

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2MS		SDG No.:	Q3495
Lab Sample ID:	Q3495-02MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.04 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	2000		1	210	440	ug/Kg	11/03/25 16:54	PB170342
108-95-2	Phenol	2100		1	29.4	230	ug/Kg	11/03/25 16:54	PB170342
111-44-4	bis(2-Chloroethyl)ether	2000		1	32.3	230	ug/Kg	11/03/25 16:54	PB170342
95-57-8	2-Chlorophenol	2200		1	32.4	230	ug/Kg	11/03/25 16:54	PB170342
95-48-7	2-Methylphenol	2100		1	39.8	230	ug/Kg	11/03/25 16:54	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1800		1	49.9	230	ug/Kg	11/03/25 16:54	PB170342
98-86-2	Acetophenone	2000		1	39.2	230	ug/Kg	11/03/25 16:54	PB170342
65794-96-9	3+4-Methylphenols	2100		1	54.7	440	ug/Kg	11/03/25 16:54	PB170342
621-64-7	n-Nitroso-di-n-propylamine	2000		1	63.0	110	ug/Kg	11/03/25 16:54	PB170342
67-72-1	Hexachloroethane	2100		1	23.4	230	ug/Kg	11/03/25 16:54	PB170342
98-95-3	Nitrobenzene	2100		1	24.3	230	ug/Kg	11/03/25 16:54	PB170342
78-59-1	Isophorone	2000		1	43.6	230	ug/Kg	11/03/25 16:54	PB170342
88-75-5	2-Nitrophenol	2800		1	77.4	230	ug/Kg	11/03/25 16:54	PB170342
105-67-9	2,4-Dimethylphenol	2400		1	86.2	230	ug/Kg	11/03/25 16:54	PB170342
111-91-1	bis(2-Chloroethoxy)methane	2000		1	41.0	230	ug/Kg	11/03/25 16:54	PB170342
120-83-2	2,4-Dichlorophenol	2200		1	37.6	230	ug/Kg	11/03/25 16:54	PB170342
91-20-3	Naphthalene	2000		1	30.2	230	ug/Kg	11/03/25 16:54	PB170342
106-47-8	4-Chloroaniline	740		1	47.1	230	ug/Kg	11/03/25 16:54	PB170342
87-68-3	Hexachlorobutadiene	2000		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
105-60-2	Caprolactam	2200		1	69.3	440	ug/Kg	11/03/25 16:54	PB170342
59-50-7	4-Chloro-3-methylphenol	2200		1	38.2	230	ug/Kg	11/03/25 16:54	PB170342
91-57-6	2-Methylnaphthalene	1800		1	34.0	230	ug/Kg	11/03/25 16:54	PB170342
77-47-4	Hexachlorocyclopentadiene	6300	E	1	150	440	ug/Kg	11/03/25 16:54	PB170342
88-06-2	2,4,6-Trichlorophenol	2400		1	26.3	230	ug/Kg	11/03/25 16:54	PB170342
95-95-4	2,4,5-Trichlorophenol	2300		1	38.7	230	ug/Kg	11/03/25 16:54	PB170342
92-52-4	1,1-Biphenyl	2000		1	29.0	230	ug/Kg	11/03/25 16:54	PB170342
91-58-7	2-Chloronaphthalene	2000		1	29.9	230	ug/Kg	11/03/25 16:54	PB170342
88-74-4	2-Nitroaniline	2200		1	64.0	230	ug/Kg	11/03/25 16:54	PB170342
131-11-3	Dimethylphthalate	2100		1	36.0	230	ug/Kg	11/03/25 16:54	PB170342
208-96-8	Acenaphthylene	2300		1	38.4	230	ug/Kg	11/03/25 16:54	PB170342
606-20-2	2,6-Dinitrotoluene	2300		1	44.7	230	ug/Kg	11/03/25 16:54	PB170342
99-09-2	3-Nitroaniline	1400		1	61.2	230	ug/Kg	11/03/25 16:54	PB170342
83-32-9	Acenaphthene	1900		1	28.3	230	ug/Kg	11/03/25 16:54	PB170342
51-28-5	2,4-Dinitrophenol	4600	E	1	300	440	ug/Kg	11/03/25 16:54	PB170342
100-02-7	4-Nitrophenol	4700	E	1	140	440	ug/Kg	11/03/25 16:54	PB170342
132-64-9	Dibenzofuran	2000		1	30.2	230	ug/Kg	11/03/25 16:54	PB170342
121-14-2	2,4-Dinitrotoluene	2200		1	66.6	230	ug/Kg	11/03/25 16:54	PB170342
84-66-2	Diethylphthalate	2100		1	37.6	230	ug/Kg	11/03/25 16:54	PB170342
7005-72-3	4-Chlorophenyl-phenylether	2000		1	35.5	230	ug/Kg	11/03/25 16:54	PB170342
86-73-7	Fluorene	2000		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
100-01-6	4-Nitroaniline	2300		1	85.4	230	ug/Kg	11/03/25 16:54	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	2600		1	140	440	ug/Kg	11/03/25 16:54	PB170342

