



REPORT OF ANALYSIS

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Report No. RN1421987

<b>Client</b>	: DEPARTMENT OF CLIMATE CHANGE, ENERGY, THE ENVIRONM ENVIRONMENTAL PROTECTION SCIENCE DIVISION [REDACTED]	<b>Job No.</b>	: EPA11/240229
		<b>Quote No.</b>	: QT-02257
		<b>Order No.</b>	:
<b>Attention</b>	: [REDACTED]	<b>Date Received</b>	: 29-FEB-2024
<b>Project Name</b>	:	<b>Sampled By</b>	: CLIENT
<b>Your Client Services Manager</b>	: [REDACTED]	<b>Phone</b>	: [REDACTED]

Lab Reg No.	Sample Ref	Sample Description
N24/004250	.	WATER MFK-Z-E1_20240219
N24/004251	.	WATER MFK-Z-E2_20240219
N24/004252	.	WATER MFK-Z-E3_20240219
N24/004253	.	WATER MFK-Z-E4_20240219

Lab Reg No.		N24/004250	N24/004251	N24/004252	N24/004253	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
	Units					Method
<b>Organochlorine (OC) Pesticides</b>						
HCB	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Heptachlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Heptachlor epoxide	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Aldrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
gamma-BHC(Lindane)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
alpha-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
beta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
delta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
trans-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
cis-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Oxychlordane	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dieldrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDE	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDD	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDT	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin aldehyde	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin Ketone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
alpha-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
beta-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endosulfan sulfate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methoxychlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dicofol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Surrogate: DF-DDE	%REC	129	90	134	136	NR47
<b>Phenoxy Acid Herbicides</b>						
Dicamba	ug/L	<1	<1	<1	<1	NGCMS_1117
MCPA	ug/L	<1	<1	<1	<1	NGCMS_1117

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Lab Reg No.		N24/004250	N24/004251	N24/004252	N24/004253	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference	Units	.	.	.	.	Method
<b>Phenoxy Acid Herbicides</b>						
Dichlorprop	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4-D	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4,5-T	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4,5-TP	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4-DB	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
MCPP	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Triclopyr	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Picloram	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Clopyralid	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Fluroxypyr	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
<b>LC-MS/MS Screen</b>						
Acephate	ug/L	< 2	< 2	< 2	< 2	NR51
Aldicarb	ug/L	< 1	< 1	< 1	< 1	NR51
Bensulfuron methyl	ug/L	< 2	< 2	< 2	< 2	NR51
Bromacil	ug/L	< 1	< 1	< 1	< 1	NR51
Carbaryl	ug/L	< 1	< 1	< 1	< 1	NR51
Carbendazim	ug/L	< 1	< 1	< 1	< 1	NR51
Carbofuran	ug/L	< 1	< 1	< 1	< 1	NR51
Carbofuran-3-hydroxy	ug/L	< 1	< 1	< 1	< 1	NR51
Chlortoluron	ug/L	< 2	< 2	< 2	< 2	NR51
Cyanazine	ug/L	< 1	< 1	< 1	< 1	NR51
Diuron	ug/L	< 1	< 1	< 1	< 1	NR51
Endothal	ug/L	< 2	< 2	< 2	< 2	NR51
Fipronil	ug/L	< 2	< 2	< 2	< 2	NR51
Imazalil	ug/L	< 5	< 5	< 5	< 5	NR51
Imazethapyr	ug/L	< 1	< 1	< 1	< 1	NR51
Imidacloprid	ug/L	< 1	< 1	< 1	< 1	NR51
Isoproturon	ug/L	< 1	< 1	< 1	< 1	NR51
Linuron	ug/L	< 5	< 5	< 5	< 5	NR51
Metalaxyl	ug/L	< 1	< 1	< 1	< 1	NR51
Methamidophos	ug/L	< 1	< 1	< 1	< 1	NR51
Methomyl	ug/L	< 1	< 1	< 1	< 1	NR51
Metolachlor	ug/L	< 2	< 2	< 2	< 2	NR51
Metsulfuron methyl	ug/L	< 1	< 1	< 1	< 1	NR51
Monocrotophos	ug/L	< 2	< 2	< 2	< 2	NR51
Omethoate	ug/L	< 1	< 1	< 1	< 1	NR51
Oxamyl (Thixamyl)	ug/L	< 1	< 1	< 1	< 1	NR51
Pirimicarb	ug/L	< 1	< 1	< 1	< 1	NR51
Propazine	ug/L	< 1	< 1	< 1	< 1	NR51
Pyriproxifen	ug/L	< 5	< 5	< 5	< 5	NR51
Sethoxydim	ug/L	< 1	< 1	< 1	< 1	NR51

