

检测报告

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样品 空白(1) 地下水(7) 土壤(21)
项目 -

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报告编号 SHE22-04500 R0
SGS编号 0000247158
报告日期 2022/11/02
分析日期 2022/10/14 - 2022/11/02

备注

1. 结果适用于收到的样品。
2. 项目名称：0650072 拜耳作物科学（中国）有限公司2022年自行监测。

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符号表/Legend

"-" 未测试该参数或不适用/The parameter is not tested or not applicable

↑ 提高检出限/Detection limit raised

↓ 降低检出限/Detection limit lowered

ND 未检出/Not Detected



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				实验室编号	22-04500.001	22-04500.002	22-04500.003	22-04500.004
				样品名称	2A01-W(MW-2)	2B01-W(MW-6)	2B02-W(SMW-3)	2C01-W(MW-4)
				检测类别	地下水	地下水	地下水	地下水
				样品描述	浑浊灰黑	浑浊灰黑	浑浊棕色	微浑微黄
				收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果				
氯化物	HJ 84	mg/L	0.007	18.2	2.19	57.2	69.5	
氟化物	HJ 84	mg/L	0.006	0.458	0.854	40.4	2.27	
硫酸盐	HJ 84	mg/L	0.018	5.81	14.7	5.96	76.8	
亚硝酸盐氮 (N计)	HJ 84	mg/L	0.005	ND(<0.050)†	ND(<0.050)†	ND(<0.050)†	ND(<0.050)†	
硝酸盐氮 (N计)	HJ 84	mg/L	0.0036	0.0716	0.0537	0.0670	0.0675	
氨氮	HJ 535	mg/L	0.025	0.481	1.95	5.45	0.563	
高锰酸盐指数	GB/T 11892	O ₂ , mg/L	0.5	1.5	1.6	15.4	3.7	
六价铬	DZ/T 0064.17	mg/L	0.004	ND	ND	ND	ND	
镉	HJ 700	µg/L	0.05	ND	ND	0.07	ND	
铜	HJ 700	µg/L	0.08	1.60	0.81	9.04	2.30	
铅	HJ 700	µg/L	0.09	ND	ND	5.26	0.12	
镍	HJ 700	µg/L	0.06	0.30	0.13	4.44	0.64	
汞	HJ 694	µg/L	0.04	ND	ND	ND	ND	
砷	HJ 694	µg/L	0.3	2.7	7.0	138	11.1	
可萃取性石油烃								
石油烃 (C ₁₀ -C ₄₀)	HJ 894	mg/L	0.01	0.02	0.02	0.04	ND	
挥发性有机物								
替代物								
甲苯-d8	HJ 639	%	-	97.0	94.2	89.4	97.8	
4-溴氟苯	HJ 639	%	-	115	119	117	98.2	
二溴一氟甲烷	HJ 639	%	-	109	128	129	130	
挥发性有机物								
苯	HJ 639	µg/L	1.4	ND	ND	2.3	ND	
甲苯	HJ 639	µg/L	1.4	ND	ND	ND	ND	
乙苯	HJ 639	µg/L	0.8	ND	ND	ND	ND	
苯乙烯	HJ 639	µg/L	0.6	ND	ND	ND	ND	
间&对-二甲苯	HJ 639	µg/L	2.2	ND	ND	ND	ND	
邻-二甲苯	HJ 639	µg/L	1.4	ND	ND	ND	ND	
1,2-二氯丙烷	HJ 639	µg/L	1.2	ND	ND	ND	ND	
氯甲烷	HJ 639	µg/L	1.5	ND	ND	ND	ND	
氯乙烷	HJ 639	µg/L	1.5	ND	ND	ND	ND	
1,1-二氯乙烷	HJ 639	µg/L	1.2	ND	ND	ND	ND	
二氯甲烷	HJ 639	µg/L	1.0	ND	ND	ND	ND	
反-1,2-二氯乙烷	HJ 639	µg/L	1.1	ND	ND	ND	ND	
1,1-二氯乙烷	HJ 639	µg/L	1.2	ND	ND	ND	ND	
顺-1,2-二氯乙烷	HJ 639	µg/L	1.2	ND	ND	ND	ND	
1,1,1-三氯乙烷	HJ 639	µg/L	1.4	ND	ND	ND	ND	
四氯化碳	HJ 639	µg/L	1.5	ND	ND	ND	ND	
1,2-二氯乙烷	HJ 639	µg/L	1.4	ND	ND	ND	2.4	
三氯乙烷	HJ 639	µg/L	1.2	ND	ND	ND	ND	
1,1,2-三氯乙烷	HJ 639	µg/L	1.5	ND	ND	ND	ND	
四氯乙烯	HJ 639	µg/L	1.2	ND	ND	ND	ND	
1,1,1,2-四氯乙烷	HJ 639	µg/L	1.5	ND	ND	ND	ND	
1,1,2,2-四氯乙烷	HJ 639	µg/L	1.1	ND	ND	ND	ND	
1,2,3-三氯丙烷	HJ 639	µg/L	0.5	ND	ND	ND	ND	
氯苯	HJ 639	µg/L	1.0	ND	ND	338	ND	
1,4-二氯苯	HJ 639	µg/L	0.8	ND	ND	ND	ND	
1,2-二氯苯	HJ 639	µg/L	0.8	ND	ND	ND	ND	
氯仿	HJ 639	µg/L	1.4	ND	ND	ND	ND	
萘	HJ 639	µg/L	1.0	ND	ND	ND	ND	



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分析指标	方法	单位	检出限	检测结果	22-04500.001 2A01-W(MW-2) 地下水 浑浊灰黑 2022/10/14	22-04500.002 2B01-W(MW-6) 地下水 浑浊灰黑 2022/10/14	22-04500.003 2B02-W(SMW-3) 地下水 浑浊棕色 2022/10/14	22-04500.004 2C01-W(MW-4) 地下水 微浑微黄 2022/10/14
替代物								
硝基苯-d5	HJ 716	%	-	78	76	73	73	
硝基苯类								
硝基苯	HJ 716	µg/L	0.04	ND	ND	ND	ND	
苯胺类								
苯胺	HJ 1048	µg/L	0.2	ND	ND	ND	ND	
苯酚类								
2-氯苯酚	HJ 744	µg/L	0.1	ND	ND	ND	ND	
替代物								
十氯联苯	HJ 478	%	-	50	70	79	51	
多环芳烃类								
苯并(a)蒽	HJ 478	µg/L	0.007	ND	ND	ND	ND	
屈	HJ 478	µg/L	0.008	ND	ND	ND	ND	
苯并(a)芘	HJ 478	µg/L	0.004	ND	ND	ND	ND	
苯并(b)荧蒹	HJ 478	µg/L	0.003	ND	ND	ND	ND	
苯并(k)荧蒹	HJ 478	µg/L	0.004	ND	ND	ND	ND	
茚并(1,2,3-cd)芘	HJ 478	µg/L	0.003	ND	ND	ND	ND	
二苯并(a,h)蒽	HJ 478	µg/L	0.003	ND	ND	ND	ND	
有机氯农药								
溴氰菊酯	HJ 753	µg/L	0.04	ND	ND	ND	ND	
氟虫腈	NY/T 3277	µg/L	1.0	ND	ND	ND	ND	

分析指标	方法	单位	检出限	检测结果	22-04500.005 2D01-W(MW-5) 地下水 浑浊灰黑 2022/10/14	22-04500.006 DZW01-W (SMW-1) 地下水 微浑微黄 2022/10/14	22-04500.008 DUP-1-W 地下水 浑浊灰黑 2022/10/14
氯化物	HJ 84	mg/L	0.007	3.38	1.77	2.92	
氟化物	HJ 84	mg/L	0.006	0.341	0.664	0.344	
硫酸盐	HJ 84	mg/L	0.018	15.3	41.6	15.1	
亚硝酸盐氮 (N计)	HJ 84	mg/L	0.005	ND(<0.050)†	ND(<0.050)†	ND(<0.050)†	
硝酸盐氮 (N计)	HJ 84	mg/L	0.0036	ND(<0.0360)†	0.141	ND(<0.0360)†	
氨氮	HJ 535	mg/L	0.025	1.22	0.331	1.23	
高锰酸盐指数	GB/T 11892	O ₂ , mg/L	0.5	1.8	11.6	1.8	
六价铬	DZ/T 0064.17	mg/L	0.004	ND	ND	ND	
镉	HJ 700	µg/L	0.05	ND	ND	ND	
铜	HJ 700	µg/L	0.08	0.68	2.27	0.67	
铅	HJ 700	µg/L	0.09	ND	ND	0.10	
镍	HJ 700	µg/L	0.06	0.57	0.86	0.55	
汞	HJ 694	µg/L	0.04	ND	ND	ND	
砷	HJ 694	µg/L	0.3	5.0	1.0	4.0	
可萃取性石油烃							
石油烃 (C ₁₀ -C ₄₀)	HJ 894	mg/L	0.01	0.01	0.02	0.02	
挥发性有机物							
替代物							
甲苯-d8	HJ 639	%	-	95.9	95.5	93.8	
4-溴氟苯	HJ 639	%	-	111	109	115	
二溴一氟甲烷	HJ 639	%	-	120	122	128	
挥发性有机物							



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分析指标		方法	单位	检出限	检测结果	
苯		HJ 639	µg/L	1.4	ND	ND
甲苯		HJ 639	µg/L	1.4	ND	ND
乙苯		HJ 639	µg/L	0.8	ND	ND
苯乙烯		HJ 639	µg/L	0.6	ND	ND
间&对-二甲苯		HJ 639	µg/L	2.2	ND	ND
邻-二甲苯		HJ 639	µg/L	1.4	ND	ND
1,2-二氯丙烷		HJ 639	µg/L	1.2	ND	ND
氯甲烷		HJ 639	µg/L	1.5	ND	ND
氯乙烯		HJ 639	µg/L	1.5	ND	ND
1,1-二氯乙烯		HJ 639	µg/L	1.2	ND	ND
二氯甲烷		HJ 639	µg/L	1.0	ND	ND
反-1,2-二氯乙烯		HJ 639	µg/L	1.1	ND	ND
1,1-二氯乙烷		HJ 639	µg/L	1.2	ND	ND
顺-1,2-二氯乙烯		HJ 639	µg/L	1.2	ND	ND
1,1,1-三氯乙烯		HJ 639	µg/L	1.4	ND	ND
四氯化碳		HJ 639	µg/L	1.5	ND	ND
1,2-二氯乙烷		HJ 639	µg/L	1.4	ND	ND
三氯乙烯		HJ 639	µg/L	1.2	ND	ND
1,1,2-三氯乙烷		HJ 639	µg/L	1.5	ND	ND
四氯乙烯		HJ 639	µg/L	1.2	ND	ND
1,1,1,2-四氯乙烷		HJ 639	µg/L	1.5	ND	ND
1,1,2,2-四氯乙烷		HJ 639	µg/L	1.1	ND	ND
1,2,3-三氯丙烷		HJ 639	µg/L	0.5	ND	ND
氯苯		HJ 639	µg/L	1.0	2.2	2.3
1,4-二氯苯		HJ 639	µg/L	0.8	ND	ND
1,2-二氯苯		HJ 639	µg/L	0.8	ND	ND
氯仿		HJ 639	µg/L	1.4	ND	ND
苯		HJ 639	µg/L	1.0	ND	ND
替代物						
硝基苯-d5		HJ 716	%	-	73	71
硝基苯类						
硝基苯		HJ 716	µg/L	0.04	ND	ND
苯胺类						
苯胺		HJ 1048	µg/L	0.2	ND	ND
苯酚类						
2-氯苯酚		HJ 744	µg/L	0.1	ND	ND
替代物						
十氯联苯		HJ 478	%	-	87	87
多环芳烃类						
苯并(a)蒽		HJ 478	µg/L	0.007	ND	ND
屈		HJ 478	µg/L	0.008	ND	ND
苯并(a)芘		HJ 478	µg/L	0.004	ND	ND
苯并(b)荧蒽		HJ 478	µg/L	0.003	ND	ND
苯并(k)荧蒽		HJ 478	µg/L	0.004	ND	ND
茚并(1,2,3-cd)芘		HJ 478	µg/L	0.003	ND	ND
二苯并(a,h)蒽		HJ 478	µg/L	0.003	ND	ND
有机氯农药						
溴氰菊酯		HJ 753	µg/L	0.04	ND	ND
氟虫腈		NY/T 3277	µg/L	1.0	ND	ND



