

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Galloping Hills Sub OP	Date Received:	04/25/25
Client Sample ID:	MH-D	SDG No.:	Q1891
Lab Sample ID:	Q1891-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.5
Sample Wt/Vol:	50.03	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
BP024451.D	5	04/28/25 09:45	04/29/25 00:29	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.20	U	0.56	1.20	mg/Kg
108-95-2	Phenol	0.61	U	0.079	0.61	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.61	U	0.087	0.61	mg/Kg
95-57-8	2-Chlorophenol	0.61	U	0.088	0.61	mg/Kg
95-48-7	2-Methylphenol	0.61	U	0.11	0.61	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.61	U	0.13	0.61	mg/Kg
98-86-2	Acetophenone	0.61	U	0.11	0.61	mg/Kg
65794-96-9	3+4-Methylphenols	1.20	U	0.15	1.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.29	U	0.17	0.29	mg/Kg
67-72-1	Hexachloroethane	0.61	U	0.063	0.61	mg/Kg
98-95-3	Nitrobenzene	0.61	U	0.066	0.61	mg/Kg
78-59-1	Isophorone	0.61	U	0.12	0.61	mg/Kg
88-75-5	2-Nitrophenol	0.61	U	0.21	0.61	mg/Kg
105-67-9	2,4-Dimethylphenol	0.61	U	0.23	0.61	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.61	U	0.11	0.61	mg/Kg
120-83-2	2,4-Dichlorophenol	0.61	U	0.10	0.61	mg/Kg
91-20-3	Naphthalene	0.61	U	0.082	0.61	mg/Kg
106-47-8	4-Chloroaniline	0.61	U	0.13	0.61	mg/Kg
87-68-3	Hexachlorobutadiene	0.61	U	0.091	0.61	mg/Kg
105-60-2	Caprolactam	1.20	U	0.19	1.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.10	0.61	mg/Kg
91-57-6	2-Methylnaphthalene	0.38	J	0.092	0.61	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	0.42	1.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.61	U	0.071	0.61	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.61	U	0.10	0.61	mg/Kg
92-52-4	1,1-Biphenyl	0.61	U	0.078	0.61	mg/Kg
91-58-7	2-Chloronaphthalene	0.61	U	0.081	0.61	mg/Kg
88-74-4	2-Nitroaniline	0.61	U	0.17	0.61	mg/Kg
131-11-3	Dimethylphthalate	0.61	U	0.097	0.61	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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208-96-8	Acenaphthylene	0.69		0.10	0.61	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.61	U	0.12	0.61	mg/Kg
99-09-2	3-Nitroaniline	0.61	U	0.17	0.61	mg/Kg
83-32-9	Acenaphthene	0.61	U	0.077	0.61	mg/Kg
51-28-5	2,4-Dinitrophenol	1.20	U	0.82	1.20	mg/Kg
100-02-7	4-Nitrophenol	1.20	U	0.38	1.20	mg/Kg
132-64-9	Dibenzofuran	0.61	U	0.082	0.61	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.61	U	0.18	0.61	mg/Kg
84-66-2	Diethylphthalate	0.61	U	0.10	0.61	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.61	U	0.096	0.61	mg/Kg
86-73-7	Fluorene	0.55	J	0.091	0.61	mg/Kg
100-01-6	4-Nitroaniline	0.61	U	0.23	0.61	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.20	U	0.37	1.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.61	U	0.12	0.61	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.61	U	0.100	0.61	mg/Kg
118-74-1	Hexachlorobenzene	0.61	U	0.091	0.61	mg/Kg
1912-24-9	Atrazine	0.61	U	0.12	0.61	mg/Kg
87-86-5	Pentachlorophenol	1.20	U	0.18	1.20	mg/Kg
85-01-8	Phenanthrene	4.00		0.075	0.61	mg/Kg
120-12-7	Anthracene	1.20		0.12	0.61	mg/Kg
86-74-8	Carbazole	0.61	U	0.11	0.61	mg/Kg
84-74-2	Di-n-butylphthalate	0.61	U	0.17	0.61	mg/Kg
206-44-0	Fluoranthene	6.20		0.11	0.61	mg/Kg
129-00-0	Pyrene	5.50		0.13	0.61	mg/Kg
85-68-7	Butylbenzylphthalate	0.61	U	0.26	0.61	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.20	U	0.13	1.20	mg/Kg
56-55-3	Benzo(a)anthracene	3.30		0.083	0.61	mg/Kg
218-01-9	Chrysene	2.90		0.072	0.61	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.61	U	0.21	0.61	mg/Kg
117-84-0	Di-n-octyl phthalate	1.20	U	0.31	1.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	3.50		0.068	0.61	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.10		0.080	0.61	mg/Kg
50-32-8	Benzo(a)pyrene	2.90		0.11	0.61	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.10	0.61	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.50	J	0.098	0.61	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.092	0.61	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.61	U	0.092	0.61	mg/Kg
123-91-1	1,4-Dioxane	0.61	U	0.16	0.61	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.61	U	0.098	0.61	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.1		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	69.5		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.9		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.7		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	45.4		10 - 105	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	155000	7.716
1146-65-2	Naphthalene-d8	654000	10.487
15067-26-2	Acenaphthene-d10	438000	14.346
1517-22-2	Phenanthrene-d10	897000	17.145
1719-03-5	Chrysene-d12	954000	21.586
1520-96-3	Perylene-d12	1100000	24.939

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	420	J	12.4	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	440	J	13.7	ug/Kg
002245-38-7	Naphthalene, 1,6,7-trimethyl-	370	J	14.8	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	360	J	16.4	ug/Kg
000132-65-0	Dibenzothiophene	430	J	17.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1100	J	18.1	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1400	J	18.1	ug/Kg

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000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	530	J		18.2	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1800	J		18.2	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	690	J		18.3	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	610	J		18.6	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	390	J		18.9	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	990	J		19.0	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	650	J		19.1	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	570	J		19.1	ug/Kg
000613-59-2	Naphthalene, 2-(phenylmethyl)-	330	J		19.3	ug/Kg
002381-21-7	Pyrene, 1-methyl-	340	J		20.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	460	J		20.2	ug/Kg
000192-97-2	Benzo[e]pyrene	640	J		24.1	ug/Kg
000198-55-0	Perylene	1900	J		24.6	ug/Kg
000205-82-3	Benzo[j]fluoranthene	480	J		25.0	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