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Lab Reg No.	Units	N24/004250	N24/004251	N24/004252	N24/004253	Method
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
LC-MS/MS Screen						
Tebuconazole	ug/L	<2	<2	<2	<2	NR51
Tebuthiuron	ug/L	<1	<1	<1	<1	NR51
Temephos	ug/L	<2	<2	<2	<2	NR51
Terbutylazine	ug/L	<1	<1	<1	<1	NR51
Thiabendazole	ug/L	<1	<1	<1	<1	NR51
Thiodicarb	ug/L	<5	<5	<5	<5	NR51
Triadimefon	ug/L	<1	<1	<1	<1	NR51
Vamidothion	ug/L	<1	<1	<1	<1	NR51
Organophosphate (OP) Pesticides						
Dichlorvos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Demeton-S-methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Diazinon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dimethoate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorpyrifos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorpyrifos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Malathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenthion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Ethion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenitrothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorfenvinphos (E)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorfenvinphos (Z)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Parathion (ethyl)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Parathion methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimiphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimiphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Azinphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Azinphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Bromophos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Carbophenothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Coumaphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dioxathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenamiphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenchlorphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Formothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methacrifos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methidathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Mevinphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phorate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phosalone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Profenophos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prothiofos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47

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Lab Reg No.	Units	N24/004250	N24/004251	N24/004252	N24/004253	Method
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
Organophosphate (OP) Pesticides						
Thiometon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Triazophos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Surrogate: TPP	%REC	117	87	124	124	NR47
Synthetic Pyrethroids						
Bifenthrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Bioresmethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyfluthrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyhalothrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cypermethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Deltamethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenvalerate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Permethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phenothrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fungicides						
Bupirimate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorothalonil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyprodinil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dichlofluanid	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dicloran	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Difenoconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dimethomorph	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Diphenylamine	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenarimol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Flusilazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Hexaconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Imazalil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Iprodione	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Metalaxyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Penconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prochloraz	ug/L	<00.1	<00.1	<00.1	<00.1	NR47
Procymidone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propiconazole I	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propiconazole II	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pyrimethanil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tebuconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Vinclozolin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
o-Phenylphenol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Carbamates						
Carbaryl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenoxycarb	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimicarb	ug/L	<0.1	<0.1	<0.1	<0.1	NR47

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Lab Reg No.		N24/004250	N24/004251	N24/004252	N24/004253	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference	Units	.	.	.	.	Method
<b>Herbicides</b>						
Atrazine	ug/L	0.18	0.12	0.18	0.18	NR47
Diuron	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Hexazinone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Linuron	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Metolachlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Molinate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Oxyfluorfen	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pendimethalin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prometryn	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Simazine	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Trifluralin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
<b>Miscellaneous</b>						
Buprofezin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methoprene	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Piperonyl Butoxide	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propargite	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tebufenpyrad	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tetradifon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
<b>Dates</b>						
Date extracted		8-MAR-2024	8-MAR-2024	8-MAR-2024	8-MAR-2024	
Date analysed		11-MAR-2024	11-MAR-2024	11-MAR-2024	11-MAR-2024	

