

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-2	SDG No.:	Q1695
Lab Sample ID:	Q1695-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049814.D	5	04/03/25 09:25	04/03/25 20:30	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.53	1.10	mg/Kg
108-95-2	Phenol	0.58	U	0.075	0.58	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.58	U	0.083	0.58	mg/Kg
95-57-8	2-Chlorophenol	0.58	U	0.083	0.58	mg/Kg
95-48-7	2-Methylphenol	0.58	U	0.10	0.58	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.58	U	0.13	0.58	mg/Kg
98-86-2	Acetophenone	0.58	U	0.10	0.58	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	U	0.14	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.27	U	0.16	0.27	mg/Kg
67-72-1	Hexachloroethane	0.58	U	0.060	0.58	mg/Kg
98-95-3	Nitrobenzene	0.58	U	0.063	0.58	mg/Kg
78-59-1	Isophorone	0.58	U	0.11	0.58	mg/Kg
88-75-5	2-Nitrophenol	0.58	U	0.20	0.58	mg/Kg
105-67-9	2,4-Dimethylphenol	0.58	U	0.22	0.58	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.58	U	0.11	0.58	mg/Kg
120-83-2	2,4-Dichlorophenol	0.58	U	0.097	0.58	mg/Kg
91-20-3	Naphthalene	0.29	J	0.078	0.58	mg/Kg
106-47-8	4-Chloroaniline	0.58	U	0.12	0.58	mg/Kg
87-68-3	Hexachlorobutadiene	0.58	U	0.086	0.58	mg/Kg
105-60-2	Caprolactam	1.10	U	0.18	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.58	U	0.098	0.58	mg/Kg
91-57-6	2-Methylnaphthalene	0.58	U	0.087	0.58	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.40	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.58	U	0.068	0.58	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.58	U	0.099	0.58	mg/Kg
92-52-4	1,1-Biphenyl	0.58	U	0.074	0.58	mg/Kg
91-58-7	2-Chloronaphthalene	0.58	U	0.077	0.58	mg/Kg
88-74-4	2-Nitroaniline	0.58	U	0.16	0.58	mg/Kg
131-11-3	Dimethylphthalate	0.58	U	0.093	0.58	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-2	SDG No.:	Q1695
Lab Sample ID:	Q1695-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049814.D	5	04/03/25 09:25	04/03/25 20:30	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.58	U	0.099	0.58	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.58	U	0.11	0.58	mg/Kg
99-09-2	3-Nitroaniline	0.58	U	0.16	0.58	mg/Kg
83-32-9	Acenaphthene	0.46	J	0.073	0.58	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.78	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.37	1.10	mg/Kg
132-64-9	Dibenzofuran	0.24	J	0.078	0.58	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.58	U	0.17	0.58	mg/Kg
84-66-2	Diethylphthalate	0.58	U	0.097	0.58	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.58	U	0.091	0.58	mg/Kg
86-73-7	Fluorene	0.47	J	0.086	0.58	mg/Kg
100-01-6	4-Nitroaniline	0.58	U	0.22	0.58	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.35	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.11	0.58	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.58	U	0.095	0.58	mg/Kg
118-74-1	Hexachlorobenzene	0.58	U	0.086	0.58	mg/Kg
1912-24-9	Atrazine	0.58	U	0.12	0.58	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.18	1.10	mg/Kg
85-01-8	Phenanthrene	4.70		0.071	0.58	mg/Kg
120-12-7	Anthracene	1.40		0.11	0.58	mg/Kg
86-74-8	Carbazole	0.67		0.11	0.58	mg/Kg
84-74-2	Di-n-butylphthalate	0.58	U	0.16	0.58	mg/Kg
206-44-0	Fluoranthene	7.30		0.10	0.58	mg/Kg
129-00-0	Pyrene	5.80		0.12	0.58	mg/Kg
85-68-7	Butylbenzylphthalate	0.58	U	0.24	0.58	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.13	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	3.60		0.079	0.58	mg/Kg
218-01-9	Chrysene	3.20		0.068	0.58	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.45	J	0.20	0.58	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.30	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.10		0.065	0.58	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-2	SDG No.:	Q1695
Lab Sample ID:	Q1695-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049814.D	5	04/03/25 09:25	04/03/25 20:30	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1.40		0.076	0.58	mg/Kg
50-32-8	Benzo(a)pyrene	3.70		0.10	0.58	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.00		0.099	0.58	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.60		0.094	0.58	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.50		0.088	0.58	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.58	U	0.087	0.58	mg/Kg
123-91-1	1,4-Dioxane	0.58	U	0.15	0.58	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.58	U	0.094	0.58	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.8		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	94.7		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.8		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.7		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	50.4		10 - 105	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	433000	7.787
1146-65-2	Naphthalene-d8	1500000	10.581
15067-26-2	Acenaphthene-d10	959000	14.428
1517-22-2	Phenanthrene-d10	1840000	17.175
1719-03-5	Chrysene-d12	1890000	21.41
1520-96-3	Perylene-d12	2010000	24.421

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	400	A	4.91	ug/Kg
000119-61-9	Benzophenone	260	J	15.8	ug/Kg
000132-65-0	Dibenzothiophene	330	J	17.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	450	J	18.0	ug/Kg
000779-02-2	Anthracene, 9-methyl-	720	J	18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1000	J	18.2	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	320	J	18.6	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-2	SDG No.:	Q1695
Lab Sample ID:	Q1695-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BM049814.D	5	04/03/25 09:25	04/03/25 20:30	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000084-65-1	9,10-Anthracenedione	240	J		18.6	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	340	J		20.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	280	J		20.2	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	300	J		21.6	ug/Kg
000192-97-2	Benzo[e]pyrene	1800	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