

Report of Analysis

Client:	PSEG	Date Collected:	03/14/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025	SDG No.:	Q1585
Lab Sample ID:	Q1585-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.02 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
BF141977.D	2	03/17/25 09:15	03/17/25 13:01	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.19	U	0.19	0.41	mg/Kg
108-95-2	Phenol	0.027	U	0.027	0.21	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.030	U	0.030	0.21	mg/Kg
95-57-8	2-Chlorophenol	0.030	U	0.030	0.21	mg/Kg
95-48-7	2-Methylphenol	0.037	U	0.037	0.21	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.046	U	0.046	0.21	mg/Kg
98-86-2	Acetophenone	0.036	U	0.036	0.21	mg/Kg
65794-96-9	3+4-Methylphenols	0.051	U	0.051	0.41	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.059	0.099	mg/Kg
67-72-1	Hexachloroethane	0.022	U	0.022	0.21	mg/Kg
98-95-3	Nitrobenzene	0.023	U	0.023	0.21	mg/Kg
78-59-1	Isophorone	0.041	U	0.041	0.21	mg/Kg
88-75-5	2-Nitrophenol	0.072	U	0.072	0.21	mg/Kg
105-67-9	2,4-Dimethylphenol	0.080	U	0.080	0.21	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.038	U	0.038	0.21	mg/Kg
120-83-2	2,4-Dichlorophenol	0.035	U	0.035	0.21	mg/Kg
91-20-3	Naphthalene	0.028	U	0.028	0.21	mg/Kg
106-47-8	4-Chloroaniline	0.044	U	0.044	0.21	mg/Kg
87-68-3	Hexachlorobutadiene	0.031	U	0.031	0.21	mg/Kg
105-60-2	Caprolactam	0.064	U	0.064	0.41	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.036	U	0.036	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.032	U	0.032	0.21	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.14	U	0.14	0.41	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.025	U	0.025	0.21	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.036	U	0.036	0.21	mg/Kg
92-52-4	1,1-Biphenyl	0.027	U	0.027	0.21	mg/Kg
91-58-7	2-Chloronaphthalene	0.028	U	0.028	0.21	mg/Kg
88-74-4	2-Nitroaniline	0.059	U	0.059	0.21	mg/Kg
131-11-3	Dimethylphthalate	0.034	U	0.034	0.21	mg/Kg

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208-96-8	Acenaphthylene	0.15	J	0.036	0.21	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.042	U	0.042	0.21	mg/Kg
99-09-2	3-Nitroaniline	0.057	U	0.057	0.21	mg/Kg
83-32-9	Acenaphthene	0.12	J	0.026	0.21	mg/Kg
51-28-5	2,4-Dinitrophenol	0.28	U	0.28	0.41	mg/Kg
100-02-7	4-Nitrophenol	0.13	U	0.13	0.41	mg/Kg
132-64-9	Dibenzofuran	0.028	U	0.028	0.21	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.062	U	0.062	0.21	mg/Kg
84-66-2	Diethylphthalate	0.035	U	0.035	0.21	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	0.033	0.21	mg/Kg
86-73-7	Fluorene	0.20	J	0.031	0.21	mg/Kg
100-01-6	4-Nitroaniline	0.079	U	0.079	0.21	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	0.13	0.41	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.041	U	0.041	0.21	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.034	U	0.034	0.21	mg/Kg
118-74-1	Hexachlorobenzene	0.031	U	0.031	0.21	mg/Kg
1912-24-9	Atrazine	0.042	U	0.042	0.21	mg/Kg
87-86-5	Pentachlorophenol	0.063	U	0.063	0.41	mg/Kg
85-01-8	Phenanthrene	1.10		0.026	0.21	mg/Kg
120-12-7	Anthracene	0.28		0.041	0.21	mg/Kg
86-74-8	Carbazole	0.14	J	0.039	0.21	mg/Kg
84-74-2	Di-n-butylphthalate	0.059	U	0.059	0.21	mg/Kg
206-44-0	Fluoranthene	1.30		0.037	0.21	mg/Kg
129-00-0	Pyrene	0.79		0.045	0.21	mg/Kg
85-68-7	Butylbenzylphthalate	0.088	U	0.088	0.21	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.045	U	0.045	0.41	mg/Kg
56-55-3	Benzo(a)anthracene	0.63		0.028	0.21	mg/Kg
218-01-9	Chrysene	0.63		0.025	0.21	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.091	J	0.073	0.21	mg/Kg
117-84-0	Di-n-octyl phthalate	0.11	U	0.11	0.41	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.64		0.024	0.21	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.31		0.028	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.57		0.036	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.24		0.036	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.034	U	0.034	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.31		0.032	0.21	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.032	U	0.032	0.21	mg/Kg
123-91-1	1,4-Dioxane	0.056	U	0.056	0.21	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.034	U	0.034	0.21	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	109		15 - 107	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.9		18 - 107	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.8		20 - 109	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		10 - 116	75%	SPK: 150
1718-51-0	Terphenyl-d14	64.5		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.875
1146-65-2	Naphthalene-d8	421000	8.157
15067-26-2	Acenaphthene-d10	182000	9.91
1517-22-2	Phenanthrene-d10	301000	11.398
1719-03-5	Chrysene-d12	360000	14.039
1520-96-3	Perylene-d12	276000	15.516

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	770	J	2.13	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	120	J	8.97	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	140	J	9.57	ug/Kg
	unknown9.634	110	J	9.63	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	84.0	J	9.69	ug/Kg
Total PAH	Total PAH	7300	J	9.95	ug/Kg
	unknown10.116	110	J	10.1	ug/Kg

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000119-61-9	Benzophenone	180	J		10.6	ug/Kg
000112-40-3	Dodecane	190	J		10.8	ug/Kg
000629-62-9	Pentadecane	83.6	J		11.3	ug/Kg
000132-65-0	Dibenzothiophene	170	J		11.3	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	1000	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	570	J		12.0	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	100	J		12.2	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	170	J		12.4	ug/Kg
000781-43-1	9,10-Dimethylantracene	270	J		12.5	ug/Kg
	unknown12.486	240	J		12.5	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	210	J		12.7	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.7	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	100	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	85.2	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