

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-06-0-2
Lab Sample ID: Q3323-06
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 80.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	10/13/25 19:27	PB170067
108-95-2	Phenol	27.3	U	1	27.3	210	ug/Kg	10/13/25 19:27	PB170067
111-44-4	bis(2-Chloroethyl)ether	30.0	U	1	30.0	210	ug/Kg	10/13/25 19:27	PB170067
95-57-8	2-Chlorophenol	30.1	U	1	30.1	210	ug/Kg	10/13/25 19:27	PB170067
95-48-7	2-Methylphenol	36.9	U	1	36.9	210	ug/Kg	10/13/25 19:27	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	46.3	U	1	46.3	210	ug/Kg	10/13/25 19:27	PB170067
98-86-2	Acetophenone	36.4	U	1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
65794-96-9	3+4-Methylphenols	50.8	U	1	50.8	410	ug/Kg	10/13/25 19:27	PB170067
621-64-7	n-Nitroso-di-n-propylamine	58.5	U	1	58.5	98.8	ug/Kg	10/13/25 19:27	PB170067
67-72-1	Hexachloroethane	21.7	U	1	21.7	210	ug/Kg	10/13/25 19:27	PB170067
98-95-3	Nitrobenzene	22.6	U	1	22.6	210	ug/Kg	10/13/25 19:27	PB170067
78-59-1	Isophorone	40.5	U	1	40.5	210	ug/Kg	10/13/25 19:27	PB170067
88-75-5	2-Nitrophenol	71.9	U	1	71.9	210	ug/Kg	10/13/25 19:27	PB170067
105-67-9	2,4-Dimethylphenol	80.0	U	1	80.0	210	ug/Kg	10/13/25 19:27	PB170067
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	1	38.0	210	ug/Kg	10/13/25 19:27	PB170067
120-83-2	2,4-Dichlorophenol	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
91-20-3	Naphthalene	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
106-47-8	4-Chloroaniline	43.7	U	1	43.7	210	ug/Kg	10/13/25 19:27	PB170067
87-68-3	Hexachlorobutadiene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
105-60-2	Caprolactam	64.4	U	1	64.4	410	ug/Kg	10/13/25 19:27	PB170067
59-50-7	4-Chloro-3-methylphenol	35.4	U	1	35.4	210	ug/Kg	10/13/25 19:27	PB170067
91-57-6	2-Methylnaphthalene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	10/13/25 19:27	PB170067
88-06-2	2,4,6-Trichlorophenol	24.5	U	1	24.5	210	ug/Kg	10/13/25 19:27	PB170067
95-95-4	2,4,5-Trichlorophenol	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
92-52-4	1,1-Biphenyl	26.9	U	1	26.9	210	ug/Kg	10/13/25 19:27	PB170067
91-58-7	2-Chloronaphthalene	27.8	U	1	27.8	210	ug/Kg	10/13/25 19:27	PB170067
88-74-4	2-Nitroaniline	59.4	U	1	59.4	210	ug/Kg	10/13/25 19:27	PB170067
131-11-3	Dimethylphthalate	33.5	U	1	33.5	210	ug/Kg	10/13/25 19:27	PB170067
208-96-8	Acenaphthylene	35.7	U	1	35.7	210	ug/Kg	10/13/25 19:27	PB170067
606-20-2	2,6-Dinitrotoluene	41.5	U	1	41.5	210	ug/Kg	10/13/25 19:27	PB170067
99-09-2	3-Nitroaniline	56.8	U	1	56.8	210	ug/Kg	10/13/25 19:27	PB170067
83-32-9	Acenaphthene	26.3	U	1	26.3	210	ug/Kg	10/13/25 19:27	PB170067
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	10/13/25 19:27	PB170067
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067
132-64-9	Dibenzofuran	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
121-14-2	2,4-Dinitrotoluene	61.9	U	1	61.9	210	ug/Kg	10/13/25 19:27	PB170067
84-66-2	Diethylphthalate	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
7005-72-3	4-Chlorophenyl-phenylether	33.0	U	1	33.0	210	ug/Kg	10/13/25 19:27	PB170067
86-73-7	Fluorene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
100-01-6	4-Nitroaniline	79.3	U	1	79.3	210	ug/Kg	10/13/25 19:27	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067

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SDG No.: Q3323
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% Solid: 80.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.6	U	1	40.6	210	ug/Kg	10/13/25 19:27	PB170067
101-55-3	4-Bromophenyl-phenylether	34.3	U	1	34.3	210	ug/Kg	10/13/25 19:27	PB170067
118-74-1	Hexachlorobenzene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
1912-24-9	Atrazine	42.0	U	1	42.0	210	ug/Kg	10/13/25 19:27	PB170067
87-86-5	Pentachlorophenol	63.4	U	1	63.4	410	ug/Kg	10/13/25 19:27	PB170067
85-01-8	Phenanthrene	440		1	25.8	210	ug/Kg	10/13/25 19:27	PB170067
120-12-7	Anthracene	130	J	1	41.1	210	ug/Kg	10/13/25 19:27	PB170067
86-74-8	Carbazole	38.5	U	1	38.5	210	ug/Kg	10/13/25 19:27	PB170067
84-74-2	Di-n-butylphthalate	59.2	U	1	59.2	210	ug/Kg	10/13/25 19:27	PB170067
206-44-0	Fluoranthene	520		1	37.1	210	ug/Kg	10/13/25 19:27	PB170067
129-00-0	Pyrene	330		1	44.5	210	ug/Kg	10/13/25 19:27	PB170067
85-68-7	Butylbenzylphthalate	88.2	U	1	88.2	210	ug/Kg	10/13/25 19:27	PB170067
91-94-1	3,3-Dichlorobenzidine	45.3	U	1	45.3	410	ug/Kg	10/13/25 19:27	PB170067
56-55-3	Benzo(a)anthracene	250		1	28.4	210	ug/Kg	10/13/25 19:27	PB170067
218-01-9	Chrysene	230		1	24.6	210	ug/Kg	10/13/25 19:27	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	73.1	U	1	73.1	210	ug/Kg	10/13/25 19:27	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	10/13/25 19:27	PB170067
205-99-2	Benzo(b)fluoranthene	260		1	23.5	210	ug/Kg	10/13/25 19:27	PB170067
207-08-9	Benzo(k)fluoranthene	82.9	J	1	27.7	210	ug/Kg	10/13/25 19:27	PB170067
50-32-8	Benzo(a)pyrene	220		1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
53-70-3	Dibenzo(a,h)anthracene	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067
191-24-2	Benzo(g,h,i)perylene	92.5	J	1	31.7	210	ug/Kg	10/13/25 19:27	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
123-91-1	1,4-Dioxane	55.8	U	1	55.8	210	ug/Kg	10/13/25 19:27	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067

SURROGATES

367-12-4	2-Fluorophenol	68.7			18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	66.7			15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3			18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7			20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.4			10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	26.4			10 - 105	26%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	112000
1146-65-2	Naphthalene-d8	409000
15067-26-2	Acenaphthene-d10	210000
1517-22-2	Phenanthrene-d10	300000
1719-03-5	Chrysene-d12	253000
1520-96-3	Perylene-d12	326000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	310	J		11.9	ug/Kg

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Lab Sample ID:	Q3323-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	130	J			15.4	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