

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: PB170055BS
Lab Sample ID: PB170055BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected:
Date Received:
SDG No.: Q3310
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	950		1	160	330	ug/Kg	10/14/25 16:13	PB170055
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/14/25 16:13	PB170055
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/14/25 16:13	PB170055
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/14/25 16:13	PB170055
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/14/25 16:13	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/14/25 16:13	PB170055
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/14/25 16:13	PB170055
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	80.0	ug/Kg	10/14/25 16:13	PB170055
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/14/25 16:13	PB170055
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/14/25 16:13	PB170055
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/14/25 16:13	PB170055
88-75-5	2-Nitrophenol	1700		1	58.2	170	ug/Kg	10/14/25 16:13	PB170055
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	10/14/25 16:13	PB170055
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/14/25 16:13	PB170055
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
106-47-8	4-Chloroaniline	710		1	35.4	170	ug/Kg	10/14/25 16:13	PB170055
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
105-60-2	Caprolactam	1600		1	52.1	330	ug/Kg	10/14/25 16:13	PB170055
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/14/25 16:13	PB170055
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
77-47-4	Hexachlorocyclopentadiene	3600	E	1	120	330	ug/Kg	10/14/25 16:13	PB170055
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	10/14/25 16:13	PB170055
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	10/14/25 16:13	PB170055
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/14/25 16:13	PB170055
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/14/25 16:13	PB170055
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/14/25 16:13	PB170055
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/14/25 16:13	PB170055
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/14/25 16:13	PB170055
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/14/25 16:13	PB170055
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/14/25 16:13	PB170055
51-28-5	2,4-Dinitrophenol	2900	E	1	230	330	ug/Kg	10/14/25 16:13	PB170055
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/14/25 16:13	PB170055
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
121-14-2	2,4-Dinitrotoluene	1700		1	50.1	170	ug/Kg	10/14/25 16:13	PB170055
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/14/25 16:13	PB170055
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
100-01-6	4-Nitroaniline	1500		1	64.2	170	ug/Kg	10/14/25 16:13	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/14/25 16:13	PB170055

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/14/25 16:13	PB170055
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/14/25 16:13	PB170055
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/14/25 16:13	PB170055
87-86-5	Pentachlorophenol	2700	E	1	51.3	330	ug/Kg	10/14/25 16:13	PB170055
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/14/25 16:13	PB170055
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/14/25 16:13	PB170055
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/14/25 16:13	PB170055
84-74-2	Di-n-butylphthalate	1600		1	47.9	170	ug/Kg	10/14/25 16:13	PB170055
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/14/25 16:13	PB170055
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	10/14/25 16:13	PB170055
85-68-7	Butylbenzylphthalate	1700		1	71.4	170	ug/Kg	10/14/25 16:13	PB170055
91-94-1	3,3-Dichlorobenzidine	850		1	36.7	330	ug/Kg	10/14/25 16:13	PB170055
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/14/25 16:13	PB170055
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/14/25 16:13	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	59.2	170	ug/Kg	10/14/25 16:13	PB170055
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/14/25 16:13	PB170055
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/14/25 16:13	PB170055
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/14/25 16:13	PB170055
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	1700		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
53-70-3	Dibenzo(a,h)anthracene	1700		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055
191-24-2	Benzo(g,h,i)perylene	1700		1	25.7	170	ug/Kg	10/14/25 16:13	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/14/25 16:13	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055

SURROGATES

367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.2		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		10 - 105	93%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	119000
1146-65-2	Naphthalene-d8	465000
15067-26-2	Acenaphthene-d10	257000
1517-22-2	Phenanthrene-d10	434000
1719-03-5	Chrysene-d12	247000
1520-96-3	Perylene-d12	230000

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Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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