Organics - NSW  
Accreditation No. 198

15-MAR-2024

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<b>Client</b> : DEPARTMENT OF CLIMATE CHANGE, ENERGY, THE ENVIRONM ENVIRONMENTAL PROTECTION SCIENCE DIVISION <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div> <b>Attention</b> : <div style="background-color: black; width: 150px; height: 15px; display: inline-block;"></div> <b>Project Name</b> : <b>Your Client Services Manager</b> : <div style="background-color: black; width: 100px; height: 15px; display: inline-block;"></div>	<b>Job No.</b> : EPA11/240229 <b>Quote No.</b> : QT-02257 <b>Order No.</b> : <b>Date Received</b> : 29-FEB-2024 <b>Sampled By</b> : CLIENT  <b>Phone</b> : <div style="background-color: black; width: 100px; height: 15px; display: inline-block;"></div>
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Lab Reg No.	Sample Ref	Sample Description
N24/004254	.	WATER MFK-Z-E5_20240219
N24/004255	.	WATER MFK-Z-B2_20240219
N24/004256	.	WATER MFK-Z-B3_20240219
N24/004257	.	WATER MFK-WETHERELL BUOY

Lab Reg No.		N24/004254	N24/004255	N24/004256	N24/004257	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
	Units					Method
<b>Organochlorine (OC) Pesticides</b>						
HCb	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Heptachlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Heptachlor epoxide	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Aldrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
gamma-BHC(Lindane)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
alpha-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
beta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
delta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
trans-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
cis-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Oxychlordan	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dieldrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDE	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDD	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
p,p-DDT	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin aldehyde	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endrin Ketone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
alpha-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
beta-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Endosulfan sulfate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methoxychlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dicofol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Surrogate: DF-DDE	%REC	136	131	128	90	NR47
<b>Phenoxy Acid Herbicides</b>						
Dicamba	ug/L	<1	<1	<1	<1	NGCMS_1117
MCPA	ug/L	<1	<1	<1	<1	NGCMS_1117

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Lab Reg No.		N24/004254	N24/004255	N24/004256	N24/004257	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference	Units	.	.	.	.	Method
<b>Phenoxy Acid Herbicides</b>						
Dichlorprop	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4-D	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4,5-T	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4,5-TP	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
2,4-DB	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
MCP	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Triclopyr	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Picloram	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Clpyralid	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
Fluroxypyr	ug/L	< 1	< 1	< 1	< 1	NGCMS_1117
<b>LC-MS/MS Screen</b>						
Acephate	ug/L	< 2	< 2	< 2	< 2	NR51
Aldicarb	ug/L	< 1	< 1	< 1	< 1	NR51
Bensulfuron methyl	ug/L	< 2	< 2	< 2	< 2	NR51
Bromacil	ug/L	< 1	< 1	< 1	< 1	NR51
Carbaryl	ug/L	< 1	< 1	< 1	< 1	NR51
Carbendazim	ug/L	< 1	< 1	< 1	< 1	NR51
Carbofuran	ug/L	< 1	< 1	< 1	< 1	NR51
Carbofuran-3-hydroxy	ug/L	< 1	< 1	< 1	< 1	NR51
Chlortoluron	ug/L	< 2	< 2	< 2	< 2	NR51
Cyanazine	ug/L	< 1	< 1	< 1	< 1	NR51
Diuron	ug/L	< 1	< 1	< 1	< 1	NR51
Endothal	ug/L	< 2	< 2	< 2	< 2	NR51
Fipronil	ug/L	< 2	< 2	< 2	< 2	NR51
Imazalil	ug/L	< 5	< 5	< 5	< 5	NR51
Imazethapyr	ug/L	< 1	< 1	< 1	< 1	NR51
Imidacloprid	ug/L	< 1	< 1	< 1	< 1	NR51
Isoproturon	ug/L	< 1	< 1	< 1	< 1	NR51
Linuron	ug/L	< 5	< 5	< 5	< 5	NR51
Metalaxyl	ug/L	< 1	< 1	< 1	< 1	NR51
Methamidophos	ug/L	< 1	< 1	< 1	< 1	NR51
Methomyl	ug/L	< 1	< 1	< 1	< 1	NR51
Metolachlor	ug/L	< 2	< 2	< 2	< 2	NR51
Metsulfuron methyl	ug/L	< 1	< 1	< 1	< 1	NR51
Monocrotophos	ug/L	< 2	< 2	< 2	< 2	NR51
Omethoate	ug/L	< 1	< 1	< 1	< 1	NR51
Oxamyl (Thixamyl)	ug/L	< 1	< 1	< 1	< 1	NR51
Pirimicarb	ug/L	< 1	< 1	< 1	< 1	NR51
Propazine	ug/L	< 1	< 1	< 1	< 1	NR51
Pyriproxifen	ug/L	< 5	< 5	< 5	< 5	NR51
Sethoxydim	ug/L	< 1	< 1	< 1	< 1	NR51