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Lab Sample ID:	Q3495-02MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.04 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
86-30-6	n-Nitrosodiphenylamine	2100		1	43.7	230	ug/Kg	11/03/25 16:54	PB170342
101-55-3	4-Bromophenyl-phenylether	2100		1	37.0	230	ug/Kg	11/03/25 16:54	PB170342
118-74-1	Hexachlorobenzene	2100		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
1912-24-9	Atrazine	2400		1	45.2	230	ug/Kg	11/03/25 16:54	PB170342
87-86-5	Pentachlorophenol	5000	E	1	68.2	440	ug/Kg	11/03/25 16:54	PB170342
85-01-8	Phenanthrene	2000		1	27.8	230	ug/Kg	11/03/25 16:54	PB170342
120-12-7	Anthracene	2100		1	44.3	230	ug/Kg	11/03/25 16:54	PB170342
86-74-8	Carbazole	2200		1	41.5	230	ug/Kg	11/03/25 16:54	PB170342
84-74-2	Di-n-butylphthalate	2300		1	63.7	230	ug/Kg	11/03/25 16:54	PB170342
206-44-0	Fluoranthene	2100		1	39.9	230	ug/Kg	11/03/25 16:54	PB170342
129-00-0	Pyrene	1900		1	47.9	230	ug/Kg	11/03/25 16:54	PB170342
85-68-7	Butylbenzylphthalate	2400		1	94.9	230	ug/Kg	11/03/25 16:54	PB170342
91-94-1	3,3-Dichlorobenzidine	1900		1	48.8	440	ug/Kg	11/03/25 16:54	PB170342
56-55-3	Benzo(a)anthracene	2100		1	30.6	230	ug/Kg	11/03/25 16:54	PB170342
218-01-9	Chrysene	2100		1	26.5	230	ug/Kg	11/03/25 16:54	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	2300		1	78.7	230	ug/Kg	11/03/25 16:54	PB170342
117-84-0	Di-n-octyl phthalate	2800		1	120	440	ug/Kg	11/03/25 16:54	PB170342
205-99-2	Benzo(b)fluoranthene	2100		1	25.3	230	ug/Kg	11/03/25 16:54	PB170342
207-08-9	Benzo(k)fluoranthene	2100		1	29.8	230	ug/Kg	11/03/25 16:54	PB170342
50-32-8	Benzo(a)pyrene	2200		1	39.2	230	ug/Kg	11/03/25 16:54	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	38.7	230	ug/Kg	11/03/25 16:54	PB170342
53-70-3	Dibenzo(a,h)anthracene	2200		1	36.4	230	ug/Kg	11/03/25 16:54	PB170342
191-24-2	Benzo(g,h,i)perylene	2200		1	34.2	230	ug/Kg	11/03/25 16:54	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		1	34.0	230	ug/Kg	11/03/25 16:54	PB170342
123-91-1	1,4-Dioxane	1900		1	60.1	230	ug/Kg	11/03/25 16:54	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	2600		1	36.4	230	ug/Kg	11/03/25 16:54	PB170342

SURROGATES

367-12-4	2-Fluorophenol	74.1		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	74.0		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.0		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.1		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	43.2		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	230000
1146-65-2	Naphthalene-d8	913000
15067-26-2	Acenaphthene-d10	574000
1517-22-2	Phenanthrene-d10	1150000
1719-03-5	Chrysene-d12	1320000
1520-96-3	Perylene-d12	1550000

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Analytical Method:	8270E	Level:	LOW	
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	
Prep Method :	SW3541	Prep Date:	10/31/25	
			Test:	SVOC-TCL BNA -20

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