

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	TW-1025-1		SDG No.:	Q3495
Lab Sample ID:	Q3495-03		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:
Prep Method :	3510C	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	10/31/25 18:57	PB170346
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	10/31/25 18:57	PB170346
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	10/31/25 18:57	PB170346
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	10/31/25 18:57	PB170346
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	10/31/25 18:57	PB170346
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	10/31/25 18:57	PB170346
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	10/31/25 18:57	PB170346
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	10/31/25 18:57	PB170346
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	10/31/25 18:57	PB170346
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	10/31/25 18:57	PB170346
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	10/31/25 18:57	PB170346
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	10/31/25 18:57	PB170346
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	10/31/25 18:57	PB170346
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	10/31/25 18:57	PB170346
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	10/31/25 18:57	PB170346
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
106-47-8	4-Chloroaniline	0.84	U	1	0.84	5.00	ug/L	10/31/25 18:57	PB170346
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	10/31/25 18:57	PB170346
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	10/31/25 18:57	PB170346
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	10/31/25 18:57	PB170346
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	10/31/25 18:57	PB170346
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	10/31/25 18:57	PB170346
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	10/31/25 18:57	PB170346
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	10/31/25 18:57	PB170346
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	10/31/25 18:57	PB170346
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	10/31/25 18:57	PB170346
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	10/31/25 18:57	PB170346
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	10/31/25 18:57	PB170346
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	10/31/25 18:57	PB170346
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	10/31/25 18:57	PB170346
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	10/31/25 18:57	PB170346
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	10/31/25 18:57	PB170346
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	10/31/25 18:57	PB170346
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	10/31/25 18:57	PB170346
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	10/31/25 18:57	PB170346
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	10/31/25 18:57	PB170346
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	10/31/25 18:57	PB170346
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	10/31/25 18:57	PB170346

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Client Sample ID:	TW-1025-1		SDG No.:	Q3495
Lab Sample ID:	Q3495-03		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:
Prep Method :	3510C	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	10/31/25 18:57	PB170346
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	10/31/25 18:57	PB170346
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	10/31/25 18:57	PB170346
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	10/31/25 18:57	PB170346
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	10/31/25 18:57	PB170346
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	10/31/25 18:57	PB170346
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	10/31/25 18:57	PB170346
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	10/31/25 18:57	PB170346
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	10/31/25 18:57	PB170346
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	10/31/25 18:57	PB170346
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	10/31/25 18:57	PB170346
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.00	ug/L	10/31/25 18:57	PB170346
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	10/31/25 18:57	PB170346
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	10/31/25 18:57	PB170346
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	10/31/25 18:57	PB170346
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	10/31/25 18:57	PB170346
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	10/31/25 18:57	PB170346
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	10/31/25 18:57	PB170346
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	10/31/25 18:57	PB170346
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	10/31/25 18:57	PB170346
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	10/31/25 18:57	PB170346

SURROGATES

367-12-4	2-Fluorophenol	59.4		23 - 138	40%	SPK: 150
13127-88-3	Phenol-d6	40.9		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		67 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		42 - 152	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	37800
1146-65-2	Naphthalene-d8	155000
15067-26-2	Acenaphthene-d10	121000
1517-22-2	Phenanthrene-d10	273000
1719-03-5	Chrysene-d12	293000
1520-96-3	Perylene-d12	322000

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Lab Sample ID:	Q3495-03		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	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