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

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Clay St Substation	Date Received:	03/05/25
Client Sample ID:	CLAY-SLUDGE-DRUMS	SDG No.:	Q1490
Lab Sample ID:	Q1490-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	73.8
Sample Wt/Vol:	50.05 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
BF141879.D	1	03/06/25 09:10	03/06/25 20:27	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.27	U	0.15	0.27	mg/Kg
108-95-2	Phenol	0.14	U	0.067	0.14	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.068	0.14	mg/Kg
95-57-8	2-Chlorophenol	0.14	U	0.068	0.14	mg/Kg
95-48-7	2-Methylphenol	0.14	U	0.066	0.14	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.14	U	0.074	0.14	mg/Kg
98-86-2	Acetophenone	0.14	U	0.071	0.14	mg/Kg
65794-96-9	3+4-Methylphenols	0.27	U	0.065	0.27	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.065	U	0.033	0.065	mg/Kg
67-72-1	Hexachloroethane	0.14	U	0.067	0.14	mg/Kg
98-95-3	Nitrobenzene	0.14	U	0.074	0.14	mg/Kg
78-59-1	Isophorone	0.14	U	0.069	0.14	mg/Kg
88-75-5	2-Nitrophenol	0.14	U	0.077	0.14	mg/Kg
105-67-9	2,4-Dimethylphenol	0.14	U	0.076	0.14	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.14	U	0.070	0.14	mg/Kg
120-83-2	2,4-Dichlorophenol	0.14	U	0.061	0.14	mg/Kg
91-20-3	Naphthalene	0.14	U	0.067	0.14	mg/Kg
106-47-8	4-Chloroaniline	0.14	U	0.067	0.14	mg/Kg
87-68-3	Hexachlorobutadiene	0.14	U	0.068	0.14	mg/Kg
105-60-2	Caprolactam	0.27	U	0.071	0.27	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.14	U	0.063	0.14	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.067	0.14	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.27	U	0.13	0.27	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.14	U	0.058	0.14	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.14	U	0.060	0.14	mg/Kg
92-52-4	1,1-Biphenyl	0.14	U	0.071	0.14	mg/Kg
91-58-7	2-Chloronaphthalene	0.14	U	0.068	0.14	mg/Kg
88-74-4	2-Nitroaniline	0.14	U	0.077	0.14	mg/Kg
131-11-3	Dimethylphthalate	0.14	U	0.066	0.14	mg/Kg

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Lab Sample ID:	Q1490-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	73.8
Sample Wt/Vol:	50.05 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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BF141879.D	1	03/06/25 09:10	03/06/25 20:27	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.14	U	0.070	0.14	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.14	U	0.068	0.14	mg/Kg
99-09-2	3-Nitroaniline	0.14	U	0.072	0.14	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.066	0.14	mg/Kg
51-28-5	2,4-Dinitrophenol	0.27	U	0.20	0.27	mg/Kg
100-02-7	4-Nitrophenol	0.27	U	0.094	0.27	mg/Kg
132-64-9	Dibenzofuran	0.14	U	0.069	0.14	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.14	U	0.070	0.14	mg/Kg
84-66-2	Diethylphthalate	0.14	U	0.065	0.14	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.14	U	0.070	0.14	mg/Kg
86-73-7	Fluorene	0.14	U	0.069	0.14	mg/Kg
100-01-6	4-Nitroaniline	0.14	U	0.087	0.14	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.27	U	0.095	0.27	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.14	U	0.066	0.14	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.14	U	0.064	0.14	mg/Kg
118-74-1	Hexachlorobenzene	0.14	U	0.069	0.14	mg/Kg
1912-24-9	Atrazine	0.14	U	0.074	0.14	mg/Kg
87-86-5	Pentachlorophenol	0.27	U	0.063	0.27	mg/Kg
85-01-8	Phenanthrene	0.17		0.068	0.14	mg/Kg
120-12-7	Anthracene	0.14	U	0.069	0.14	mg/Kg
86-74-8	Carbazole	0.14	U	0.065	0.14	mg/Kg
84-74-2	Di-n-butylphthalate	0.14	U	0.069	0.14	mg/Kg
206-44-0	Fluoranthene	0.33		0.066	0.14	mg/Kg
129-00-0	Pyrene	0.23		0.067	0.14	mg/Kg
85-68-7	Butylbenzylphthalate	0.12	J	0.079	0.14	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.27	U	0.080	0.27	mg/Kg
56-55-3	Benzo(a)anthracene	0.14		0.066	0.14	mg/Kg
218-01-9	Chrysene	0.16		0.065	0.14	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.64		0.074	0.14	mg/Kg
117-84-0	Di-n-octyl phthalate	0.27	U	0.089	0.27	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.18		0.066	0.14	mg/Kg

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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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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.075	J	0.067	0.14	mg/Kg
50-32-8	Benzo(a)pyrene	0.14		0.076	0.14	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.064	J	0.063	0.14	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.066	0.14	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.075	J	0.065	0.14	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.14	U	0.071	0.14	mg/Kg
123-91-1	1,4-Dioxane	0.14	U	0.089	0.14	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.14	U	0.061	0.14	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.5		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	77.7		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		18 - 107	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.4		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.7		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	44.4		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.887			
1146-65-2	Naphthalene-d8	572000	8.163			
15067-26-2	Acenaphthene-d10	275000	9.922			
1517-22-2	Phenanthrene-d10	437000	11.41			
1719-03-5	Chrysene-d12	390000	14.039			
1520-96-3	Perylene-d12	391000	15.515			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	760	J		2.16	ug/Kg
000111-76-2	Ethanol, 2-butoxy-	1500	J		5.84	ug/Kg
000629-50-5	Tridecane	480	J		8.76	ug/Kg
000629-59-4	Tetradecane	930	J		9.32	ug/Kg
066563-30-2	Bacchotricuneatin c	270	J		9.57	ug/Kg
000544-76-3	Hexadecane	920	J		9.64	ug/Kg
000629-62-9	Pentadecane	950	J		9.85	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1000309-17-9	Sulfurous acid, butyl dodecyl este	280	J		10.1	ug/Kg
055045-10-8	Tridecane, 6-propyl-	340	J		10.2	ug/Kg
000629-94-7	Heneicosane	1200	J		10.4	ug/Kg
003054-63-5	Dodecane, 4,9-dipropyl-	840	J		10.6	ug/Kg
000629-92-5	Nonadecane	1800	J		10.8	ug/Kg
013287-23-5	Heptadecane, 8-methyl-	1100	J		11.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	630	J		11.3	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	910	J		11.7	ug/Kg
000112-95-8	Eicosane	800	J		12.1	ug/Kg
000646-31-1	Tetracosane	610	J		12.5	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	680	J		14.7	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	430	J		15.2	ug/Kg
000360-68-9	Cholestan-3-ol, (3.beta.,5.beta.)-	860	J		16.2	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