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Lab Reg No.		N24/004254	N24/004255	N24/004256	N24/004257	
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference	Units	.	.	.	.	Method
<b>LC-MS/MS Screen</b>						
Tebuconazole	ug/L	<2	<2	<2	<2	NR51
Tebuthiuron	ug/L	<1	<1	<1	<1	NR51
Temephos	ug/L	<2	<2	<2	<2	NR51
Terbutylazine	ug/L	<1	<1	<1	<1	NR51
Thiabendazole	ug/L	<1	<1	<1	<1	NR51
Thiodicarb	ug/L	<5	<5	<5	<5	NR51
Triadimefon	ug/L	<1	<1	<1	<1	NR51
Vamidithion	ug/L	<1	<1	<1	<1	NR51
<b>Organophosphate (OP) Pesticides</b>						
Dichlorvos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Demeton-S-methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Diazinon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dimethoate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorpyrifos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorpyrifos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Malathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenthion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Ethion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenitrothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorfenvinphos (E)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorfenvinphos (Z)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Parathion (ethyl)	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Parathion methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimiphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimiphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Azinphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Azinphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Bromophos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Carbophenothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Coumaphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dioxathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenamiphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenchlorphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Formothion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methacrifos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methidathion	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Mevinphos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phorate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phosalone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Profenophos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prothiofos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47



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Lab Reg No.	Units	N24/004254	N24/004255	N24/004256	N24/004257	Method
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
Organophosphate (OP) Pesticides						
Thiometon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Triazophos	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Surrogate: TPP	%REC	126	126	114	92	NR47
Synthetic Pyrethroids						
Bifenthrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Bioresmethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyfluthrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyhalothrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cypermethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Deltamethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenvalerate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Permethrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Phenothrin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fungicides						
Bupirimate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Chlorothalonil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Cyprodinil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dichlofluanid	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dicloran	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Difenoconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dimethomorph	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Diphenylamine	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenarimol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Flusilazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Hexaconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Imazalil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Iprodione	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Metalaxyl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Penconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prochloraz	ug/L	<00.1	<00.1	<00.1	<00.1	NR47
Procymidone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propiconazole I	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propiconazole II	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pyrimethanil	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tebuconazole	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Vinclozolin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
o-Phenylphenol	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Carbamates						
Carbaryl	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Fenoxycarb	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pirimicarb	ug/L	<0.1	<0.1	<0.1	<0.1	NR47

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Lab Reg No.	Units	N24/004254	N24/004255	N24/004256	N24/004257	Method
Date Sampled		19-FEB-2024	19-FEB-2024	19-FEB-2024	19-FEB-2024	
Sample Reference		.	.	.	.	
Herbicides						
Atrazine	ug/L	0.18	0.18	0.21	<0.1	NR47
Diuron	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Hexazinone	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Linuron	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Metolachlor	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Molinate	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Oxyfluorfen	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Pendimethalin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Prometryn	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Simazine	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Trifluralin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Miscellaneous						
Buprofezin	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Methoprene	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Piperonyl Butoxide	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Propargite	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tebufenpyrad	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Tetradifon	ug/L	<0.1	<0.1	<0.1	<0.1	NR47
Dates						
Date extracted		8-MAR-2024	8-MAR-2024	8-MAR-2024	8-MAR-2024	
Date analysed		11-MAR-2024	11-MAR-2024	11-MAR-2024	11-MAR-2024	

