

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2		SDG No.:	Q3495
Lab Sample ID:	Q3495-02		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.09 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	210	U	1	210	440	ug/Kg	11/03/25 16:13	PB170342
108-95-2	Phenol	29.3	U	1	29.3	230	ug/Kg	11/03/25 16:13	PB170342
111-44-4	bis(2-Chloroethyl)ether	32.3	U	1	32.3	230	ug/Kg	11/03/25 16:13	PB170342
95-57-8	2-Chlorophenol	32.4	U	1	32.4	230	ug/Kg	11/03/25 16:13	PB170342
95-48-7	2-Methylphenol	39.7	U	1	39.7	230	ug/Kg	11/03/25 16:13	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	49.8	U	1	49.8	230	ug/Kg	11/03/25 16:13	PB170342
98-86-2	Acetophenone	39.2	U	1	39.2	230	ug/Kg	11/03/25 16:13	PB170342
65794-96-9	3+4-Methylphenols	54.6	U	1	54.6	440	ug/Kg	11/03/25 16:13	PB170342
621-64-7	n-Nitroso-di-n-propylamine	62.9	U	1	62.9	110	ug/Kg	11/03/25 16:13	PB170342
67-72-1	Hexachloroethane	23.4	U	1	23.4	230	ug/Kg	11/03/25 16:13	PB170342
98-95-3	Nitrobenzene	24.3	U	1	24.3	230	ug/Kg	11/03/25 16:13	PB170342
78-59-1	Isophorone	43.5	U	1	43.5	230	ug/Kg	11/03/25 16:13	PB170342
88-75-5	2-Nitrophenol	77.3	U	1	77.3	230	ug/Kg	11/03/25 16:13	PB170342
105-67-9	2,4-Dimethylphenol	86.0	U	1	86.0	230	ug/Kg	11/03/25 16:13	PB170342
111-91-1	bis(2-Chloroethoxy)methane	40.9	U	1	40.9	230	ug/Kg	11/03/25 16:13	PB170342
120-83-2	2,4-Dichlorophenol	37.6	U	1	37.6	230	ug/Kg	11/03/25 16:13	PB170342
91-20-3	Naphthalene	30.1	U	1	30.1	230	ug/Kg	11/03/25 16:13	PB170342
106-47-8	4-Chloroaniline	47.0	U	1	47.0	230	ug/Kg	11/03/25 16:13	PB170342
87-68-3	Hexachlorobutadiene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
105-60-2	Caprolactam	69.2	U	1	69.2	440	ug/Kg	11/03/25 16:13	PB170342
59-50-7	4-Chloro-3-methylphenol	38.1	U	1	38.1	230	ug/Kg	11/03/25 16:13	PB170342
91-57-6	2-Methylnaphthalene	34.0	U	1	34.0	230	ug/Kg	11/03/25 16:13	PB170342
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	440	ug/Kg	11/03/25 16:13	PB170342
88-06-2	2,4,6-Trichlorophenol	26.3	U	1	26.3	230	ug/Kg	11/03/25 16:13	PB170342
95-95-4	2,4,5-Trichlorophenol	38.6	U	1	38.6	230	ug/Kg	11/03/25 16:13	PB170342
92-52-4	1,1-Biphenyl	28.9	U	1	28.9	230	ug/Kg	11/03/25 16:13	PB170342
91-58-7	2-Chloronaphthalene	29.9	U	1	29.9	230	ug/Kg	11/03/25 16:13	PB170342
88-74-4	2-Nitroaniline	63.9	U	1	63.9	230	ug/Kg	11/03/25 16:13	PB170342
131-11-3	Dimethylphthalate	36.0	U	1	36.0	230	ug/Kg	11/03/25 16:13	PB170342
208-96-8	Acenaphthylene	38.4	U	1	38.4	230	ug/Kg	11/03/25 16:13	PB170342
606-20-2	2,6-Dinitrotoluene	44.6	U	1	44.6	230	ug/Kg	11/03/25 16:13	PB170342
99-09-2	3-Nitroaniline	61.1	U	1	61.1	230	ug/Kg	11/03/25 16:13	PB170342
83-32-9	Acenaphthene	28.3	U	1	28.3	230	ug/Kg	11/03/25 16:13	PB170342
51-28-5	2,4-Dinitrophenol	300	U	1	300	440	ug/Kg	11/03/25 16:13	PB170342
100-02-7	4-Nitrophenol	140	U	1	140	440	ug/Kg	11/03/25 16:13	PB170342
132-64-9	Dibenzofuran	30.1	U	1	30.1	230	ug/Kg	11/03/25 16:13	PB170342
121-14-2	2,4-Dinitrotoluene	66.5	U	1	66.5	230	ug/Kg	11/03/25 16:13	PB170342
84-66-2	Diethylphthalate	37.6	U	1	37.6	230	ug/Kg	11/03/25 16:13	PB170342
7005-72-3	4-Chlorophenyl-phenylether	35.4	U	1	35.4	230	ug/Kg	11/03/25 16:13	PB170342
86-73-7	Fluorene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
100-01-6	4-Nitroaniline	85.2	U	1	85.2	230	ug/Kg	11/03/25 16:13	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	440	ug/Kg	11/03/25 16:13	PB170342

