

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	11/04/24
Client Sample ID:	HR-02-110424	SDG No.:	P4709
Lab Sample ID:	P4709-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
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
BF140257.D	1	11/06/24 09:45	11/06/24 15:25	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.23	mg/Kg
108-95-2	Phenol	0.057	U	0.057	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.057	U	0.057	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.057	U	0.057	0.12	mg/Kg
95-48-7	2-Methylphenol	0.055	U	0.055	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.062	U	0.062	0.12	mg/Kg
98-86-2	Acetophenone	0.060	U	0.060	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.055	U	0.055	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.028	U	0.028	0.055	mg/Kg
67-72-1	Hexachloroethane	0.057	U	0.057	0.12	mg/Kg
98-95-3	Nitrobenzene	0.062	U	0.062	0.12	mg/Kg
78-59-1	Isophorone	0.058	U	0.058	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.065	U	0.065	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.064	U	0.064	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.059	U	0.059	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.052	U	0.052	0.12	mg/Kg
91-20-3	Naphthalene	0.057	U	0.057	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.057	U	0.057	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.057	U	0.057	0.12	mg/Kg
105-60-2	Caprolactam	0.059	U	0.059	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.053	U	0.053	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.057	U	0.057	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.11	U	0.11	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.049	U	0.049	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.051	U	0.051	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.060	U	0.060	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.057	U	0.057	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.065	U	0.065	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.056	U	0.056	0.12	mg/Kg

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208-96-8	Acenaphthylene	0.059	U	0.059	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.057	U	0.057	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.061	U	0.061	0.12	mg/Kg
83-32-9	Acenaphthene	0.056	U	0.056	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.17	U	0.17	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.079	U	0.079	0.23	mg/Kg
132-64-9	Dibenzofuran	0.058	U	0.058	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.059	U	0.059	0.12	mg/Kg
84-66-2	Diethylphthalate	0.055	U	0.055	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.059	U	0.059	0.12	mg/Kg
86-73-7	Fluorene	0.059	U	0.059	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.073	U	0.073	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.080	U	0.080	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.056	U	0.056	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.054	U	0.054	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.058	U	0.058	0.12	mg/Kg
1912-24-9	Atrazine	0.063	U	0.063	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.053	U	0.053	0.23	mg/Kg
85-01-8	Phenanthrene	0.058	U	0.058	0.12	mg/Kg
120-12-7	Anthracene	0.058	U	0.058	0.12	mg/Kg
86-74-8	Carbazole	0.055	U	0.055	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.058	U	0.058	0.12	mg/Kg
206-44-0	Fluoranthene	0.056	U	0.056	0.12	mg/Kg
129-00-0	Pyrene	0.057	U	0.057	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.066	U	0.066	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.068	U	0.068	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.055	U	0.055	0.12	mg/Kg
218-01-9	Chrysene	0.054	U	0.054	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.062	U	0.062	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.075	U	0.075	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.056	U	0.056	0.12	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.057	U	0.057	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	0.064	U	0.064	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.054	U	0.054	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.056	U	0.056	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.055	U	0.055	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.059	U	0.059	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.075	U	0.075	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.051	U	0.051	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	71.6		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	70.4		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.0		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.0		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.2		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	42.6		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	148000	6.875
1146-65-2	Naphthalene-d8	536000	8.157
15067-26-2	Acenaphthene-d10	279000	9.916
1517-22-2	Phenanthrene-d10	386000	11.404
1719-03-5	Chrysene-d12	295000	14.051
1520-96-3	Perylene-d12	223000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J	2.13	ug/Kg
004744-10-9	Propane, 1,1-dimethoxy-	95.1	J	2.24	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A	5.09	ug/Kg
000629-50-5	Tridecane	55.2	J	8.74	ug/Kg
000629-59-4	Tetradecane	120	J	9.31	ug/Kg
192823-15-7	Decane, 2,3,5,8-tetramethyl-	72.5	J	9.63	ug/Kg
000629-62-9	Pentadecane	160	J	9.84	ug/Kg

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000544-76-3	Hexadecane	220	J		10.3	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	130	J		10.6	ug/Kg
000119-61-9	Benzophenone	110	J		10.6	ug/Kg
000629-78-7	Heptadecane	500	J		10.8	ug/Kg
013287-23-5	Heptadecane, 8-methyl-	340	J		11.3	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	150	J		11.3	ug/Kg
000629-92-5	Nonadecane	260	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		11.9	ug/Kg
000112-95-8	Eicosane	210	J		12.1	ug/Kg
000629-94-7	Heneicosane	160	J		12.5	ug/Kg
000057-11-4	Octadecanoic acid	170	J		12.7	ug/Kg
000593-45-3	Octadecane	140	J		12.9	ug/Kg
021164-95-4	Hexadecane, 7,9-dimethyl-	88.7	J		13.2	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