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<b>Client</b> : DEPARTMENT OF CLIMATE CHANGE, ENERGY, THE ENVIRONM ENVIRONMENTAL PROTECTION SCIENCE DIVISION <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div> <b>Attention</b> : <div style="background-color: black; width: 150px; height: 15px; display: inline-block;"></div> <b>Project Name</b> : <b>Your Client Services Manager</b> : <div style="background-color: black; width: 70px; height: 15px; display: inline-block;"></div>	<b>Job No.</b> : EPA11/240229 <b>Quote No.</b> : QT-02257 <b>Order No.</b> : <b>Date Received</b> : 29-FEB-2024 <b>Sampled By</b> : CLIENT  <b>Phone</b> : <div style="background-color: black; width: 80px; height: 15px; display: inline-block;"></div>
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Lab Reg No.	Sample Ref	Sample Description
N24/004258	.	WATER MFK-WILCANNIA BUOY

Lab Reg No.		N24/004258				
Date Sampled		20-FEB-2024				
Sample Reference		.				
	Units					Method
<b>Organochlorine (OC) Pesticides</b>						
HCB	ug/L	<0.1				NR47
Heptachlor	ug/L	<0.1				NR47
Heptachlor epoxide	ug/L	<0.1				NR47
Aldrin	ug/L	<0.1				NR47
gamma-BHC(Lindane)	ug/L	<0.1				NR47
alpha-BHC	ug/L	<0.1				NR47
beta-BHC	ug/L	<0.1				NR47
delta-BHC	ug/L	<0.1				NR47
trans-Chlordane	ug/L	<0.1				NR47
cis-Chlordane	ug/L	<0.1				NR47
Oxychlordane	ug/L	<0.1				NR47
Dieldrin	ug/L	<0.1				NR47
p,p-DDE	ug/L	<0.1				NR47
p,p-DDD	ug/L	<0.1				NR47
p,p-DDT	ug/L	<0.1				NR47
Endrin	ug/L	<0.1				NR47
Endrin aldehyde	ug/L	<0.1				NR47
Endrin Ketone	ug/L	<0.1				NR47
alpha-Endosulfan	ug/L	<0.1				NR47
beta-Endosulfan	ug/L	<0.1				NR47
Endosulfan sulfate	ug/L	<0.1				NR47
Methoxychlor	ug/L	<0.1				NR47
Dicofol	ug/L	<0.1				NR47
Surrogate: DF-DDE	%REC	118				NR47
<b>Phenoxy Acid Herbicides</b>						
Dicamba	ug/L	<1				NGCMS_1117
MCPA	ug/L	<1				NGCMS_1117
Dichlorprop	ug/L	<1				NGCMS_1117
2,4-D	ug/L	<1				NGCMS_1117
2,4,5-T	ug/L	<1				NGCMS_1117

