

Report of Analysis

Client:	PSEG	Date Collected:	05/29/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	05/29/25
Client Sample ID:	OK-02-05292025	SDG No.:	Q2152
Lab Sample ID:	Q2152-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
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
BF142588.D	2	05/30/25 09:50	05/31/25 00:10	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.21	U	0.21	0.45	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	0.041	U	0.041	0.23	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.051	U	0.051	0.23	mg/Kg
98-86-2	Acetophenone	0.040	U	0.040	0.23	mg/Kg
65794-96-9	3+4-Methylphenols	0.056	U	0.056	0.45	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.065	U	0.065	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	0.045	U	0.045	0.23	mg/Kg
88-75-5	2-Nitrophenol	0.079	U	0.079	0.23	mg/Kg
105-67-9	2,4-Dimethylphenol	0.088	U	0.088	0.23	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.042	U	0.042	0.23	mg/Kg
120-83-2	2,4-Dichlorophenol	0.039	U	0.039	0.23	mg/Kg
91-20-3	Naphthalene	0.10	J	0.031	0.23	mg/Kg
106-47-8	4-Chloroaniline	0.048	U	0.048	0.23	mg/Kg
87-68-3	Hexachlorobutadiene	0.035	U	0.035	0.23	mg/Kg
105-60-2	Caprolactam	0.071	U	0.071	0.45	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.039	U	0.039	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.18	J	0.035	0.23	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.16	U	0.16	0.45	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	0.040	U	0.040	0.23	mg/Kg
92-52-4	1,1-Biphenyl	0.030	U	0.030	0.23	mg/Kg
91-58-7	2-Chloronaphthalene	0.031	U	0.031	0.23	mg/Kg
88-74-4	2-Nitroaniline	0.066	U	0.066	0.23	mg/Kg
131-11-3	Dimethylphthalate	0.037	U	0.037	0.23	mg/Kg

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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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208-96-8	Acenaphthylene	0.099	J	0.039	0.23	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.046	U	0.046	0.23	mg/Kg
99-09-2	3-Nitroaniline	0.063	U	0.063	0.23	mg/Kg
83-32-9	Acenaphthene	0.092	J	0.029	0.23	mg/Kg
51-28-5	2,4-Dinitrophenol	0.31	U	0.31	0.45	mg/Kg
100-02-7	4-Nitrophenol	0.15	U	0.15	0.45	mg/Kg
132-64-9	Dibenzofuran	0.031	U	0.031	0.23	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.068	U	0.068	0.23	mg/Kg
84-66-2	Diethylphthalate	0.039	U	0.039	0.23	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	0.036	0.23	mg/Kg
86-73-7	Fluorene	0.22	J	0.035	0.23	mg/Kg
100-01-6	4-Nitroaniline	0.087	U	0.087	0.23	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.45	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.045	U	0.045	0.23	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.038	U	0.038	0.23	mg/Kg
118-74-1	Hexachlorobenzene	0.035	U	0.035	0.23	mg/Kg
1912-24-9	Atrazine	0.046	U	0.046	0.23	mg/Kg
87-86-5	Pentachlorophenol	0.070	U	0.070	0.45	mg/Kg
85-01-8	Phenanthrene	1.10		0.029	0.23	mg/Kg
120-12-7	Anthracene	0.25		0.045	0.23	mg/Kg
86-74-8	Carbazole	0.043	U	0.043	0.23	mg/Kg
84-74-2	Di-n-butylphthalate	0.065	U	0.065	0.23	mg/Kg
206-44-0	Fluoranthene	1.30		0.041	0.23	mg/Kg
129-00-0	Pyrene	0.91		0.049	0.23	mg/Kg
85-68-7	Butylbenzylphthalate	0.097	U	0.097	0.23	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.050	U	0.050	0.45	mg/Kg
56-55-3	Benzo(a)anthracene	0.61		0.031	0.23	mg/Kg
218-01-9	Chrysene	0.57		0.027	0.23	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.081	U	0.081	0.23	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.45	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.60		0.026	0.23	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.26		0.031	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.51		0.040	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.18	J	0.040	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	0.22	J	0.035	0.23	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.035	U	0.035	0.23	mg/Kg
123-91-1	1,4-Dioxane	0.062	U	0.062	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	63.6		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	62.5		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.3		10 - 116	33%	SPK: 150
1718-51-0	Terphenyl-d14	25.2		10 - 105	25%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	6.898
1146-65-2	Naphthalene-d8	494000	8.181
15067-26-2	Acenaphthene-d10	219000	9.939
1517-22-2	Phenanthrene-d10	316000	11.428
1719-03-5	Chrysene-d12	270000	14.074
1520-96-3	Perylene-d12	194000	15.574

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	170	J	8.99	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	160	J	9.52	ug/Kg
000575-43-9	Naphthalene, 1,6-dimethyl-	210	J	9.59	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	130	J	9.72	ug/Kg
000544-76-3	Hexadecane	230	J	10.4	ug/Kg
000629-92-5	Nonadecane	320	J	10.8	ug/Kg
001730-37-6	9H-Fluorene, 1-methyl-	150	J	11.0	ug/Kg

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000630-02-4	Octacosane	180	J		11.3	ug/Kg
000132-65-0	Dibenzothiophene	200	J		11.3	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	160	J		11.7	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	290	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	400	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	610	J		12.0	ug/Kg
000629-62-9	Pentadecane	130	J		12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	120	J		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	300	J		12.5	ug/Kg
006232-48-0	Acephenanthrylene, 4,5-dihydro-	310	J		12.5	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	140	J		12.6	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	200	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	130	J		13.3	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