0.17	0.59	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.10	0.59	mg/Kg
129-00-0	Pyrene	0.13	U	0.13	0.59	mg/Kg
85-68-7	Butylbenzylphthalate	0.25	U	0.25	0.59	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.13	U	0.13	1.20	mg/Kg
56-55-3	Benzo(a)anthracene	0.080	U	0.080	0.59	mg/Kg
218-01-9	Chrysene	0.069	U	0.069	0.59	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.21	U	0.21	0.59	mg/Kg
117-84-0	Di-n-octyl phthalate	0.30	U	0.30	1.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.066	U	0.066	0.59	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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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.078	U	0.078	0.59	mg/Kg
50-32-8	Benzo(a)pyrene	0.10	U	0.10	0.59	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	0.10	0.59	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.096	U	0.096	0.59	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.090	U	0.090	0.59	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.089	U	0.089	0.59	mg/Kg
123-91-1	1,4-Dioxane	0.16	U	0.16	0.59	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.096	U	0.096	0.59	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.3		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	64.5		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	37.3		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.3		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.2		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	33.8		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	314000	7.745			
1146-65-2	Naphthalene-d8	1110000	10.539			
15067-26-2	Acenaphthene-d10	726000	14.392			
1517-22-2	Phenanthrene-d10	1400000	17.145			
1719-03-5	Chrysene-d12	1240000	21.386			
1520-96-3	Perylene-d12	1320000	24.38			
TENTATIVE IDENTIFIED COMPOUNDS						
062238-11-3	Decane, 2,3,5-trimethyl-	320	J		12.0	ug/Kg
000629-59-4	Tetradecane	420	J		13.2	ug/Kg
000629-92-5	Nonadecane	310	J		13.9	ug/Kg
000629-78-7	Heptadecane	810	J		14.3	ug/Kg
000630-02-4	Octacosane	250	J		14.9	ug/Kg
000544-76-3	Hexadecane	1100	J		15.2	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	510	J		15.7	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000593-49-7	Heptacosane	1400	J		16.1	ug/Kg
000629-94-7	Heneicosane	1300	J		16.9	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	680	J		17.0	ug/Kg
000629-62-9	Pentadecane	1200	J		17.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	280	J		18.0	ug/Kg
055045-14-2	Tetradecane, 4-ethyl-	1100	J		18.3	ug/Kg
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	1100	J		19.0	ug/Kg
035599-77-0	Tridecane, 1-iodo-	660	J		19.5	ug/Kg
000593-45-3	Octadecane	430	J		20.1	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	300	J		20.6	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