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Lab Reg No.		N24/004258				
Date Sampled		20-FEB-2024				
Sample Reference		.				
	Units					Method
<b>Phenoxy Acid Herbicides</b>						
2,4,5-TP	ug/L	< 1				NGCMS_1117
2,4-DB	ug/L	< 1				NGCMS_1117
MCP	ug/L	< 1				NGCMS_1117
Triclopyr	ug/L	< 1				NGCMS_1117
Picloram	ug/L	< 1				NGCMS_1117
Clorpyralid	ug/L	< 1				NGCMS_1117
Fluroxypyr	ug/L	< 1				NGCMS_1117
<b>LC-MS/MS Screen</b>						
Acephate	ug/L	< 2				NR51
Aldicarb	ug/L	< 1				NR51
Bensulfuron methyl	ug/L	< 2				NR51
Bromacil	ug/L	< 1				NR51
Carbaryl	ug/L	< 1				NR51
Carbendazim	ug/L	< 1				NR51
Carbofuran	ug/L	< 1				NR51
Carbofuran-3-hydroxy	ug/L	< 1				NR51
Chlortoluron	ug/L	< 2				NR51
Cyanazine	ug/L	< 1				NR51
Diuron	ug/L	< 1				NR51
Endothal	ug/L	< 2				NR51
Fipronil	ug/L	< 2				NR51
Imazalil	ug/L	< 5				NR51
Imazethapyr	ug/L	< 1				NR51
Imidacloprid	ug/L	< 1				NR51
Isoproturon	ug/L	< 1				NR51
Linuron	ug/L	< 5				NR51
Metalaxyl	ug/L	< 1				NR51
Methamidophos	ug/L	< 1				NR51
Methomyl	ug/L	< 1				NR51
Metolachlor	ug/L	< 2				NR51
Metsulfuron methyl	ug/L	< 1				NR51
Monocrotophos	ug/L	< 2				NR51
Omethoate	ug/L	< 1				NR51
Oxamyl (Thixamyl)	ug/L	< 1				NR51
Pirimicarb	ug/L	< 1				NR51
Propazine	ug/L	< 1				NR51
Pyriproxifen	ug/L	< 5				NR51
Sethoxydim	ug/L	< 1				NR51
Tebuconazole	ug/L	< 2				NR51
Tebuthiuron	ug/L	< 1				NR51
Temephos	ug/L	< 2				NR51

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Lab Reg No.		N24/004258				
Date Sampled		20-FEB-2024				
Sample Reference		.				
	Units					Method
<b>LC-MS/MS Screen</b>						
Terbutylazine	ug/L	< 1				NR51
Thiabendazole	ug/L	< 1				NR51
Thiodicarb	ug/L	< 5				NR51
Triadimefon	ug/L	< 1				NR51
Vamidothion	ug/L	< 1				NR51
<b>Organophosphate (OP) Pesticides</b>						
Dichlorvos	ug/L	< 0.1				NR47
Demeton-S-methyl	ug/L	< 0.1				NR47
Diazinon	ug/L	< 0.1				NR47
Dimethoate	ug/L	< 0.1				NR47
Chlorpyrifos	ug/L	< 0.1				NR47
Chlorpyrifos methyl	ug/L	< 0.1				NR47
Malathion	ug/L	< 0.1				NR47
Fenthion	ug/L	< 0.1				NR47
Ethion	ug/L	< 0.1				NR47
Fenitrothion	ug/L	< 0.1				NR47
Chlorfenvinphos (E)	ug/L	< 0.1				NR47
Chlorfenvinphos (Z)	ug/L	< 0.1				NR47
Parathion (ethyl)	ug/L	< 0.1				NR47
Parathion methyl	ug/L	< 0.1				NR47
Pirimiphos methyl	ug/L	< 0.1				NR47
Pirimiphos ethyl	ug/L	< 0.1				NR47
Azinphos methyl	ug/L	< 0.1				NR47
Azinphos ethyl	ug/L	< 0.1				NR47
Bromophos ethyl	ug/L	< 0.1				NR47
Carbophenothion	ug/L	< 0.1				NR47
Coumaphos	ug/L	< 0.1				NR47
Dioxathion	ug/L	< 0.1				NR47
Fenamiphos	ug/L	< 0.1				NR47
Fenchlorphos	ug/L	< 0.1				NR47
Formothion	ug/L	< 0.1				NR47
Methacrifos	ug/L	< 0.1				NR47
Methidathion	ug/L	< 0.1				NR47
Mevinphos	ug/L	< 0.1				NR47
Phorate	ug/L	< 0.1				NR47
Phosalone	ug/L	< 0.1				NR47
Profenophos	ug/L	< 0.1				NR47
Prothiofos	ug/L	< 0.1				NR47
Thiometon	ug/L	< 0.1				NR47
Triazophos	ug/L	< 0.1				NR47
Surrogate: TPP	%REC	109				NR47

