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

Report of Analysis

Client:	PSEG	Date Collected:	07/14/25
Project:	Kingsland Switching Station	Date Received:	07/14/25
Client Sample ID:	CHRT-24849	SDG No.:	Q2595
Lab Sample ID:	Q2595-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	44.8
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
BP025150.D	1	07/15/25 09:05	07/15/25 18:02	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.21	U	0.21	0.44	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)	0.050	U	0.050	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	0.44	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.063	U	0.063	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	0.078	U	0.078	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	0.041	U	0.041	0.23	mg/Kg
120-83-2	2,4-Dichlorophenol	0.038	U	0.038	0.23	mg/Kg
91-20-3	Naphthalene	0.030	U	0.030	0.23	mg/Kg
106-47-8	4-Chloroaniline	0.047	U	0.047	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	0.44	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.038	U	0.038	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.034	U	0.034	0.23	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.16	U	0.16	0.44	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	0.064	U	0.064	0.23	mg/Kg
131-11-3	Dimethylphthalate	0.036	U	0.036	0.23	mg/Kg

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208-96-8	Acenaphthylene	0.039	U	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	0.44	mg/Kg
100-02-7	4-Nitrophenol	0.14	U	0.14	0.44	mg/Kg
132-64-9	Dibenzofuran	0.030	U	0.030	0.23	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.067	U	0.067	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	0.086	U	0.086	0.23	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.44	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.044	U	0.044	0.23	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.037	U	0.037	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	0.069	U	0.069	0.44	mg/Kg
85-01-8	Phenanthrene	0.71		0.028	0.23	mg/Kg
120-12-7	Anthracene	0.045	U	0.045	0.23	mg/Kg
86-74-8	Carbazole	0.042	U	0.042	0.23	mg/Kg
84-74-2	Di-n-butylphthalate	0.064	U	0.064	0.23	mg/Kg
206-44-0	Fluoranthene	0.32		0.040	0.23	mg/Kg
129-00-0	Pyrene	0.18	J	0.048	0.23	mg/Kg
85-68-7	Butylbenzylphthalate	0.096	U	0.096	0.23	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.049	U	0.049	0.44	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	J	0.031	0.23	mg/Kg
218-01-9	Chrysene	0.14	J	0.027	0.23	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.53		0.079	0.23	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.44	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.18	J	0.025	0.23	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.030	U	0.030	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.16	J	0.040	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.095	J	0.039	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.037	U	0.037	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	J	0.034	0.23	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.034	U	0.034	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	67.6		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	65.5		15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.8		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.4		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	32.5		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	781000	7.443			
1146-65-2	Naphthalene-d8	2990000	10.184			
15067-26-2	Acenaphthene-d10	1620000	14.107			
1517-22-2	Phenanthrene-d10	1610000	16.966			
1719-03-5	Chrysene-d12	3410000	21.378			
1520-96-3	Perylene-d12	4310000	24.507			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A		4.67	ug/Kg
000149-57-5	Hexanoic acid, 2-ethyl-	130	J		8.75	ug/Kg
000702-79-4	Adamantane, 1,3-dimethyl-	120	J		9.29	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	160	J		9.38	ug/Kg
000700-56-1	2-Methyladamantane	170	J		10.1	ug/Kg
003748-83-2	Pyridine, pentamethyl-	190	J		10.3	ug/Kg
000150-76-5	Mequinol	420	J		10.4	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown10.613	150	J		10.6	ug/Kg
	unknown10.749	240	J		10.7	ug/Kg
024139-37-5	1,3,6-Trimethyladamantane	210	J		10.8	ug/Kg
014670-94-1	3,5-Dimethyl-1-adamantanecarboxyli	420	J		10.9	ug/Kg
	unknown11.296	910	J		11.3	ug/Kg
	unknown11.690	330	J		11.7	ug/Kg
	unknown11.960	440	J		12.0	ug/Kg
	unknown12.507	350	J		12.5	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	450	J		12.9	ug/Kg
	unknown13.466	140	J		13.5	ug/Kg
	unknown13.531	820	J		13.5	ug/Kg
	unknown13.849	240	J		13.8	ug/Kg
313253-65-5	2-Pentanone, 4-cyclohexylidene-3,3	890	J		13.9	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