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Client Sample ID:	SB-1025-2		SDG No.:	Q3495
Lab Sample ID:	Q3495-02		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.09 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	43.7	U	1	43.7	230	ug/Kg	11/03/25 16:13	PB170342
101-55-3	4-Bromophenyl-phenylether	36.9	U	1	36.9	230	ug/Kg	11/03/25 16:13	PB170342
118-74-1	Hexachlorobenzene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
1912-24-9	Atrazine	45.1	U	1	45.1	230	ug/Kg	11/03/25 16:13	PB170342
87-86-5	Pentachlorophenol	68.1	U	1	68.1	440	ug/Kg	11/03/25 16:13	PB170342
85-01-8	Phenanthrene	27.7	U	1	27.7	230	ug/Kg	11/03/25 16:13	PB170342
120-12-7	Anthracene	44.2	U	1	44.2	230	ug/Kg	11/03/25 16:13	PB170342
86-74-8	Carbazole	41.4	U	1	41.4	230	ug/Kg	11/03/25 16:13	PB170342
84-74-2	Di-n-butylphthalate	63.6	U	1	63.6	230	ug/Kg	11/03/25 16:13	PB170342
206-44-0	Fluoranthene	39.8	U	1	39.8	230	ug/Kg	11/03/25 16:13	PB170342
129-00-0	Pyrene	47.8	U	1	47.8	230	ug/Kg	11/03/25 16:13	PB170342
85-68-7	Butylbenzylphthalate	94.8	U	1	94.8	230	ug/Kg	11/03/25 16:13	PB170342
91-94-1	3,3-Dichlorobenzidine	48.7	U	1	48.7	440	ug/Kg	11/03/25 16:13	PB170342
56-55-3	Benzo(a)anthracene	30.5	U	1	30.5	230	ug/Kg	11/03/25 16:13	PB170342
218-01-9	Chrysene	26.4	U	1	26.4	230	ug/Kg	11/03/25 16:13	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	1	78.6	230	ug/Kg	11/03/25 16:13	PB170342
117-84-0	Di-n-octyl phthalate	120	U	1	120	440	ug/Kg	11/03/25 16:13	PB170342
205-99-2	Benzo(b)fluoranthene	25.2	U	1	25.2	230	ug/Kg	11/03/25 16:13	PB170342
207-08-9	Benzo(k)fluoranthene	29.7	U	1	29.7	230	ug/Kg	11/03/25 16:13	PB170342
50-32-8	Benzo(a)pyrene	39.2	U	1	39.2	230	ug/Kg	11/03/25 16:13	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	38.6	U	1	38.6	230	ug/Kg	11/03/25 16:13	PB170342
53-70-3	Dibenzo(a,h)anthracene	36.4	U	1	36.4	230	ug/Kg	11/03/25 16:13	PB170342
191-24-2	Benzo(g,h,i)perylene	34.1	U	1	34.1	230	ug/Kg	11/03/25 16:13	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	34.0	U	1	34.0	230	ug/Kg	11/03/25 16:13	PB170342
123-91-1	1,4-Dioxane	60.0	U	1	60.0	230	ug/Kg	11/03/25 16:13	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	36.4	U	1	36.4	230	ug/Kg	11/03/25 16:13	PB170342

SURROGATES

367-12-4	2-Fluorophenol	74.1		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	74.6		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.6		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.3		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	44.5		10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	336000
1146-65-2	Naphthalene-d8	1340000
15067-26-2	Acenaphthene-d10	821000
1517-22-2	Phenanthrene-d10	1670000
1719-03-5	Chrysene-d12	1800000
1520-96-3	Perylene-d12	2050000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	320	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	640	J	18.1	ug/Kg

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Lab Sample ID:	Q3495-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.1
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.09 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	220	J			19.4	ug/Kg		
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	99.6	J			19.7	ug/Kg		
015594-90-8	1-Heneicosanol	170	J			21.3	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