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Lab Reg No.		N24/004258				
Date Sampled		20-FEB-2024				
Sample Reference		.				
	Units					Method
<b>Synthetic Pyrethroids</b>						
Bifenthrin	ug/L	<0.1				NR47
Bioresmethrin	ug/L	<0.1				NR47
Cyfluthrin	ug/L	<0.1				NR47
Cyhalothrin	ug/L	<0.1				NR47
Cypermethrin	ug/L	<0.1				NR47
Deltamethrin	ug/L	<0.1				NR47
Fenvalerate	ug/L	<0.1				NR47
Permethrin	ug/L	<0.1				NR47
Phenothrin	ug/L	<0.1				NR47
<b>Fungicides</b>						
Bupirimate	ug/L	<0.1				NR47
Chlorothalonil	ug/L	<0.1				NR47
Cyprodinil	ug/L	<0.1				NR47
Dichlofluanid	ug/L	<0.1				NR47
Dicloran	ug/L	<0.1				NR47
Difenoconazole	ug/L	<0.1				NR47
Dimethomorph	ug/L	<0.1				NR47
Diphenylamine	ug/L	<0.1				NR47
Fenarimol	ug/L	<0.1				NR47
Flusilazole	ug/L	<0.1				NR47
Hexaconazole	ug/L	<0.1				NR47
Imazalil	ug/L	<0.1				NR47
Iprodione	ug/L	<0.1				NR47
Metalaxyl	ug/L	<0.1				NR47
Penconazole	ug/L	<0.1				NR47
Prochloraz	ug/L	<00.1				NR47
Procymidone	ug/L	<0.1				NR47
Propiconazole I	ug/L	<0.1				NR47
Propiconazole II	ug/L	<0.1				NR47
Pyrimethanil	ug/L	<0.1				NR47
Tebuconazole	ug/L	<0.1				NR47
Vinclozolin	ug/L	<0.1				NR47
o-Phenylphenol	ug/L	<0.1				NR47
<b>Carbamates</b>						
Carbaryl	ug/L	<0.1				NR47
Fenoxycarb	ug/L	<0.1				NR47
Pirimicarb	ug/L	<0.1				NR47
<b>Herbicides</b>						
Atrazine	ug/L	<0.1				NR47
Diuron	ug/L	<0.1				NR47
Hexazinone	ug/L	<0.1				NR47

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Lab Reg No.		N24/004258				
Date Sampled		20-FEB-2024				
Sample Reference		.				
	Units					Method
<b>Herbicides</b>						
Linuron	ug/L	<0.1				NR47
Metolachlor	ug/L	<0.1				NR47
Molinate	ug/L	<0.1				NR47
Oxyfluorfen	ug/L	<0.1				NR47
Pendimethalin	ug/L	<0.1				NR47
Prometryn	ug/L	<0.1				NR47
Simazine	ug/L	<0.1				NR47
Trifluralin	ug/L	<0.1				NR47
<b>Miscellaneous</b>						
Buprofezin	ug/L	<0.1				NR47
Methoprene	ug/L	<0.1				NR47
Piperonyl Butoxide	ug/L	<0.1				NR47
Propargite	ug/L	<0.1				NR47
Tebufenpyrad	ug/L	<0.1				NR47
Tetradifon	ug/L	<0.1				NR47
<b>Dates</b>						
Date extracted		8-MAR-2024				
Date analysed		11-MAR-2024				



Analyst

Organics - NSW

Accreditation No. 198

15-MAR-2024



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\* Denotes the analyte or test method is not within our ISO/IEC 17025 scope of accreditation.

Measurement Uncertainty is available upon request.

National Measurement Institute

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The testing was undertaken at:

