

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-1		SDG No.:	Q3495
Lab Sample ID:	Q3495-01		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	76.2
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	430	ug/Kg	10/31/25 18:16	PB170342
108-95-2	Phenol	28.9	U	1	28.9	220	ug/Kg	10/31/25 18:16	PB170342
111-44-4	bis(2-Chloroethyl)ether	31.8	U	1	31.8	220	ug/Kg	10/31/25 18:16	PB170342
95-57-8	2-Chlorophenol	32.0	U	1	32.0	220	ug/Kg	10/31/25 18:16	PB170342
95-48-7	2-Methylphenol	39.2	U	1	39.2	220	ug/Kg	10/31/25 18:16	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	49.1	U	1	49.1	220	ug/Kg	10/31/25 18:16	PB170342
98-86-2	Acetophenone	38.6	U	1	38.6	220	ug/Kg	10/31/25 18:16	PB170342
65794-96-9	3+4-Methylphenols	53.8	U	1	53.8	430	ug/Kg	10/31/25 18:16	PB170342
621-64-7	n-Nitroso-di-n-propylamine	62.1	U	1	62.1	100	ug/Kg	10/31/25 18:16	PB170342
67-72-1	Hexachloroethane	23.1	U	1	23.1	220	ug/Kg	10/31/25 18:16	PB170342
98-95-3	Nitrobenzene	24.0	U	1	24.0	220	ug/Kg	10/31/25 18:16	PB170342
78-59-1	Isophorone	43.0	U	1	43.0	220	ug/Kg	10/31/25 18:16	PB170342
88-75-5	2-Nitrophenol	76.2	U	1	76.2	220	ug/Kg	10/31/25 18:16	PB170342
105-67-9	2,4-Dimethylphenol	84.9	U	1	84.9	220	ug/Kg	10/31/25 18:16	PB170342
111-91-1	bis(2-Chloroethoxy)methane	40.3	U	1	40.3	220	ug/Kg	10/31/25 18:16	PB170342
120-83-2	2,4-Dichlorophenol	37.1	U	1	37.1	220	ug/Kg	10/31/25 18:16	PB170342
91-20-3	Naphthalene	29.7	U	1	29.7	220	ug/Kg	10/31/25 18:16	PB170342
106-47-8	4-Chloroaniline	46.4	U	1	46.4	220	ug/Kg	10/31/25 18:16	PB170342
87-68-3	Hexachlorobutadiene	33.1	U	1	33.1	220	ug/Kg	10/31/25 18:16	PB170342
105-60-2	Caprolactam	68.2	U	1	68.2	430	ug/Kg	10/31/25 18:16	PB170342
59-50-7	4-Chloro-3-methylphenol	37.6	U	1	37.6	220	ug/Kg	10/31/25 18:16	PB170342
91-57-6	2-Methylnaphthalene	33.5	U	1	33.5	220	ug/Kg	10/31/25 18:16	PB170342
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	430	ug/Kg	10/31/25 18:16	PB170342
88-06-2	2,4,6-Trichlorophenol	25.9	U	1	25.9	220	ug/Kg	10/31/25 18:16	PB170342
95-95-4	2,4,5-Trichlorophenol	38.1	U	1	38.1	220	ug/Kg	10/31/25 18:16	PB170342
92-52-4	1,1-Biphenyl	28.6	U	1	28.6	220	ug/Kg	10/31/25 18:16	PB170342
91-58-7	2-Chloronaphthalene	29.5	U	1	29.5	220	ug/Kg	10/31/25 18:16	PB170342
88-74-4	2-Nitroaniline	63.0	U	1	63.0	220	ug/Kg	10/31/25 18:16	PB170342
131-11-3	Dimethylphthalate	35.5	U	1	35.5	220	ug/Kg	10/31/25 18:16	PB170342
208-96-8	Acenaphthylene	37.9	U	1	37.9	220	ug/Kg	10/31/25 18:16	PB170342
606-20-2	2,6-Dinitrotoluene	44.0	U	1	44.0	220	ug/Kg	10/31/25 18:16	PB170342
99-09-2	3-Nitroaniline	60.2	U	1	60.2	220	ug/Kg	10/31/25 18:16	PB170342
83-32-9	Acenaphthene	27.9	U	1	27.9	220	ug/Kg	10/31/25 18:16	PB170342
51-28-5	2,4-Dinitrophenol	300	U	1	300	430	ug/Kg	10/31/25 18:16	PB170342
100-02-7	4-Nitrophenol	140	U	1	140	430	ug/Kg	10/31/25 18:16	PB170342
132-64-9	Dibenzofuran	29.7	U	1	29.7	220	ug/Kg	10/31/25 18:16	PB170342
121-14-2	2,4-Dinitrotoluene	65.6	U	1	65.6	220	ug/Kg	10/31/25 18:16	PB170342
84-66-2	Diethylphthalate	37.1	U	1	37.1	220	ug/Kg	10/31/25 18:16	PB170342
7005-72-3	4-Chlorophenyl-phenylether	35.0	U	1	35.0	220	ug/Kg	10/31/25 18:16	PB170342
86-73-7	Fluorene	33.1	U	1	33.1	220	ug/Kg	10/31/25 18:16	PB170342
100-01-6	4-Nitroaniline	84.1	U	1	84.1	220	ug/Kg	10/31/25 18:16	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	430	ug/Kg	10/31/25 18:16	PB170342

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Lab Sample ID:	Q3495-01		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	76.2
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.1	U	1	43.1	220	ug/Kg	10/31/25 18:16	PB170342
101-55-3	4-Bromophenyl-phenylether	36.4	U	1	36.4	220	ug/Kg	10/31/25 18:16	PB170342
118-74-1	Hexachlorobenzene	33.1	U	1	33.1	220	ug/Kg	10/31/25 18:16	PB170342
1912-24-9	Atrazine	44.5	U	1	44.5	220	ug/Kg	10/31/25 18:16	PB170342
87-86-5	Pentachlorophenol	67.2	U	1	67.2	430	ug/Kg	10/31/25 18:16	PB170342
85-01-8	Phenanthrene	27.4	U	1	27.4	220	ug/Kg	10/31/25 18:16	PB170342
120-12-7	Anthracene	43.6	U	1	43.6	220	ug/Kg	10/31/25 18:16	PB170342
86-74-8	Carbazole	40.9	U	1	40.9	220	ug/Kg	10/31/25 18:16	PB170342
84-74-2	Di-n-butylphthalate	62.7	U	1	62.7	220	ug/Kg	10/31/25 18:16	PB170342
206-44-0	Fluoranthene	39.3	U	1	39.3	220	ug/Kg	10/31/25 18:16	PB170342
129-00-0	Pyrene	47.1	U	1	47.1	220	ug/Kg	10/31/25 18:16	PB170342
85-68-7	Butylbenzylphthalate	93.5	U	1	93.5	220	ug/Kg	10/31/25 18:16	PB170342
91-94-1	3,3-Dichlorobenzidine	48.1	U	1	48.1	430	ug/Kg	10/31/25 18:16	PB170342
56-55-3	Benzo(a)anthracene	30.1	U	1	30.1	220	ug/Kg	10/31/25 18:16	PB170342
218-01-9	Chrysene	26.1	U	1	26.1	220	ug/Kg	10/31/25 18:16	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	77.5	U	1	77.5	220	ug/Kg	10/31/25 18:16	PB170342
117-84-0	Di-n-octyl phthalate	110	U	1	110	430	ug/Kg	10/31/25 18:16	PB170342
205-99-2	Benzo(b)fluoranthene	24.9	U	1	24.9	220	ug/Kg	10/31/25 18:16	PB170342
207-08-9	Benzo(k)fluoranthene	29.3	U	1	29.3	220	ug/Kg	10/31/25 18:16	PB170342
50-32-8	Benzo(a)pyrene	38.6	U	1	38.6	220	ug/Kg	10/31/25 18:16	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	38.1	U	1	38.1	220	ug/Kg	10/31/25 18:16	PB170342
53-70-3	Dibenzo(a,h)anthracene	35.9	U	1	35.9	220	ug/Kg	10/31/25 18:16	PB170342
191-24-2	Benzo(g,h,i)perylene	33.7	U	1	33.7	220	ug/Kg	10/31/25 18:16	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	33.5	U	1	33.5	220	ug/Kg	10/31/25 18:16	PB170342
123-91-1	1,4-Dioxane	59.2	U	1	59.2	220	ug/Kg	10/31/25 18:16	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	35.9	U	1	35.9	220	ug/Kg	10/31/25 18:16	PB170342

SURROGATES

367-12-4	2-Fluorophenol	51.4		18 - 112	34%	SPK: 150
13127-88-3	Phenol-d6	54.1		15 - 107	36%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.5		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.9		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.6		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	34700
1146-65-2	Naphthalene-d8	150000
15067-26-2	Acenaphthene-d10	117000
1517-22-2	Phenanthrene-d10	257000
1719-03-5	Chrysene-d12	284000
1520-96-3	Perylene-d12	312000

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Lab Sample ID:	Q3495-01		Matrix:	SOIL	
Analytical Method:	8270E	Level:	LOW	% Solid:	76.2
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/31/25		

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