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				实验室编号 样品名称 检测类别 样品描述 收样日期	22-04500.009 1A01-005 土壤 较密棕色 2022/10/14	22-04500.010 1A01-020 土壤 较密棕色 2022/10/14	22-04500.011 1B01-005 土壤 较密棕色 2022/10/14	22-04500.012 1B01-025 土壤 较密棕色 2022/10/14
分析指标		方法	单位	检出限	检测结果			
pH	HJ 962	无量纲	-	8.32	8.41	8.73	8.93	
总氟化物(以F计)	HJ 873	mg/kg	63	420	426	391	373	
石油烃 (C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	27	19	22	12	
六价铬	HJ 1082	mg/kg	0.5	ND	ND	ND	ND	
铅	GB/T 17141	mg/kg	0.1	17.7	16.9	19.7	17.3	
镉	GB/T 17141	mg/kg	0.01	0.09	0.07	0.09	0.07	
砷	HJ 803	mg/kg	0.6	3.9	3.9	6.1	4.0	
铜	HJ 491	mg/kg	1	10	11	12	11	
镍	HJ 491	mg/kg	3	21	24	23	22	
汞	HJ 923	µg/kg	0.2	22.9	30.9	40.1	22.6	
挥发性有机物 替代物								
甲苯-d8	HJ 605	%	-	87	87	89	90	
4-溴氟苯	HJ 605	%	-	102	105	104	101	
二溴一氟甲烷	HJ 605	%	-	84	85	88	94	
挥发性有机物								
苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
乙苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
苯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
氯乙烯	HJ 605	mg/kg	0.04	ND	ND	ND	ND	
1,1-二氯乙烯	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
二氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
反-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
顺-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,1-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
四氯化碳	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,2-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,1,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,2,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND	ND	ND	ND	
氯苯	HJ 605	mg/kg	0.05	ND	2.17	ND	ND	
1,4-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
氯仿	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
萘	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
替代物								
2-氟苯酚	HJ 834	%	-	47	50	58	57	
苯酚-d6	HJ 834	%	-	56	57	61	63	
硝基苯-d5	HJ 834	%	-	59	55	66	67	
2-氟联苯	HJ 834	%	-	65	57	78	77	
对-三联苯-d14	HJ 834	%	-	68	61	89	85	



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				实验室编号	22-04500.009	22-04500.010	22-04500.011	22-04500.012
				样品名称	1A01-005	1A01-020	1B01-005	1B01-025
				检测类别	土壤	土壤	土壤	土壤
				样品描述	较密棕色	较密棕色	较密棕色	较密棕色
				收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果				
半挥发性有机物								
2-氯苯酚	HJ 834	mg/kg	0.06	ND	ND	ND	ND	
苯并(a)蒎	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
屈	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(b)荧蒎	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
苯并(k)荧蒎	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
二苯并(a,h)蒎	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
硝基苯	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
苯胺	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
有机磷类和拟除虫菊酯类								
溴氰菊酯	HJ 1023	mg/kg	0.8	ND	ND	ND	ND	
氟虫腈	HJ 1023	mg/kg	0.3	3.3	3.3	ND	ND	

		实验室编号	22-04500.013	22-04500.014	22-04500.015	22-04500.016
		样品名称	1B02-010	1B02-030	1B02-045	1B02-060
		检测类别	土壤	土壤	土壤	土壤
		样品描述	较密棕色	较密棕色	较密棕色	较密棕色
		收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果		
pH	HJ 962	无量纲	-	9.49	9.87	9.63
总氟化物(以F计)	HJ 873	mg/kg	63	483	417	433
石油烃 (C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	22	12	45
六价铬	HJ 1082	mg/kg	0.5	ND	ND	ND
铅	GB/T 17141	mg/kg	0.1	17.5	15.5	13.7
镉	GB/T 17141	mg/kg	0.01	0.08	0.05	0.05
砷	HJ 803	mg/kg	0.6	3.2	3.9	3.2
铜	HJ 491	mg/kg	1	11	9	6
镍	HJ 491	mg/kg	3	21	20	17
汞	HJ 923	µg/kg	0.2	24.9	19.8	14.5
挥发性有机物						
替代物						
甲苯-d8	HJ 605	%	-	85	82	87
4-溴氟苯	HJ 605	%	-	110	106	104
二溴一氟甲烷	HJ 605	%	-	93	91	96
挥发性有机物						
苯	HJ 605	mg/kg	0.05	ND	ND	ND
甲苯	HJ 605	mg/kg	0.05	ND	ND	ND
乙苯	HJ 605	mg/kg	0.05	ND	ND	ND
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND
苯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND	ND	ND
氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND
氯乙烯	HJ 605	mg/kg	0.04	ND	ND	ND
1,1-二氯乙烯	HJ 605	mg/kg	0.5	ND	ND	ND
二氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND
反-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND



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实验室编号	22-04500.013	22-04500.014	22-04500.015	22-04500.016
样品名称	1B02-010	1B02-030	1B02-045	1B02-060
检测类别	土壤	土壤	土壤	土壤
样品描述	软密棕色	软密棕色	软密棕色	软密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果			
顺-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,1-三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
四氯化碳	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,2-三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,1,2-四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,2,2-四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND	ND	ND	ND
氯苯	HJ 605	mg/kg	0.05	1.56	15.2	1.54	2.17
1,4-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
氯仿	HJ 605	mg/kg	0.05	ND	ND	ND	ND
萘	HJ 605	mg/kg	0.05	ND	ND	ND	ND
替代物							
2-氟苯酚	HJ 834	%	-	59	55	59	58
苯酚-d6	HJ 834	%	-	63	64	69	68
硝基苯-d5	HJ 834	%	-	71	54	59	66
2-氟联苯	HJ 834	%	-	68	55	64	74
对-三联苯-d14	HJ 834	%	-	68	54	76	85
半挥发性有机物							
2-氯苯酚	HJ 834	mg/kg	0.06	ND	ND	ND	ND
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
屈	HJ 834	mg/kg	0.1	ND	ND	ND	ND
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	ND
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND
二苯并(a,h)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
硝基苯	HJ 834	mg/kg	0.09	ND	ND	ND	ND
苯胺	HJ 834	mg/kg	0.1	ND	ND	ND	ND
有机磷类和拟除虫菊酯类							
溴氰菊酯	HJ 1023	mg/kg	0.8	ND	ND	ND	ND
氟虫腈	HJ 1023	mg/kg	0.3	ND	ND	ND	ND

实验室编号	22-04500.017	22-04500.018	22-04500.019	22-04500.020
样品名称	1C01-005	1C01-010	1C01-040	1D01-005
检测类别	土壤	土壤	土壤	土壤
样品描述	软密棕色	软密棕色	软密棕色	软密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果			
pH	HJ 962	无量纲	-	9.53	9.62	9.58	8.63
总氟化物(以F计)	HJ 873	mg/kg	63	391	419	340	350
石油烃 (C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	11	11	8	28
六价铬	HJ 1082	mg/kg	0.5	ND	ND	ND	ND
铅	GB/T 17141	mg/kg	0.1	18.6	15.1	14.9	16.3
镉	GB/T 17141	mg/kg	0.01	0.09	0.06	0.05	0.07
砷	HJ 803	mg/kg	0.6	5.0	4.6	4.6	5.1
铜	HJ 491	mg/kg	1	12	10	7	7



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				实验室编号	22-04500.017	22-04500.018	22-04500.019	22-04500.020
				样品名称	1C01-005	1C01-010	1C01-040	1D01-005
				检测类别	土壤	土壤	土壤	土壤
				样品描述	较密棕色	较密棕色	较密棕色	较密棕色
				收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果				
镍	HJ 491	mg/kg	3	22	20	19	21	
汞	HJ 923	µg/kg	0.2	36.6	25.9	18.1	18.4	
挥发性有机物								
替代物								
甲苯-d8	HJ 605	%	-	88	87	88	88	
4-溴氟苯	HJ 605	%	-	104	102	103	101	
二溴一氟甲烷	HJ 605	%	-	90	95	90	94	
挥发性有机物								
苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
乙苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
苯乙稀	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
氯乙稀	HJ 605	mg/kg	0.04	ND	ND	ND	ND	
1,1-二氯乙稀	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
二氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	
反-1,2-二氯乙稀	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
顺-1,2-二氯乙稀	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,1-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
四氯化碳	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
三氯乙稀	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,2-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
四氯乙稀	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,1,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,1,2,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND	ND	ND	ND	
氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,4-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
氯仿	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
萘	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
替代物								
2-氟苯酚	HJ 834	%	-	58	58	58	59	
苯酚-d6	HJ 834	%	-	66	64	69	60	
硝基苯-d5	HJ 834	%	-	66	70	57	70	
2-氟联苯	HJ 834	%	-	68	80	64	79	
对-三联苯-d14	HJ 834	%	-	69	96	71	91	
半挥发性有机物								
2-氯苯酚	HJ 834	mg/kg	0.06	ND	ND	ND	ND	
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
屈	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	



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				实验室编号	22-04500.017	22-04500.018	22-04500.019	22-04500.020
				样品名称	1C01-005	1C01-010	1C01-040	1D01-005
				检测类别	土壤	土壤	土壤	土壤
				样品描述	较密棕色	较密棕色	较密棕色	较密棕色
				收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标		方法	单位	检出限	检测结果			
二苯并(a,h)蒽		HJ 834	mg/kg	0.1	ND	ND	ND	ND
硝基苯		HJ 834	mg/kg	0.09	ND	ND	ND	ND
苯胺		HJ 834	mg/kg	0.1	ND	ND	ND	ND
有机磷类和拟除虫菊酯类								
溴氰菊酯		HJ 1023	mg/kg	0.8	ND	ND	ND	ND
氟虫腈		HJ 1023	mg/kg	0.3	ND	ND	ND	ND

实验室编号	22-04500.021	22-04500.022	22-04500.023	22-04500.024
样品名称	1D01-025	1D02-005	1D02-020	1D02-040
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果

pH	HJ 962	无量纲	-	9.08	8.76	9.15	9.59
总氟化物(以F计)	HJ 873	mg/kg	63	364	373	351	296
石油烃 (C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	10	9	14	10
六价铬	HJ 1082	mg/kg	0.5	ND	ND	ND	ND
铅	GB/T 17141	mg/kg	0.1	15.6	16.9	15.9	16.0
镉	GB/T 17141	mg/kg	0.01	0.06	0.07	0.06	0.06
砷	HJ 803	mg/kg	0.6	4.3	5.0	3.8	3.8
铜	HJ 491	mg/kg	1	9	11	8	8
镍	HJ 491	mg/kg	3	23	24	23	20
汞	HJ 923	µg/kg	0.2	23.8	61.7	16.4	16.8

挥发性有机物							
替代物							
甲苯-d8	HJ 605	%	-	86	87	89	89
4-溴氟苯	HJ 605	%	-	101	102	107	104
二溴一氟甲烷	HJ 605	%	-	91	88	92	93

挥发性有机物							
苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
乙苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
苯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND
氯乙烯	HJ 605	mg/kg	0.04	ND	ND	ND	ND
1,1-二氯乙烯	HJ 605	mg/kg	0.5	ND	ND	ND	ND
二氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND
反-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
顺-1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,1-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
四氯化碳	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,2-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,1,1,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND



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实验室编号	22-04500.021	22-04500.022	22-04500.023	22-04500.024
样品名称	1D01-025	1D02-005	1D02-020	1D02-040
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果			
1,1,2,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND	ND	ND	ND
氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,4-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
1,2-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND
氯仿	HJ 605	mg/kg	0.05	ND	ND	ND	ND
蔡	HJ 605	mg/kg	0.05	ND	ND	ND	ND
替代物							
2-氯苯酚	HJ 834	%	-	58	50	56	52
苯酚-d6	HJ 834	%	-	66	64	58	66
硝基苯-d5	HJ 834	%	-	65	59	64	63
2-氯联苯	HJ 834	%	-	80	70	65	70
对-三联苯-d14	HJ 834	%	-	82	94	88	83
半挥发性有机物							
2-氯苯酚	HJ 834	mg/kg	0.06	ND	ND	ND	ND
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
屈	HJ 834	mg/kg	0.1	ND	ND	ND	ND
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	ND
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND
二苯并(a,h)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND
硝基苯	HJ 834	mg/kg	0.09	ND	ND	ND	ND
苯胺	HJ 834	mg/kg	0.1	ND	ND	ND	ND
有机磷类和拟除虫菊酯类							
溴氰菊酯	HJ 1023	mg/kg	0.8	ND	ND	ND	ND
氟虫腈	HJ 1023	mg/kg	0.3	ND	ND	ND	ND

实验室编号	22-04500.025	22-04500.026	22-04500.027	22-04500.028
样品名称	1D02-060	DZS01-005	DZS01-030	DUP-1-S
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果			
pH	HJ 962	无量纲	-	9.36	8.89	9.01	8.84
总氟化物(以F计)	HJ 873	mg/kg	63	304	340	307	338
石油烃 (C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	6	6	8	16
六价铬	HJ 1082	mg/kg	0.5	ND	ND	ND	ND
铅	GB/T 17141	mg/kg	0.1	15.4	15.9	15.1	16.3
镉	GB/T 17141	mg/kg	0.01	0.06	0.07	0.06	0.07
砷	HJ 803	mg/kg	0.6	3.7	4.4	4.9	7.7
铜	HJ 491	mg/kg	1	6	10	8	8
镍	HJ 491	mg/kg	3	21	20	20	21
汞	HJ 923	µg/kg	0.2	11.7	76.9	14.5	15.8
挥发性有机物							
替代物							
甲苯-d8	HJ 605	%	-	87	88	91	87
4-溴氟苯	HJ 605	%	-	104	109	111	110
二溴一氟甲烷	HJ 605	%	-	94	87	79	89
挥发性有机物							



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				实验室编号	22-04500.025	22-04500.026	22-04500.027	22-04500.028
				样品名称	1D02-060	DZS01-005	DZS01-030	DUP-1-S
				检测类别	土壤	土壤	土壤	土壤
				样品描述	较密棕色	较密棕色	较密棕色	较密棕色
				收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果				
苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
乙苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
苯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	ND
氯乙烯	HJ 605	mg/kg	0.04	ND	ND	ND	ND	ND
1,1-二氯乙烯	HJ 605	mg/kg	0.5	ND	ND	ND	ND	ND
二氯甲烷	HJ 605	mg/kg	0.5	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
顺-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
四氯化碳	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
三氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
四氯乙烯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,1,1,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND	ND	ND	ND	ND
氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,4-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
1,2-二氯苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
氯仿	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
萘	HJ 605	mg/kg	0.05	ND	ND	ND	ND	ND
替代物								
2-氟苯酚	HJ 834	%	-	58	56	59	62	
苯酚-d6	HJ 834	%	-	63	64	69	65	
硝基苯-d5	HJ 834	%	-	66	52	59	59	
2-氟联苯	HJ 834	%	-	80	68	73	69	
对-三联苯-d14	HJ 834	%	-	83	74	84	81	
半挥发性有机物								
2-氯苯酚	HJ 834	mg/kg	0.06	ND	ND	ND	ND	
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
屈	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
二苯并(a,h)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
硝基苯	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
苯胺	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
有机磷类和拟除虫菊酯类								
溴氰菊酯	HJ 1023	mg/kg	0.8	ND	ND	ND	ND	
氟虫腈	HJ 1023	mg/kg	0.3	ND	ND	ND	ND	



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		实验室编号	22-04500.029	
		样品名称	DUP-2-S	
		检测类别	土壤	
		样品描述	较密棕色	
		收样日期	2022/10/14	
分析指标	方法	单位	检出限	检测结果
pH	HJ 962	无量纲	-	8.86
总氟化物(以F计)	HJ 873	mg/kg	63	364
石油烃(C ₁₀ -C ₄₀)	HJ 1021	mg/kg	6	7
六价铬	HJ 1082	mg/kg	0.5	ND
铅	GB/T 17141	mg/kg	0.1	16.5
镉	GB/T 17141	mg/kg	0.01	0.07
砷	HJ 803	mg/kg	0.6	5.4
铜	HJ 491	mg/kg	1	9
镍	HJ 491	mg/kg	3	22
汞	HJ 923	μg/kg	0.2	27.5
挥发性有机物				
替代物				
甲苯-d8	HJ 605	%	-	91
4-溴氟苯	HJ 605	%	-	113
二溴一氟甲烷	HJ 605	%	-	92
挥发性有机物				
苯	HJ 605	mg/kg	0.05	ND
甲苯	HJ 605	mg/kg	0.05	ND
乙苯	HJ 605	mg/kg	0.05	ND
间&对-二甲苯	HJ 605	mg/kg	0.05	ND
苯乙烯	HJ 605	mg/kg	0.05	ND
邻-二甲苯	HJ 605	mg/kg	0.05	ND
1,2-二氯丙烷	HJ 605	mg/kg	0.05	ND
氯甲烷	HJ 605	mg/kg	0.5	ND
氯乙烯	HJ 605	mg/kg	0.04	ND
1,1-二氯乙烯	HJ 605	mg/kg	0.5	ND
二氯甲烷	HJ 605	mg/kg	0.5	ND
反-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND
1,1-二氯乙烷	HJ 605	mg/kg	0.05	ND
顺-1,2-二氯乙烯	HJ 605	mg/kg	0.05	ND
1,1,1-三氯乙烷	HJ 605	mg/kg	0.05	ND
四氯化碳	HJ 605	mg/kg	0.05	ND
1,2-二氯乙烷	HJ 605	mg/kg	0.05	ND
三氯乙烯	HJ 605	mg/kg	0.05	ND
1,1,2-三氯乙烷	HJ 605	mg/kg	0.05	ND
四氯乙烯	HJ 605	mg/kg	0.05	ND
1,1,1,2-四氯乙烷	HJ 605	mg/kg	0.05	ND
1,1,2,2-四氯乙烷	HJ 605	mg/kg	0.05	ND
1,2,3-三氯丙烷	HJ 605	mg/kg	0.02	ND
氯苯	HJ 605	mg/kg	0.05	ND
1,4-二氯苯	HJ 605	mg/kg	0.05	ND
1,2-二氯苯	HJ 605	mg/kg	0.05	ND
氯仿	HJ 605	mg/kg	0.05	ND
萘	HJ 605	mg/kg	0.05	ND
替代物				
2-氟苯酚	HJ 834	%	-	59
苯酚-d6	HJ 834	%	-	64
硝基苯-d5	HJ 834	%	-	67
2-氟联苯	HJ 834	%	-	75
对-三联苯-d14	HJ 834	%	-	74



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实验室编号 22-04500.029
样品名称 DUP-2-S
检测类别 土壤
样品描述 软质棕色
收样日期 2022/10/14

分析指标	方法	单位	检出限	检测结果
半挥发性有机物				
2-氯苯酚	HJ 834	mg/kg	0.06	ND
苯并(a)蒽	HJ 834	mg/kg	0.1	ND
屈	HJ 834	mg/kg	0.1	ND
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND
苯并(a)芘	HJ 834	mg/kg	0.1	ND
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND
二苯并(a,h)蒽	HJ 834	mg/kg	0.1	ND
硝基苯	HJ 834	mg/kg	0.09	ND
苯胺	HJ 834	mg/kg	0.1	ND
有机磷类和拟除虫菊酯类				
溴氰菊酯	HJ 1023	mg/kg	0.8	ND
氟虫腈	HJ 1023	mg/kg	0.3	ND



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		实验室编号	22-04500.007	
		样品名称	TB-1	
		检测类别	空白	
		样品描述	-	
		收样日期	2022/10/14	
分析指标	方法	单位	检出限	检测结果
挥发性有机物				
替代物				
甲苯-d8	HJ 639	%	-	95.8
4-溴氟苯	HJ 639	%	-	116
二溴一氟甲烷	HJ 639	%	-	125
挥发性有机物				
苯	HJ 639	µg/L	1.4	ND
甲苯	HJ 639	µg/L	1.4	ND
乙苯	HJ 639	µg/L	0.8	ND
苯乙烯	HJ 639	µg/L	0.6	ND
间&对-二甲苯	HJ 639	µg/L	2.2	ND
邻-二甲苯	HJ 639	µg/L	1.4	ND
1,2-二氯丙烷	HJ 639	µg/L	1.2	ND
氯甲烷	HJ 639	µg/L	1.5	ND
氯乙烯	HJ 639	µg/L	1.5	ND
1,1-二氯乙烯	HJ 639	µg/L	1.2	ND
二氯甲烷	HJ 639	µg/L	1.0	ND
反-1,2-二氯乙烯	HJ 639	µg/L	1.1	ND
1,1-二氯乙烷	HJ 639	µg/L	1.2	ND
顺-1,2-二氯乙烯	HJ 639	µg/L	1.2	ND
1,1,1-三氯乙烷	HJ 639	µg/L	1.4	ND
四氯化碳	HJ 639	µg/L	1.5	ND
1,2-二氯乙烷	HJ 639	µg/L	1.4	ND
三氯乙烯	HJ 639	µg/L	1.2	ND
1,1,2-三氯乙烷	HJ 639	µg/L	1.5	ND
四氯乙烯	HJ 639	µg/L	1.2	ND
1,1,1,2-四氯乙烷	HJ 639	µg/L	1.5	ND
1,1,2,2-四氯乙烷	HJ 639	µg/L	1.1	ND
1,2,3-三氯丙烷	HJ 639	µg/L	0.5	ND
氯苯	HJ 639	µg/L	1.0	ND
1,4-二氯苯	HJ 639	µg/L	0.8	ND
1,2-二氯苯	HJ 639	µg/L	0.8	ND
氯仿	HJ 639	µg/L	1.4	ND
萘	HJ 639	µg/L	1.0	ND



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方法列表

HJ 84-2016 水质 阴离子的测定 离子色谱法
HJ 535-2009 水质 氨氮的测定 纳氏试剂分光光度法
GB/T 11892-1989 水质 高锰酸盐指数的测定
DZ/T 0064.17-2021 二苯碳酰二肼分光光度法测定地下水质中的六价铬含量
HJ 700-2014 水质 65种元素的测定 电感耦合等离子体质谱法
HJ 694-2014 水质 汞、砷、硒、铋和锑的测定原子荧光法
HJ 894-2017 水质 可萃取性石油烃C10-C40的测定 气相色谱法
HJ 639-2012 水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法
HJ 716-2014 水质 硝基苯类化合物的测定 气相色谱-质谱法
HJ 1048-2019 水质 17种苯胺类化合物的测定 液相色谱-三重四极杆质谱法
HJ 744-2015 水质 酚类化合物的测定 气相色谱-质谱法
HJ 478-2009 水质 多环芳烃的测定 液液萃取和固相萃取高效液相色谱法
HJ 753-2015 水质 百菌清及拟除虫菊酯类农药的测定 气相色谱-质谱法
NY/T 3277-2018 水中88种农药及代谢物残留量的测定液相色谱-串联质谱法和气相色谱-串联质谱法
HJ 962-2018 土壤 pH值的测定 电位法
HJ 873-2017 土壤 总氟化物的测定 离子选择电极法
HJ 1021-2019 土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法
HJ 1082-2019 土壤和沉积物 六价铬的测定 碱溶液提取-火焰原子吸收分光光度法
GB/T 17141-1997 土壤质量 铅、镉的测定 石墨炉原子吸收分光光度法&HJ832-2017 土壤和沉积物 金属元素总量的消解 微波消解法
HJ 803-2016 土壤和沉积物 12种金属元素的测定 王水提取-电感耦合等离子体质谱法
HJ 491-2019 土壤和沉积物 铜、锌、铅、镍、铬的测定 火焰原子吸收分光光度法
HJ 923-2017 土壤和沉积物 总汞的测定 催化热解-冷原子吸收分光光度法
HJ 605-2011 土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法
HJ 834-2017 土壤和沉积物 半挥发性有机物的测定 气相色谱-质谱法
HJ 1023-2019 土壤和沉积物 有机磷类和拟除虫菊酯类等47种农药的测定 气相色谱-质谱法



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方法:HJ 84-2016

仪器名称	型号	仪器编号	出厂序号
离子色谱仪	ICS-1500	CHEM-ENV112	06080130

方法:HJ 535-2009

仪器名称	型号	仪器编号	出厂序号
紫外可见分光光度计	PE Lambda365	CHEM-1355	365k20030307

方法:GB/T 11892-1989

仪器名称	型号	仪器编号	出厂序号
全自动高锰酸盐指数分析仪	202W	CHEM-1446	14100169A202

方法:DZ/T 0064.17-2021

仪器名称	型号	仪器编号	出厂序号
紫外可见分光光度计	PE Lambda365	CHEM-1355	365k20030307

方法:HJ 700-2014

仪器名称	型号	仪器编号	出厂序号
电感耦合等离子体质谱仪	Agilent 7900	CHEM-998	JP16311502

方法:HJ 694-2014

仪器名称	型号	仪器编号	出厂序号
原子荧光光谱仪	AFS	CHEM-1167	933-18042210
原子荧光光度计	Kylin-S12	CHEM-1401	KS12-2010075

方法:HJ 894-2017

仪器名称	型号	仪器编号	出厂序号
气相色谱仪-氢火焰离子检测器	Agilent 7890B	CHEM-ENV004	CN13283140

方法:HJ 639-2012

仪器名称	型号	仪器编号	出厂序号
吹扫捕集气相色谱质谱仪	Agilent TWR-AQUA100/7890B/5977B	CHEM-979	US16083002/CN16243106/US1623M026

方法:HJ 716-2014

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	Agilent 7890B/5977A	CHEM-1118	CN18053182/US1805M023

方法:HJ 1048-2019

仪器名称	型号	仪器编号	出厂序号
液相色谱-二极管阵列检测器/质谱联用仪	1260/6460	CHEM-1020	SG16517305

方法:HJ 744-2015

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	Agilent 6890/5973N	CHEM-ENV002	CN10411075/US40646566

方法:HJ 478-2009

仪器名称	型号	仪器编号	出厂序号
超高效液相色谱	Thermo UltiMate 3000	CHEM-1420	S/N:8180999 S/N:8180977 S/N:8181696

方法:HJ 753-2015

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	Agilent 7890B/5977A	CHEM-1118	CN18053182/US1805M023

方法:HJ 962-2018



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仪器名称	型号	仪器编号	出厂序号
多参数分析仪	Mettler S470-K	CHEM-1109	B803289021

方法:HJ 873-2017

仪器名称	型号	仪器编号	出厂序号
氟离子分析仪	Fluoride ion selective electrode	CHEM-1032	621400N0016070036

方法:HJ 1021-2019

仪器名称	型号	仪器编号	出厂序号
气相色谱仪-氢火焰离子检测器	Agilent 7890B	CHEM-ENV004	CN13283140

方法:HJ 1082-2019

仪器名称	型号	仪器编号	出厂序号
原子吸收光谱仪	ThermoFisher iCE3500	CHEM-1161	SA17510136

方法:GB/T 17141-1997

仪器名称	型号	仪器编号	出厂序号
原子吸收光谱仪	ThermoFisher iCE3500	CHEM-1191	SA17180059
原子吸收光谱仪	ThermoFisher iCE3500	CHEM-1192	SA17180132

方法:HJ 803-2016

仪器名称	型号	仪器编号	出厂序号
电感耦合等离子体质谱仪	Agilent 7900	CHEM-998	JP16311502

方法:HJ 491-2019

仪器名称	型号	仪器编号	出厂序号
原子吸收光谱仪	ThermoFisher iCE3500	CHEM-1161	SA17510136

方法:HJ 923-2017

仪器名称	型号	仪器编号	出厂序号
测汞仪	Milestone DMA-80	CHEM-960	11091044

方法:HJ 605-2011

仪器名称	型号	仪器编号	出厂序号
吹扫捕集气相色谱质谱仪	Agilent TWR-AQUA100/7890B/5977B	chem-979	US16083002/CN16243106/US1623M026

方法:HJ 834-2017

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	Agilent 7890B/5977A	CHEM-896	CN15243012/US1521M406

方法:HJ 1023-2019

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	Agilent 7890B/5977A	CHEM-896	CN15243012/US1521M406



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
土壤质量 铅、镉的测定 石墨炉原子吸收分光光度法&HJ832-2017 土壤和沉积物 金属元素总量的消解 微波消解法 方法：GB/T 17141-1997					
铅	LB2232635	mg/kg	0.1	<0.1	<0.1
铅	LB2232636	mg/kg	0.1	<0.1	<0.1
镉	LB2232635	mg/kg	0.01	<0.01	<0.01
镉	LB2232636	mg/kg	0.01	<0.01	<0.01
土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法 方法：HJ 1021-2019					
石油烃 (C ₁₀ -C ₄₀)	LB2232257	mg/kg	6	<6	<6
石油烃 (C ₁₀ -C ₄₀)	LB2232258	mg/kg	6	<6	<6
土壤和沉积物 有机磷类和拟除虫菊酯类等47种农药的测定 气相色谱-质谱法 方法：HJ 1023-2019					
溴氰菊酯	LB2234657	mg/kg	0.8	<0.8	<0.8
溴氰菊酯	LB2234658	mg/kg	0.8	<0.8	<0.8
氟虫腈	LB2234657	mg/kg	0.3	<0.3	<0.3
氟虫腈	LB2234658	mg/kg	0.3	<0.3	<0.3
土壤和沉积物 六价铬的测定 碱溶液提取-火焰原子吸收分光光度法 方法：HJ 1082-2019					
六价铬	LB2232579	mg/kg	0.5	<0.5	<0.5
六价铬	LB2232581	mg/kg	0.5	<0.5	<0.5
土壤和沉积物 铜、锌、铅、镉、铬的测定 火焰原子吸收分光光度法 方法：HJ 491-2019					
铜	LB2232641	mg/kg	1	<1	<1
铜	LB2232642	mg/kg	1	<1	<1
镉	LB2232641	mg/kg	3	<3	<3
镉	LB2232642	mg/kg	3	<3	<3
土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011					
甲苯-d8	LB2231828	%	-	88	70-130
甲苯-d8	LB2231829	%	-	88	70-130
4-溴氟苯	LB2231828	%	-	112	70-130
4-溴氟苯	LB2231829	%	-	106	70-130
二溴一氟甲烷	LB2231828	%	-	86	70-130
二溴一氟甲烷	LB2231829	%	-	87	70-130
苯	LB2231828	mg/kg	0.05	<0.05	<0.05
苯	LB2231829	mg/kg	0.05	<0.05	<0.05
甲苯	LB2231828	mg/kg	0.05	<0.05	<0.05
甲苯	LB2231829	mg/kg	0.05	<0.05	<0.05
乙苯	LB2231828	mg/kg	0.05	<0.05	<0.05
乙苯	LB2231829	mg/kg	0.05	<0.05	<0.05



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法: HJ 605-2011(继续)					
间&对-二甲苯	LB2231828	mg/kg	0.05	<0.05	<0.05
间&对-二甲苯	LB2231829	mg/kg	0.05	<0.05	<0.05
苯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
苯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
邻-二甲苯	LB2231828	mg/kg	0.05	<0.05	<0.05
邻-二甲苯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,2-二氯丙烷	LB2231828	mg/kg	0.05	<0.05	<0.05
1,2-二氯丙烷	LB2231829	mg/kg	0.05	<0.05	<0.05
氯甲烷	LB2231828	mg/kg	0.5	<0.5	<0.5
氯甲烷	LB2231829	mg/kg	0.5	<0.5	<0.5
氯乙烯	LB2231828	mg/kg	0.04	<0.04	<0.04
氯乙烯	LB2231829	mg/kg	0.04	<0.04	<0.04
1,1-二氯乙烯	LB2231828	mg/kg	0.5	<0.5	<0.5
1,1-二氯乙烯	LB2231829	mg/kg	0.5	<0.5	<0.5
二氯甲烷	LB2231828	mg/kg	0.5	<0.5	<0.5
二氯甲烷	LB2231829	mg/kg	0.5	<0.5	<0.5
反-1,2-二氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
反-1,2-二氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,1-二氯乙烷	LB2231828	mg/kg	0.05	<0.05	<0.05
1,1-二氯乙烷	LB2231829	mg/kg	0.05	<0.05	<0.05
顺-1,2-二氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
顺-1,2-二氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,1,1-三氯乙烷	LB2231828	mg/kg	0.05	<0.05	<0.05
1,1,1-三氯乙烷	LB2231829	mg/kg	0.05	<0.05	<0.05
四氯化碳	LB2231828	mg/kg	0.05	<0.05	<0.05
四氯化碳	LB2231829	mg/kg	0.05	<0.05	<0.05
1,2-二氯乙烷	LB2231828	mg/kg	0.05	<0.05	<0.05
1,2-二氯乙烷	LB2231829	mg/kg	0.05	<0.05	<0.05
三氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
三氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,1,2-三氯乙烷	LB2231828	mg/kg	0.05	<0.05	<0.05
1,1,2-三氯乙烷	LB2231829	mg/kg	0.05	<0.05	<0.05
四氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法: HJ 605-2011(继续)					
四氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,1,1,2-四氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
1,1,1,2-四氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,1,2,2-四氯乙烯	LB2231828	mg/kg	0.05	<0.05	<0.05
1,1,2,2-四氯乙烯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,2,3-三氯丙烷	LB2231828	mg/kg	0.02	<0.02	<0.02
1,2,3-三氯丙烷	LB2231829	mg/kg	0.02	<0.02	<0.02
氯苯	LB2231828	mg/kg	0.05	<0.05	<0.05
氯苯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,4-二氯苯	LB2231828	mg/kg	0.05	<0.05	<0.05
1,4-二氯苯	LB2231829	mg/kg	0.05	<0.05	<0.05
1,2-二氯苯	LB2231828	mg/kg	0.05	<0.05	<0.05
1,2-二氯苯	LB2231829	mg/kg	0.05	<0.05	<0.05
氯仿	LB2231828	mg/kg	0.05	<0.05	<0.05
氯仿	LB2231829	mg/kg	0.05	<0.05	<0.05
萘	LB2231828	mg/kg	0.05	<0.05	<0.05
萘	LB2231829	mg/kg	0.05	<0.05	<0.05

土壤和沉积物 12种金属元素的测定 王水提取-电感耦合等离子体质谱法 方法: HJ 803-2016

砷	LB2232931	mg/kg	0.6	<0.6	<0.6
砷	LB2232932	mg/kg	0.6	<0.6	<0.6
砷	LB2232933	mg/kg	0.6	<0.6	<0.6

土壤和沉积物 半挥发性有机物的测定 气相色谱-质谱法 方法: HJ 834-2017

2-氟苯酚	LB2232844	%	-	42	28-104
2-氟苯酚	LB2232845	%	-	42	28-104
苯酚-d6	LB2232844	%	-	61	50-70
苯酚-d6	LB2232845	%	-	62	50-70
硝基苯-d5	LB2232844	%	-	74	45-77
硝基苯-d5	LB2232845	%	-	70	45-77
2-氟联苯	LB2232844	%	-	71	52-88
2-氟联苯	LB2232845	%	-	71	52-88
对-三联苯-d14	LB2232844	%	-	77	33-137
对-三联苯-d14	LB2232845	%	-	78	33-137
2-氯苯酚	LB2232844	mg/kg	0.06	<0.06	<0.06



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
土壤和沉积物 半挥发性有机物的测定 气相色谱—质谱法 方法：HJ 834-2017(继续)					
2-氯苯酚	LB2232845	mg/kg	0.06	<0.06	<0.06
苯并(a)蒽	LB2232844	mg/kg	0.1	<0.1	<0.1
苯并(a)蒽	LB2232845	mg/kg	0.1	<0.1	<0.1
屈	LB2232844	mg/kg	0.1	<0.1	<0.1
屈	LB2232845	mg/kg	0.1	<0.1	<0.1
苯并(b)荧蒽	LB2232844	mg/kg	0.2	<0.2	<0.2
苯并(b)荧蒽	LB2232845	mg/kg	0.2	<0.2	<0.2
苯并(k)荧蒽	LB2232844	mg/kg	0.1	<0.1	<0.1
苯并(k)荧蒽	LB2232845	mg/kg	0.1	<0.1	<0.1
苯并(a)芘	LB2232844	mg/kg	0.1	<0.1	<0.1
苯并(a)芘	LB2232845	mg/kg	0.1	<0.1	<0.1
茚并(1,2,3-cd)芘	LB2232844	mg/kg	0.1	<0.1	<0.1
茚并(1,2,3-cd)芘	LB2232845	mg/kg	0.1	<0.1	<0.1
二苯并(a,h)蒽	LB2232844	mg/kg	0.1	<0.1	<0.1
二苯并(a,h)蒽	LB2232845	mg/kg	0.1	<0.1	<0.1
硝基苯	LB2232844	mg/kg	0.09	<0.09	<0.09
硝基苯	LB2232845	mg/kg	0.09	<0.09	<0.09
苯胺	LB2232844	mg/kg	0.1	<0.1	<0.1
苯胺	LB2232845	mg/kg	0.1	<0.1	<0.1
土壤 总氟化物的测定 离子选择电极法 方法：HJ 873-2017					
总氟化物(以F计)	LB2232454	mg/kg	63	<63	<63
总氟化物(以F计)	LB2232457	mg/kg	63	<63	<63
总氟化物(以F计)	LB2232470	mg/kg	63	<63	<63
土壤和沉积物 总汞的测定 催化热解-冷原子吸收分光光度法 方法：HJ 923-2017					
汞	LB2232073	μg/kg	0.2	<0.2	<0.2
汞	LB2232074	μg/kg	0.2	<0.2	<0.2
二苯砷二胍分光光度法测定地下水水质中的六价铬含量 方法：DZ/T 0064.17-2021					
六价铬	LB2231261	mg/L	0.004	<0.004	<0.004
水质 高锰酸盐指数的测定 方法：GB/T 11892-1989					
高锰酸盐指数	LB2232404	O ₂ , mg/L	0.5	<0.5	<0.5
水质 17种苯胺类化合物的测定 液相色谱-三重四极杆质谱法 方法：HJ 1048-2019					
苯胺	LB2232190	μg/L	0.2	<0.2	<0.2
水质多环芳烃的测定 液液萃取和固相萃取高效液相色谱法 方法：HJ 478-2009					
十氟联苯	LB2232874	%	-	87	50-130
苯并(a)蒽	LB2232874	μg/L	0.007	<0.007	<0.007



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
水质 多环芳烃的测定 液液萃取和固相萃取高效液相色谱法 方法：HJ 478-2009(继续)					
屈	LB2232874	µg/L	0.008	<0.008	<0.008
苯并(a)芘	LB2232874	µg/L	0.004	<0.004	<0.004
苯并(b)荧蒽	LB2232874	µg/L	0.003	<0.003	<0.003
苯并(k)荧蒽	LB2232874	µg/L	0.004	<0.004	<0.004
茚并(1,2,3-cd)芘	LB2232874	µg/L	0.003	<0.003	<0.003
二苯并(a,h)蒽	LB2232874	µg/L	0.003	<0.003	<0.003

水质 氨氮的测定 纳氏试剂分光光度法 方法：HJ 535-2009

氨氮	LB2232364	mg/L	0.025	<0.025	<0.025
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水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012

甲苯-d8	LB2231968	%	-	95.4	70-130
4-溴氟苯	LB2231968	%	-	118	70-130
二溴一氟甲烷	LB2231968	%	-	118	70-130
苯	LB2231968	µg/L	1.4	<1.4	<1.4
甲苯	LB2231968	µg/L	1.4	<1.4	<1.4
乙苯	LB2231968	µg/L	0.8	<0.8	<0.8
苯乙炔	LB2231968	µg/L	0.6	<0.6	<0.6
邻-二甲苯	LB2231968	µg/L	1.4	<1.4	<1.4
间&对-二甲苯	LB2231968	µg/L	2.2	<2.2	<2.2
1,2-二氯丙烷	LB2231968	µg/L	1.2	<1.2	<1.2
氯甲烷	LB2231968	µg/L	1.5	<1.5	<1.5
氯乙烯	LB2231968	µg/L	1.5	<1.5	<1.5
1,1-二氯乙烯	LB2231968	µg/L	1.2	<1.2	<1.2
二氯甲烷	LB2231968	µg/L	1.0	<1.0	<1.0
反-1,2-二氯乙烯	LB2231968	µg/L	1.1	<1.1	<1.1
1,1-二氯乙烷	LB2231968	µg/L	1.2	<1.2	<1.2
顺-1,2-二氯乙烯	LB2231968	µg/L	1.2	<1.2	<1.2
1,1,1-三氯乙烯	LB2231968	µg/L	1.4	<1.4	<1.4
四氯化碳	LB2231968	µg/L	1.5	<1.5	<1.5
1,2-二氯乙烷	LB2231968	µg/L	1.4	<1.4	<1.4
三氯乙烯	LB2231968	µg/L	1.2	<1.2	<1.2
1,1,2-三氯乙烷	LB2231968	µg/L	1.5	<1.5	<1.5
四氯乙烷	LB2231968	µg/L	1.2	<1.2	<1.2
1,1,1,2-四氯乙烷	LB2231968	µg/L	1.5	<1.5	<1.5



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012(继续)					
1,1,2,2-四氯乙烷	LB2231968	µg/L	1.1	<1.1	<1.1
1,2,3-三氯丙烷	LB2231968	µg/L	0.5	<0.5	<0.5
氯苯	LB2231968	µg/L	1.0	<1.0	<1.0
1,4-二氯苯	LB2231968	µg/L	0.8	<0.8	<0.8
1,2-二氯苯	LB2231968	µg/L	0.8	<0.8	<0.8
氯仿	LB2231968	µg/L	1.4	<1.4	<1.4
苯	LB2231968	µg/L	1.0	<1.0	<1.0
水质 汞、砷、硒、铋和锑的测定原子荧光法 方法：HJ 694-2014					
汞	LB2232191	µg/L	0.04	<0.04	<0.04
砷	LB2232191	µg/L	0.3	<0.3	<0.3
水质 65种元素的测定 电感耦合等离子体质谱法 方法：HJ 700-2014					
镉	LB2232348	µg/L	0.05	<0.05	<0.05
铜	LB2232348	µg/L	0.08	<0.08	<0.08
铅	LB2232348	µg/L	0.09	<0.09	<0.09
镍	LB2232348	µg/L	0.06	<0.06	<0.06
水质 硝基苯类化合物的测定 气相色谱-质谱法 方法：HJ 716-2014					
硝基苯-d5	LB2232970	%	-	71	70-110
硝基苯	LB2232970	µg/L	0.04	<0.04	<0.04
水质 酚类化合物的测定 气相色谱-质谱法 方法：HJ 744-2015					
2-氯苯酚	LB2232673	µg/L	0.1	<0.1	<0.1
水质 百草清及拟除虫菊酯类农药的测定 气相色谱-质谱法 方法：HJ 753-2015					
溴氰菊酯	LB2232971	µg/L	0.04	<0.04	<0.04
水质 可萃取性石油烃C10-C40的测定 气相色谱法 方法：HJ 894-2017					
石油烃 (C ₁₀ -C ₄₀)	LB2232879	mg/L	0.01	<0.01	<0.01
水质 阴离子的测定 离子色谱法 方法：HJ 84-2016					
氯化物	LB2232469	mg/L	0.007	<0.007	<0.007
氟化物	LB2232469	mg/L	0.006	<0.006	<0.006
亚硝酸盐氮 (N计)	LB2232469	mg/L	0.005	<0.005	<0.005
硝酸盐氮 (N计)	LB2232469	mg/L	0.0036	<0.0036	<0.0036
硫酸盐	LB2232469	mg/L	0.018	<0.018	<0.018

方法空白结果评价：本批次测试的方法空白均低于检出限，符合实验室质量控制要求。



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实验室控制样品 (LCS)

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土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法 方法：HJ 1021-2019

石油烃 (C ₁₀ -C ₄₀)	LB2232257	mg/kg	6	41	38.75	106	70%	120%
石油烃 (C ₁₀ -C ₄₀)	LB2232258	mg/kg	6	37	38.75	95.4	70%	120%

土壤和沉积物 有机磷类和拟除虫菊酯类等47种农药的测定 气相色谱-质谱法 方法：HJ 1023-2019

溴氰菊酯	LB2234657	mg/kg	0.8	0.9	1	95.0	55%	140%
溴氰菊酯	LB2234658	mg/kg	0.8	0.9	1	92.6	55%	140%
氟虫腈	LB2234657	mg/kg	0.3	0.9	1	90.4	55%	140%
氟虫腈	LB2234658	mg/kg	0.3	0.9	1	90.9	55%	140%

土壤和沉积物 六价铬的测定 碱溶液提取-火焰原子吸收分光光度法 方法：HJ 1082-2019

六价铬	LB2232579	mg/kg	0.5	11.9	12	99.5	80%	120%
六价铬	LB2232581	mg/kg	0.5	11.9	12	99.2	80%	120%

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011

甲苯-d8	LB2231828	%	-	100	100	99.6	70	130
甲苯-d8	LB2231829	%	-	101	100	101	70	130
4-溴氟苯	LB2231828	%	-	110	100	110	70	130
4-溴氟苯	LB2231829	%	-	97	100	96.7	70	130
二溴-氟甲烷	LB2231828	%	-	114	100	114	70	130
二溴-氟甲烷	LB2231829	%	-	118	100	118	70	130
苯	LB2231828	mg/kg	0.05	0.98	1	97.7	70%	130%
苯	LB2231829	mg/kg	0.05	0.92	1	92.1	70%	130%
甲苯	LB2231828	mg/kg	0.05	0.91	1	91.3	70%	130%
甲苯	LB2231829	mg/kg	0.05	0.91	1	90.8	70%	130%
乙苯	LB2231828	mg/kg	0.05	0.94	1	94.0	70%	130%
乙苯	LB2231829	mg/kg	0.05	0.93	1	93.4	70%	130%
间&对-二甲苯	LB2231828	mg/kg	0.05	1.94	2	96.8	70%	130%
间&对-二甲苯	LB2231829	mg/kg	0.05	1.89	2	94.4	70%	130%
苯乙烯	LB2231828	mg/kg	0.05	0.93	1	92.7	70%	130%
苯乙烯	LB2231829	mg/kg	0.05	0.93	1	92.9	70%	130%
邻-二甲苯	LB2231828	mg/kg	0.05	0.92	1	91.6	70%	130%
邻-二甲苯	LB2231829	mg/kg	0.05	0.90	1	90.5	70%	130%
1,2-二氯丙烷	LB2231828	mg/kg	0.05	1.01	1	101	70%	130%
1,2-二氯丙烷	LB2231829	mg/kg	0.05	0.91	1	91.2	70%	130%
氯甲烷	LB2231828	mg/kg	0.5	4.8	5	95.5	70%	130%
氯甲烷	LB2231829	mg/kg	0.5	5.8	5	116	70%	130%



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土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

氯乙烯	LB2231828	mg/kg	0.04	5.12	5	102	70%	130%
氯乙烯	LB2231829	mg/kg	0.04	5.07	5	101	70%	130%
1,1-二氯乙烯	LB2231828	mg/kg	0.5	1.0	1	104	70%	130%
1,1-二氯乙烯	LB2231829	mg/kg	0.5	1.2	1	120	70%	130%
二氯甲烷	LB2231828	mg/kg	0.5	1.0	1	98.3	70%	130%
二氯甲烷	LB2231829	mg/kg	0.5	1.0	1	105	70%	130%
反-1,2-二氯乙烯	LB2231828	mg/kg	0.05	0.78	1	78.5	70%	130%
反-1,2-二氯乙烯	LB2231829	mg/kg	0.05	0.88	1	88.3	70%	130%
1,1-二氯乙烷	LB2231828	mg/kg	0.05	1.09	1	109	70%	130%
1,1-二氯乙烷	LB2231829	mg/kg	0.05	1.11	1	111	70%	130%
顺-1,2-二氯乙烯	LB2231828	mg/kg	0.05	1.01	1	101	70%	130%
顺-1,2-二氯乙烯	LB2231829	mg/kg	0.05	0.97	1	96.8	70%	130%
1,1,1-三氯乙烷	LB2231828	mg/kg	0.05	1.02	1	102	70%	130%
1,1,1-三氯乙烷	LB2231829	mg/kg	0.05	1.09	1	109	70%	130%
四氯化碳	LB2231828	mg/kg	0.05	0.96	1	95.6	70%	130%
四氯化碳	LB2231829	mg/kg	0.05	1.01	1	101	70%	130%
1,2-二氯乙烷	LB2231828	mg/kg	0.05	1.16	1	116	70%	130%
1,2-二氯乙烷	LB2231829	mg/kg	0.05	1.12	1	112	70%	130%
三氯乙烯	LB2231828	mg/kg	0.05	0.97	1	97.0	70%	130%
三氯乙烯	LB2231829	mg/kg	0.05	0.98	1	98.0	70%	130%
1,1,2-三氯乙烷	LB2231828	mg/kg	0.05	1.00	1	99.5	70%	130%
1,1,2-三氯乙烷	LB2231829	mg/kg	0.05	0.98	1	98.2	70%	130%
四氯乙烯	LB2231828	mg/kg	0.05	0.91	1	91.3	70%	130%
四氯乙烯	LB2231829	mg/kg	0.05	1.02	1	102	70%	130%
1,1,1,2-四氯乙烷	LB2231828	mg/kg	0.05	0.92	1	92.5	70%	130%
1,1,1,2-四氯乙烷	LB2231829	mg/kg	0.05	0.98	1	98.2	70%	130%
1,1,2,2-四氯乙烷	LB2231828	mg/kg	0.05	0.90	1	89.7	70%	130%
1,1,2,2-四氯乙烷	LB2231829	mg/kg	0.05	0.80	1	80.2	70%	130%
1,2,3-三氯丙烷	LB2231828	mg/kg	0.02	1.18	1	118	70%	130%
1,2,3-三氯丙烷	LB2231829	mg/kg	0.02	1.00	1	100	70%	130%
氯苯	LB2231828	mg/kg	0.05	0.95	1	94.9	70%	130%
氯苯	LB2231829	mg/kg	0.05	0.93	1	93.3	70%	130%
1,4-二氯苯	LB2231828	mg/kg	0.05	1.05	1	105	70%	130%



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土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

1,4-二氯苯	LB2231829	mg/kg	0.05	0.97	1	96.9	70%	130%
1,2-二氯苯	LB2231828	mg/kg	0.05	1.27	1	127	70%	130%
1,2-二氯苯	LB2231829	mg/kg	0.05	1.18	1	118	70%	130%
氯仿	LB2231828	mg/kg	0.05	1.15	1	115	70%	130%
氯仿	LB2231829	mg/kg	0.05	1.14	1	114	70%	130%
萘	LB2231828	mg/kg	0.05	1.27	1	127	70%	130%
萘	LB2231829	mg/kg	0.05	1.14	1	114	70%	130%

土壤和沉积物 12种金属元素的测定 王水提取-电感耦合等离子体质谱法 方法：HJ 803-2016

砷	LB2232931	mg/kg	0.6	10.1	10	101	80%	120%
砷	LB2232932	mg/kg	0.6	10.2	10	102	80%	120%
砷	LB2232933	mg/kg	0.6	10.4	10	104	80%	120%

土壤和沉积物 半挥发性有机物的测定 气相色谱—质谱法 方法：HJ 834-2017

2-氟苯酚	LB2232844	%	-	58	100	57.6	28	104
2-氟苯酚	LB2232845	%	-	56	100	55.8	28	104
苯酚-d6	LB2232844	%	-	64	100	63.9	50	70
苯酚-d6	LB2232845	%	-	62	100	62.1	50	70
硝基苯-d5	LB2232844	%	-	65	100	65.1	45	77
硝基苯-d5	LB2232845	%	-	62	100	61.8	45	77
2-氟联苯	LB2232844	%	-	86	100	85.8	52	88
2-氟联苯	LB2232845	%	-	86	100	85.8	52	88
对-三联苯-d14	LB2232844	%	-	91	100	91.2	33	137
对-三联苯-d14	LB2232845	%	-	92	100	92.1	33	137
2-氯苯酚	LB2232844	mg/kg	0.06	0.43	0.5	86.2	40%	140%
2-氯苯酚	LB2232845	mg/kg	0.06	0.42	0.5	83.6	40%	140%
苯并(a)蒽	LB2232844	mg/kg	0.1	0.4	0.5	79.5	70%	130%
苯并(a)蒽	LB2232845	mg/kg	0.1	0.4	0.5	78.0	70%	130%
屈	LB2232844	mg/kg	0.1	0.4	0.5	83.1	70%	130%
屈	LB2232845	mg/kg	0.1	0.4	0.5	84.2	70%	130%
苯并(b)荧蒽	LB2232844	mg/kg	0.2	0.4	0.5	85.0	70%	130%
苯并(b)荧蒽	LB2232845	mg/kg	0.2	0.4	0.5	79.2	70%	130%
苯并(k)荧蒽	LB2232844	mg/kg	0.1	0.4	0.5	81.9	70%	130%
苯并(k)荧蒽	LB2232845	mg/kg	0.1	0.4	0.5	83.0	70%	130%
苯并(a)芘	LB2232844	mg/kg	0.1	0.4	0.5	86.4	70%	130%



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土壤和沉积物 半挥发性有机物的测定 气相色谱—质谱法 方法：HJ 834-2017(继续)

苯并(a)芘	LB2232845	mg/kg	0.1	0.4	0.5	86.4	70%	130%
茚并(1,2,3-cd)芘	LB2232844	mg/kg	0.1	0.4	0.5	82.2	70%	130%
茚并(1,2,3-cd)芘	LB2232845	mg/kg	0.1	0.4	0.5	79.2	70%	130%
二苯并(a,h)蒽	LB2232844	mg/kg	0.1	0.4	0.5	86.1	70%	130%
二苯并(a,h)蒽	LB2232845	mg/kg	0.1	0.4	0.5	86.1	70%	130%
硝基苯	LB2232844	mg/kg	0.09	0.42	0.5	84.3	40%	140%
硝基苯	LB2232845	mg/kg	0.09	0.41	0.5	81.4	40%	140%
苯胺	LB2232844	mg/kg	0.1	0.2	0.5	38.7	30%	70%
苯胺	LB2232845	mg/kg	0.1	0.2	0.5	38.2	30%	70%

水质 17种苯胺类化合物的测定 液相色谱—三重四级杆质谱法 方法：HJ 1048-2019

苯胺	LB2232190	µg/L	0.2	9.8	10	98.0	70%	120%
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水质 多环芳烃的测定 液液萃取和固相萃取高效液相色谱法 方法：HJ 478-2009

十氟联苯	LB2232874	%	-	80	100	80.3	50	130
苯并(a)蒽	LB2232874	µg/L	0.007	0.082	0.1	82.0	60%	120%
屈	LB2232874	µg/L	0.008	0.086	0.1	86.5	60%	120%
苯并(a)芘	LB2232874	µg/L	0.004	0.080	0.1	80.4	60%	120%
苯并(b)荧蒽	LB2232874	µg/L	0.003	0.085	0.1	85.1	60%	120%
苯并(k)荧蒽	LB2232874	µg/L	0.004	0.085	0.1	85.0	60%	120%
茚并(1,2,3-cd)芘	LB2232874	µg/L	0.003	0.073	0.1	73.2	60%	120%
二苯并(a,h)蒽	LB2232874	µg/L	0.003	0.084	0.1	84.0	60%	120%

水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012

甲苯-d8	LB2231968	%	-	101	100	101	70	130
4-溴氟苯	LB2231968	%	-	107	100	107	70	130
二溴一氟甲烷	LB2231968	%	-	101	100	101	70	130
苯	LB2231968	µg/L	1.4	21.9	20	110	80%	120%
甲苯	LB2231968	µg/L	1.4	23.5	20	118	80%	120%
乙苯	LB2231968	µg/L	0.8	23.2	20	116	80%	120%
苯乙烯	LB2231968	µg/L	0.6	20.8	20	104	80%	120%
邻二甲苯	LB2231968	µg/L	1.4	21.2	20	106	80%	120%
间&对二甲苯	LB2231968	µg/L	2.2	45.2	40	113	80%	120%
1,2-二氯丙烷	LB2231968	µg/L	1.2	23.3	20	117	80%	120%
氯甲烷	LB2231968	µg/L	1.5	20.9	20	105	80%	120%
氯乙烯	LB2231968	µg/L	1.5	20.5	20	102	80%	120%



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实验室控制样品 (LCS)

实验室控制样品回收率%=测定值*100/参考值。

参数	QC批号	单位	检出限	测定值	参考值	回收率%	控制范围	
							下限	上限

水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012(继续)

1,1-二氯乙烯	LB2231968	µg/L	1.2	17.3	20	86.6	80%	120%
二氯甲烷	LB2231968	µg/L	1.0	16.3	20	81.6	80%	120%
反-1,2-二氯乙烯	LB2231968	µg/L	1.1	16.3	20	81.7	80%	120%
1,1-二氯乙烷	LB2231968	µg/L	1.2	18.8	20	94.2	80%	120%
顺-1,2-二氯乙烯	LB2231968	µg/L	1.2	18.4	20	91.8	80%	120%
1,1,1-三氯乙烷	LB2231968	µg/L	1.4	22.0	20	110	80%	120%
四氯化碳	LB2231968	µg/L	1.5	22.3	20	112	80%	120%
1,2-二氯乙烷	LB2231968	µg/L	1.4	23.5	20	118	80%	120%
三氯乙烯	LB2231968	µg/L	1.2	22.8	20	114	80%	120%
1,1,2-三氯乙烷	LB2231968	µg/L	1.5	23.4	20	117	80%	120%
四氯乙烯	LB2231968	µg/L	1.2	21.7	20	109	80%	120%
1,1,1,2-四氯乙烷	LB2231968	µg/L	1.5	20.6	20	103	80%	120%
1,1,2,2-四氯乙烷	LB2231968	µg/L	1.1	20.1	20	101	80%	120%
1,2,3-三氯丙烷	LB2231968	µg/L	0.5	22.6	20	113	80%	120%
氯苯	LB2231968	µg/L	1.0	23.6	20	118	80%	120%
1,4-二氯苯	LB2231968	µg/L	0.8	22.9	20	115	80%	120%
1,2-二氯苯	LB2231968	µg/L	0.8	22.9	20	114	80%	120%
氯仿	LB2231968	µg/L	1.4	19.8	20	99.2	80%	120%
苯	LB2231968	µg/L	1.0	23.4	20	117	80%	120%

水质 65种元素的测定 电感耦合等离子体质谱法 方法：HJ 700-2014

镉	LB2232348	µg/L	0.05	19.9	20	99.6	80%	120%
铜	LB2232348	µg/L	0.08	19.9	20	99.6	80%	120%
铅	LB2232348	µg/L	0.09	20.3	20	102	80%	120%
镍	LB2232348	µg/L	0.06	20.3	20	101	80%	120%

水质 硝基苯类化合物的测定 气相色谱-质谱法 方法：HJ 716-2014

硝基苯-d5	LB2232970	%	-	79	100	78.8	70	110
硝基苯	LB2232970	µg/L	0.04	0.78	1	78.3	70%	110%

水质 酚类化合物的测定 气相色谱-质谱法 方法：HJ 744-2015

2-氯苯酚	LB2232673	µg/L	0.1	0.7	1	72.1	60%	130%
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水质 百菌清及拟除虫菊酯类农药的测定 气相色谱-质谱法 方法：HJ 753-2015

溴氰菊酯	LB2232971	µg/L	0.04	0.71	1	71.2	70%	120%
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水质 可萃取性石油烃C10-C40的测定 气相色谱法 方法：HJ 894-2017

石油烃 (C ₁₀ -C ₄₀)	LB2232879	mg/L	0.01	0.33	0.31	107	70%	120%
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水质 阴离子的测定 离子色谱法 方法：HJ 84-2016



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实验室控制样品 (LCS)

实验室控制样品回收率%=测定值*100/参考值。

参数	QC批号	单位	检出限	测定值	参考值	回收率%	控制范围	
							下限	上限
水质 阴离子的测定 离子色谱法 方法：HJ 84-2016(继续)								
氯化物	LB2232469	mg/L	0.007	0.971	1	97.1	80%	120%
氟化物	LB2232469	mg/L	0.006	0.944	1	94.4	80%	120%
亚硝酸盐氮（N计）	LB2232469	mg/L	0.005	0.300	0.304	98.8	80%	120%
硝酸盐氮（N计）	LB2232469	mg/L	0.0036	0.222	0.226	98.1	80%	120%
硫酸盐	LB2232469	mg/L	0.018	0.991	1	99.1	80%	120%

实验室控制样品回收率评价: 本批次测试的实验室控制样品回收率结果均在控制范围内, 符合实验室质量控制要求。

有证物质 (CRM)

参数	QC批号	单位	检出限	测定值	证书编号	标准值	控制范围	
							下限	上限
土壤质量 铅、镉的测定 石墨炉原子吸收分光光度法&HJ832-2017 土壤和沉积物 金属元素总量的消解 微波消解法 方法：GB/T 17141-1997								
铅	LB2232635	mg/kg	0.1	28	GBW07452	28	27	29
铅	LB2232636	mg/kg	0.1	27	GBW07452	28	27	29
镉	LB2232635	mg/kg	0.01	0.16	GBW07452	0.15	0.13	0.17
镉	LB2232636	mg/kg	0.01	0.16	GBW07452	0.15	0.13	0.17
土壤和沉积物 铜、锌、铅、镍、铬的测定 火焰原子吸收分光光度法 方法：HJ 491-2019								
铜	LB2232641	mg/kg	1	30.6	GBW07452	32	27.2	36.8
铜	LB2232642	mg/kg	1	30.3	GBW07452	32	27.2	36.8
镍	LB2232641	mg/kg	3	35.9	GBW07452	38	32.3	43.7
镍	LB2232642	mg/kg	3	38.1	GBW07452	38	32.3	43.7
土壤 总氟化物的测定 离子选择电极法 方法：HJ 873-2017								
总氟化物(以F计)	LB2232454	mg/kg	63	546	GBW07454 (GSS-25)	561	518	604
总氟化物(以F计)	LB2232457	mg/kg	63	525	GBW07454 (GSS-25)	561	518	604
总氟化物(以F计)	LB2232470	mg/kg	63	550	GBW07454 (GSS-25)	561	518	604
土壤和沉积物 总汞的测定 催化热解-冷原子吸收分光光度法 方法：HJ 923-2017								
汞	LB2232073	μg/kg	0.2	58	GBW07452	58	53	63
汞	LB2232074	μg/kg	0.2	58	GBW07452	58	53	63
水质 高锰酸盐指数的测定 方法：GB/T 11892-1989								
高锰酸盐指数	LB2232404	O ₂ , mg/L	0.5	2.41	GSB 07-3162-2014	2.48	2.27	2.69
水质 氨氮的测定 纳氏试剂分光光度法 方法：HJ 535-2009								



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有证物质 (CRM)

参数	QC批号	单位	检出限	测定值	证书编号	标准值	控制范围	
							下限	上限

水质 氨氮的测定 纳氏试剂分光光度法 方法: HJ 535-2009(继续)

氨氮	LB2232364	mg/L	0.025	4.99	GSB 07-3164-2014	5.23	4.98	5.48
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水质 汞、砷、硒、铋和锑的测定原子荧光法 方法: HJ 694-2014

汞	LB2232191	μg/L	0.04	3.50	GSB 07-3173-2014	3.73	3.19	4.27
砷	LB2232191	μg/L	0.3	60.4	GSB 07-3171-2014	57.3	52.8	61.8

实验室有证物质结果评价: 本批次测试的有证物质结果均在控制范围内, 符合实验室质量控制要求。

实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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土壤质量 铅、镉的测定 石墨炉原子吸收分光光度法&HJ832-2017 土壤和沉积物 金属元素总量的消解 微波消解法 方法: GB/T 17141-1997

铅	SHE22-04500.009	mg/kg	0.1	15.5	17.7	6.7	≤20	-
铅	SHE22-04500.029	mg/kg	0.1	16.3	16.6	1.0	≤20	-
镉	SHE22-04500.009	mg/kg	0.01	0.07	0.09	8.4	≤20	-
镉	SHE22-04500.029	mg/kg	0.01	0.07	0.07	3.5	≤20	-

土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法 方法: HJ 1021-2019

石油烃 (C ₁₀ -C ₄₀)	SHE22-04500.009	mg/kg	6	23	31	15.0	≤25	-
石油烃 (C ₁₀ -C ₄₀)	SHE22-04500.029	mg/kg	6	6	8	14.7	≤25	-

土壤和沉积物 有机磷类和拟除虫菊酯类等47种农药的测定 气相色谱-质谱法 方法: HJ 1023-2019

溴氰菊酯	SHE22-04500.009	mg/kg	0.8	<0.8	<0.8	0.0	≤30	-
溴氰菊酯	SHE22-04500.029	mg/kg	0.8	<0.8	<0.8	0.0	≤30	-
氟虫腈	SHE22-04500.009	mg/kg	0.3	3.6	3.0	9.8	≤30	-
氟虫腈	SHE22-04500.029	mg/kg	0.3	<0.3	<0.3	0.0	≤30	-

土壤和沉积物 六价铬的测定 碱溶液提取-火焰原子吸收分光光度法 方法: HJ 1082-2019

六价铬	SHE22-04500.009	mg/kg	0.5	<0.5	<0.5	0.0	≤20	-
六价铬	SHE22-04500.029	mg/kg	0.5	<0.5	<0.5	0.0	≤20	-

土壤和沉积物 铜、锌、铅、镉、铬的测定 火焰原子吸收分光光度法 方法: HJ 491-2019

铜	SHE22-04500.009	mg/kg	1	9	10	7.6	≤20	-
铜	SHE22-04500.029	mg/kg	1	9	9	1.0	≤20	-
镉	SHE22-04500.009	mg/kg	3	20	21	1.1	≤20	-
镉	SHE22-04500.029	mg/kg	3	21	22	2.4	≤20	-

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法: HJ 605-2011



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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

甲苯-d8	SHE22-04500.017	%	-			-	-	70-130
甲苯-d8	SHE22-04500.011	%	-			-	-	70-130
4-溴氟苯	SHE22-04500.017	%	-			-	-	70-130
4-溴氟苯	SHE22-04500.011	%	-			-	-	70-130
二溴一氟甲烷	SHE22-04500.017	%	-			-	-	70-130
二溴一氟甲烷	SHE22-04500.011	%	-			-	-	70-130
苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
甲苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
甲苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
乙苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
乙苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
间&对-二甲苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
间&对-二甲苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
苯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
苯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
邻-二甲苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
邻-二甲苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,2-二氯丙烷	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,2-二氯丙烷	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
氯甲烷	SHE22-04500.017	mg/kg	0.5			0.0	≤25	-
氯甲烷	SHE22-04500.011	mg/kg	0.5			0.0	≤25	-
氯乙烯	SHE22-04500.017	mg/kg	0.04			0.0	≤25	-
氯乙烯	SHE22-04500.011	mg/kg	0.04			0.0	≤25	-
1,1-二氯乙烯	SHE22-04500.017	mg/kg	0.5			0.0	≤25	-
1,1-二氯乙烯	SHE22-04500.011	mg/kg	0.5			0.0	≤25	-
二氯甲烷	SHE22-04500.017	mg/kg	0.5			0.0	≤25	-
二氯甲烷	SHE22-04500.011	mg/kg	0.5			0.0	≤25	-
反-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
反-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,1-二氯乙烷	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,1-二氯乙烷	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
顺-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-



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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

顺-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,1,1-三氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,1,1-三氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
四氯化碳	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
四氯化碳	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
三氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
三氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,1,2-三氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,1,2-三氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
四氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
四氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,1,1,2-四氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,1,1,2-四氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,1,2,2-四氯乙烯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,1,2,2-四氯乙烯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,2,3-三氯丙烷	SHE22-04500.017	mg/kg	0.02			0.0	≤25	-
1,2,3-三氯丙烷	SHE22-04500.011	mg/kg	0.02			0.0	≤25	-
氯苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
氯苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,4-二氯苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,4-二氯苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
1,2-二氯苯	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
1,2-二氯苯	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
氯仿	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
氯仿	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-
萘	SHE22-04500.017	mg/kg	0.05			0.0	≤25	-
萘	SHE22-04500.011	mg/kg	0.05			0.0	≤25	-

土壤和沉积物 12种金属元素的测定 王水提取-电感耦合等离子体质谱法 方法：HJ 803-2016

砷	SHE22-04500.009	mg/kg	0.6	4.0	3.8	3.5	≤30	-
砷	SHE22-04500.019	mg/kg	0.6	4.7	4.5	2.0	≤30	-
砷	SHE22-04500.029	mg/kg	0.6	5.5	5.3	1.7	≤30	-



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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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土壤和沉积物 半挥发性有机物的测定 气相色谱—质谱法 方法：HJ 834-2017

2-氟苯酚	SHE22-04500.009	%	-	46	47	-	-	28-104
2-氟苯酚	SHE22-04500.029	%	-	63	55	-	-	28-104
苯酚-d6	SHE22-04500.009	%	-	56	56	-	-	50-70
苯酚-d6	SHE22-04500.029	%	-	66	63	-	-	50-70
硝基苯-d5	SHE22-04500.009	%	-	59	59	-	-	45-77
硝基苯-d5	SHE22-04500.029	%	-	72	62	-	-	45-77
2-氟联苯	SHE22-04500.009	%	-	58	72	-	-	52-88
2-氟联苯	SHE22-04500.029	%	-	80	69	-	-	52-88
对-三联苯-d14	SHE22-04500.009	%	-	68	67	-	-	33-137
对-三联苯-d14	SHE22-04500.029	%	-	80	68	-	-	33-137
2-氯苯酚	SHE22-04500.009	mg/kg	0.06	<0.06	<0.06	0.0	≤40	-
2-氯苯酚	SHE22-04500.029	mg/kg	0.06	<0.06	<0.06	0.0	≤40	-
苯并(a)蒽	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯并(a)蒽	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
屈	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
屈	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯并(b)荧蒽	SHE22-04500.009	mg/kg	0.2	<0.2	<0.2	0.0	≤40	-
苯并(b)荧蒽	SHE22-04500.029	mg/kg	0.2	<0.2	<0.2	0.0	≤40	-
苯并(k)荧蒽	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯并(k)荧蒽	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯并(a)芘	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯并(a)芘	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
茚并(1,2,3-cd)芘	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
茚并(1,2,3-cd)芘	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
二苯并(a,h)蒽	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
二苯并(a,h)蒽	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
硝基苯	SHE22-04500.009	mg/kg	0.09	<0.09	<0.09	0.0	≤40	-
硝基苯	SHE22-04500.029	mg/kg	0.09	<0.09	<0.09	0.0	≤40	-
苯胺	SHE22-04500.009	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-
苯胺	SHE22-04500.029	mg/kg	0.1	<0.1	<0.1	0.0	≤40	-

土壤 总氟化物的测定 离子选择电极法 方法：HJ 873-2017

总氟化物(以F计)	SHE22-04500.018	mg/kg	63	419	419	0.0	≤20	-
总氟化物(以F计)	SHE22-04500.028	mg/kg	63	329	346	2.5	≤20	-



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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
土壤 总氟化物的测定 离子选择电极法 方法：HJ 873-2017(继续)								
总氟化物(以F计)	SHE22-04500.029	mg/kg	63	367	360	1.0	≤20	-
土壤和沉积物 总汞的测定 催化热解-冷原子吸收分光光度法 方法：HJ 923-2017								
汞	SHE22-04500.009	μg/kg	0.2	24.9	21.0	8.7	≤25	-
汞	SHE22-04500.029	μg/kg	0.2	28.2	26.8	2.5	≤25	-
二苯砷二胍分光光度法测定地下水中的六价铬含量 方法：DZ/T 0064.17-2021								
六价铬	SHE22-04500.008	mg/L	0.004	<0.004	<0.004	0.0	≤10	-
水质 高锰酸盐指数的测定 方法：GB/T 11892-1989								
高锰酸盐指数	SHE22-04500.005	O ₂ , mg/L	0.5	1.8	1.8	1.1	≤10	-
水质 17种苯胺类化合物的测定 液相色谱-三重四级杆质谱法 方法：HJ 1048-2019								
苯胺	SHE22-35405.001	μg/L	0.2	<0.2	<0.2	0.0	≤25	-
水质 多环芳烃的测定 液液萃取和固相萃取高效液相色谱法 方法：HJ 478-2009								
十氟联苯	SHE22-04500.005	%	-	85	89	-	-	50-130
苯并(a)蒽	SHE22-04500.005	μg/L	0.007	<0.007	<0.007	0.0	≤20	-
屈	SHE22-04500.005	μg/L	0.008	<0.008	<0.008	0.0	≤20	-
苯并(a)芘	SHE22-04500.005	μg/L	0.004	<0.004	<0.004	0.0	≤20	-
苯并(b)荧蒹	SHE22-04500.005	μg/L	0.003	<0.003	<0.003	0.0	≤20	-
苯并(k)荧蒹	SHE22-04500.005	μg/L	0.004	<0.004	<0.004	0.0	≤20	-
茚并(1,2,3-cd)芘	SHE22-04500.005	μg/L	0.003	<0.003	<0.003	0.0	≤20	-
二苯并(a,h)蒽	SHE22-04500.005	μg/L	0.003	<0.003	<0.003	0.0	≤20	-
水质 氨氮的测定 纳氏试剂分光光度法 方法：HJ 535-2009								
氨氮	SHE22-04500.001	mg/L	0.025	0.481	0.481	0.0	≤10	-
水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012								
甲苯-d8	QCO22-01181.001	%	-	95.3	95.1	-	-	70-130
4-溴氟苯	QCO22-01181.001	%	-	108	115	-	-	70-130
二溴一氟甲烷	QCO22-01181.001	%	-	126	125	-	-	70-130
苯	QCO22-01181.001	μg/L	1.4	<1.4	<1.4	0.0	≤30	-
甲苯	QCO22-01181.001	μg/L	1.4	<1.4	<1.4	0.0	≤30	-
乙苯	QCO22-01181.001	μg/L	0.8	<0.8	<0.8	0.0	≤30	-
苯乙烯	QCO22-01181.001	μg/L	0.6	<0.6	<0.6	0.0	≤30	-
邻-二甲苯	QCO22-01181.001	μg/L	1.4	<1.4	<1.4	0.0	≤30	-
间&对-二甲苯	QCO22-01181.001	μg/L	2.2	<2.2	<2.2	0.0	≤30	-
1,2-二氯丙烷	QCO22-01181.001	μg/L	1.2	<1.2	<1.2	0.0	≤30	-
氯甲烷	QCO22-01181.001	μg/L	1.5	<1.5	<1.5	0.0	≤30	-
氯乙烷	QCO22-01181.001	μg/L	1.5	<1.5	<1.5	0.0	≤30	-



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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012(继续)

1,1-二氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	<1.2	0.0	≤30	-
二氯甲烷	QCO22-01181.001	µg/L	1.0	<1	<1	0.0	≤30	-
反-1,2-二氯乙烯	QCO22-01181.001	µg/L	1.1	<1.1	<1.1	0.0	≤30	-
1,1-二氯乙烷	QCO22-01181.001	µg/L	1.2	<1.2	<1.2	0.0	≤30	-
顺-1,2-二氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	<1.2	0.0	≤30	-
1,1,1-三氯乙烷	QCO22-01181.001	µg/L	1.4	<1.4	<1.4	0.0	≤30	-
四氯化碳	QCO22-01181.001	µg/L	1.5	<1.5	<1.5	0.0	≤30	-
1,2-二氯乙烷	QCO22-01181.001	µg/L	1.4	<1.4	<1.4	0.0	≤30	-
三氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	<1.2	0.0	≤30	-
1,1,2-三氯乙烷	QCO22-01181.001	µg/L	1.5	<1.5	<1.5	0.0	≤30	-
四氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	<1.2	0.0	≤30	-
1,1,1,2-四氯乙烷	QCO22-01181.001	µg/L	1.5	<1.5	<1.5	0.0	≤30	-
1,1,2,2-四氯乙烷	QCO22-01181.001	µg/L	1.1	<1.1	<1.1	0.0	≤30	-
1,2,3-三氯丙烷	QCO22-01181.001	µg/L	0.5	<0.5	<0.5	0.0	≤30	-
氯苯	QCO22-01181.001	µg/L	1.0	<1	<1	0.0	≤30	-
1,4-二氯苯	QCO22-01181.001	µg/L	0.8	<0.8	<0.8	0.0	≤30	-
1,2-二氯苯	QCO22-01181.001	µg/L	0.8	<0.8	<0.8	0.0	≤30	-
氯仿	QCO22-01181.001	µg/L	1.4	<1.4	<1.4	0.0	≤30	-
苯	QCO22-01181.001	µg/L	1.0	<1	<1	0.0	≤30	-

水质 汞、砷、硒、铋和锑的测定原子荧光法 方法：HJ 694-2014

汞	SHE22-04500.001	µg/L	0.04	<0.04	<0.04	0.0	≤20	-
砷	SHE22-04500.001	µg/L	0.3	3.1	2.4	12.9	≤20	-

水质 65种元素的测定 电感耦合等离子体质谱法 方法：HJ 700-2014

镉	SHE22-04500.001	µg/L	0.05	<0.05	<0.05	0.0	≤20	-
铜	SHE22-04500.001	µg/L	0.08	1.62	1.59	0.9	≤20	-
铅	SHE22-04500.001	µg/L	0.09	<0.09	<0.09	0.0	≤20	-
镍	SHE22-04500.001	µg/L	0.06	0.31	0.29	3.3	≤20	-

水质 硝基苯类化合物的测定 气相色谱-质谱法 方法：HJ 716-2014

硝基苯-d5	SHE22-04500.005	%	-	70	75	-	-	70-110
硝基苯	SHE22-04500.005	µg/L	0.04	<0.04	<0.04	0.0	≤20	-

水质 酚类化合物的测定 气相色谱-质谱法 方法：HJ 744-2015

2-氯苯酚	SHE22-35406.001	µg/L	0.1	<0.1	<0.1	0.0	≤30	-
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水质 百菌清及拟除虫菊酯类农药的测定 气相色谱-质谱法 方法：HJ 753-2015

溴氰菊酯	SHE22-04500.005	µg/L	0.04	<0.04	<0.04	0.0	≤25	-
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实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
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水质 阴离子的测定 离子色谱法 方法：HJ 84-2016

氯化物	SHE22-04500.003	mg/L	0.007	57.1	57.2	0.1	≤10	-
氟化物	SHE22-04500.003	mg/L	0.006	40.4	40.4	0.0	≤10	-
亚硝酸盐氮 (N计)	SHE22-04500.003	mg/L	0.005	<0.05	<0.05	0.0	≤10	-
硝酸盐氮 (N计)	SHE22-04500.003	mg/L	0.0036	0.0650	0.0690	3.0	≤5	-
硫酸盐	SHE22-04500.003	mg/L	0.018	6.10	5.82	2.4	≤10	-

平行双样相对偏差结果评价：本批次测试的实验室平行样相对偏差均在控制范围内，符合实验室质量控制要求。

平行样的差值=|样品测定值-平行样测定值|

参数	样品号	单位	检出限	样品测定值	平行样测定值	差值	允许差值	替代物控制范围
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土壤 pH值的测定 电位法 方法：HJ 962-2018

pH	SHE22-04500.009	无量纲	-	8.24	8.42	0.18	≤0.3	-
pH	SHE22-04500.019	无量纲	-	9.58	9.59	0.01	≤0.3	-
pH	SHE22-04500.029	无量纲	-	8.85	8.87	0.02	≤0.3	-

平行样允许差值评价：本批次测试的实验室平行样差值在控制范围内，符合实验室质量控制要求。

基质加标(MS)

基质加标回收率%=(基质加标测定值-样品测定值) *100/基质加标量 (相关系数带入计算)。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围
								下限 上限

土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法 方法：HJ 1021-2019

石油烃 (C ₁₀ -C ₄₀)	SHE22-04500.009	mg/kg	6	27	62	38.75	90.4	50%	140%
石油烃 (C ₁₀ -C ₄₀)	SHE22-04500.029	mg/kg	6	7	36	38.75	73.7	50%	140%

土壤和沉积物 有机磷类和拟除虫菊酯类等47种农药的测定 气相色谱-质谱法 方法：HJ 1023-2019

溴氰菊酯	SHE22-04500.009	mg/kg	0.8	<0.8	1.0	1	98.0	55%	140%
溴氰菊酯	SHE22-04500.029	mg/kg	0.8	<0.8	1.0	1	95.6	55%	140%
氟虫腈	SHE22-04500.009	mg/kg	0.3	3.3	3.9	1	58.3	55%	140%
氟虫腈	SHE22-04500.029	mg/kg	0.3	<0.3	0.9	1	88.4	55%	140%

土壤和沉积物 六价格的测定 碱溶液提取-火焰原子吸收分光光度法 方法：HJ 1082-2019

六价格	SHE22-04500.009	mg/kg	0.5	<0.5	11.6	12	97.0	70%	130%
六价格	SHE22-04500.029	mg/kg	0.5	<0.5	12.2	12	102	70%	130%

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011

甲苯-d8	SHE22-04500.017	%	-		97	100	97.3	70	130
甲苯-d8	SHE22-04500.011	%	-		94	100	93.6	70	130



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基质加标(MS)

基质加标回收率% = (基质加标测定值 - 样品测定值) * 100 / 基质加标量 (相关系数带入计算)。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围
								下限 上限

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

4-溴氟苯	SHE22-04500.017	%	-		97	100	97.0	70	130
4-溴氟苯	SHE22-04500.011	%	-		89	100	89.3	70	130
二溴一氟甲烷	SHE22-04500.017	%	-		99	100	98.8	70	130
二溴一氟甲烷	SHE22-04500.011	%	-		96	100	96.5	70	130
苯	SHE22-04500.017	mg/kg	0.05		1.09	1	109	67%	123%
苯	SHE22-04500.011	mg/kg	0.05		0.92	1	91.8	67%	123%
甲苯	SHE22-04500.017	mg/kg	0.05		0.95	1	95.1	78%	118%
甲苯	SHE22-04500.011	mg/kg	0.05		0.83	1	82.6	78%	118%
乙苯	SHE22-04500.017	mg/kg	0.05		1.02	1	102	59%	123%
乙苯	SHE22-04500.011	mg/kg	0.05		0.92	1	91.8	59%	123%
间&对-二甲苯	SHE22-04500.017	mg/kg	0.05		2.08	2	104	54%	125%
间&对-二甲苯	SHE22-04500.011	mg/kg	0.05		1.98	2	99.0	54%	125%
苯乙烯	SHE22-04500.017	mg/kg	0.05		1.04	1	104	51%	126%
苯乙烯	SHE22-04500.011	mg/kg	0.05		0.96	1	96.5	51%	126%
邻-二甲苯	SHE22-04500.017	mg/kg	0.05		1.01	1	101	62%	122%
邻-二甲苯	SHE22-04500.011	mg/kg	0.05		0.91	1	90.6	62%	122%
1,2-二氯丙烷	SHE22-04500.011	mg/kg	0.05		0.90	1	89.9	75%	113%
二氯甲烷	SHE22-04500.017	mg/kg	0.5		1.2	1	123	70%	134%
二氯甲烷	SHE22-04500.011	mg/kg	0.5		1.1	1	114	70%	134%
反-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05		0.96	1	96.3	62%	134%
反-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05		0.88	1	88.1	62%	134%
1,1-二氯乙烯	SHE22-04500.017	mg/kg	0.05		1.22	1	122	66%	130%
1,1-二氯乙烯	SHE22-04500.011	mg/kg	0.05		1.12	1	112	66%	130%
顺-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05		1.08	1	108	75%	118%
顺-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05		0.97	1	96.7	75%	118%
1,1,1-三氯乙烯	SHE22-04500.017	mg/kg	0.05		1.17	1	117	63%	133%
1,1,1-三氯乙烯	SHE22-04500.011	mg/kg	0.05		1.08	1	108	63%	133%
四氯化碳	SHE22-04500.017	mg/kg	0.05		1.04	1	104	67%	126%
四氯化碳	SHE22-04500.011	mg/kg	0.05		1.01	1	101	67%	126%
三氯乙烯	SHE22-04500.017	mg/kg	0.05		1.06	1	106	72%	118%
三氯乙烯	SHE22-04500.011	mg/kg	0.05		0.99	1	98.9	72%	118%
1,1,2-三氯乙烯	SHE22-04500.017	mg/kg	0.05		1.03	1	103	56%	128%



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基质加标(MS)

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参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围
								下限 上限

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

1,1,2-三氯乙烷	SHE22-04500.011	mg/kg	0.05		0.92	1	91.5	56%	128%
四氯乙烯	SHE22-04500.017	mg/kg	0.05		0.98	1	97.5	81%	130%
四氯乙烯	SHE22-04500.011	mg/kg	0.05		0.95	1	95.0	81%	130%
1,1,1,2-四氯乙烯	SHE22-04500.017	mg/kg	0.05		0.90	1	90.4	78%	117%
1,1,1,2-四氯乙烯	SHE22-04500.011	mg/kg	0.05		0.93	1	92.7	78%	117%
1,1,2,2-四氯乙烯	SHE22-04500.017	mg/kg	0.05		0.92	1	91.7	61%	123%
1,1,2,2-四氯乙烯	SHE22-04500.011	mg/kg	0.05		0.82	1	81.9	61%	123%
1,2,3-三氯丙烷	SHE22-04500.017	mg/kg	0.02		1.19	1	119	73%	133%
1,2,3-三氯丙烷	SHE22-04500.011	mg/kg	0.02		1.01	1	101	73%	133%
氯苯	SHE22-04500.017	mg/kg	0.05		1.04	1	104	68%	113%
氯苯	SHE22-04500.011	mg/kg	0.05		0.94	1	93.5	68%	113%
1,4-二氯苯	SHE22-04500.017	mg/kg	0.05		1.05	1	105	60%	138%
1,4-二氯苯	SHE22-04500.011	mg/kg	0.05		0.97	1	96.7	60%	138%
1,2-二氯苯	SHE22-04500.011	mg/kg	0.05		1.15	1	115	60%	131%
氯仿	SHE22-04500.017	mg/kg	0.05		1.27	1	127	73%	129%
氯仿	SHE22-04500.011	mg/kg	0.05		1.14	1	114	73%	129%
萘	SHE22-04500.017	mg/kg	0.05		1.15	1	115	54%	130%
萘	SHE22-04500.011	mg/kg	0.05		0.97	1	97.1	54%	130%

土壤和沉积物 12种金属元素的测定 王水提取-电感耦合等离子体质谱法 方法：HJ 803-2016

砷	SHE22-04500.009	mg/kg	0.6	3.9	13.9	10	100	70%	130%
砷	SHE22-04500.019	mg/kg	0.6	4.6	15.0	10	104	70%	130%
砷	SHE22-04500.029	mg/kg	0.6	5.4	15.4	10	99.9	70%	130%

土壤和沉积物 半挥发性有机物的测定 气相色谱-质谱法 方法：HJ 834-2017

2-氟苯酚	SHE22-04500.009	%	-	47	45	100	45.0	28	104
2-氟苯酚	SHE22-04500.029	%	-	59	52	100	52.5	28	104
苯酚-d6	SHE22-04500.009	%	-	56	63	100	63.3	50	70
苯酚-d6	SHE22-04500.029	%	-	64	59	100	59.4	50	70
硝基苯-d5	SHE22-04500.009	%	-	59	55	100	55.2	45	77
硝基苯-d5	SHE22-04500.029	%	-	67	58	100	58.5	45	77
2-氟联苯	SHE22-04500.009	%	-	65	84	100	84.0	52	88
2-氟联苯	SHE22-04500.029	%	-	75	81	100	81.0	52	88
对-三联苯-d14	SHE22-04500.009	%	-	68	88	100	88.5	33	137



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基质加标(MS)

基质加标回收率% = (基质加标测定值-样品测定值) *100/基质加标量 (相关系数带入计算)。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围 下限	上限
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土壤和沉积物 半挥发性有机物的测定 气相色谱—质谱法 方法：HJ 834-2017(继续)

对-三联苯-d14	SHE22-04500.029	%	-	74	87	100	87.3	33	137
2-氯苯酚	SHE22-04500.009	mg/kg	0.06	<0.06	0.33	0.5	65.8	35%	87%
2-氯苯酚	SHE22-04500.029	mg/kg	0.06	<0.06	0.42	0.5	83.7	35%	87%
苯并(a)蒽	SHE22-04500.009	mg/kg	0.1	<0.1	0.4	0.5	77.1	73%	121%
苯并(a)蒽	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	84.9	73%	121%
屈	SHE22-04500.009	mg/kg	0.1	<0.1	0.4	0.5	77.8	54%	122%
屈	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	77.6	54%	122%
苯并(b)荧蒹	SHE22-04500.009	mg/kg	0.2	<0.2	0.3	0.5	65.0	59%	131%
苯并(b)荧蒹	SHE22-04500.029	mg/kg	0.2	<0.2	0.4	0.5	77.7	59%	131%
苯并(k)荧蒹	SHE22-04500.009	mg/kg	0.1	<0.1	0.4	0.5	86.1	74%	114%
苯并(k)荧蒹	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	87.3	74%	114%
苯并(a)芘	SHE22-04500.009	mg/kg	0.1	<0.1	0.3	0.5	63.9	45%	105%
苯并(a)芘	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	85.0	45%	105%
茚并(1,2,3-cd)芘	SHE22-04500.009	mg/kg	0.1	<0.1	0.4	0.5	86.2	52%	132%
茚并(1,2,3-cd)芘	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	83.1	52%	132%
二苯并(a,h)蒹	SHE22-04500.009	mg/kg	0.1	<0.1	0.3	0.5	68.7	64%	128%
二苯并(a,h)蒹	SHE22-04500.029	mg/kg	0.1	<0.1	0.4	0.5	87.2	64%	128%
硝基苯	SHE22-04500.009	mg/kg	0.09	<0.09	0.39	0.5	77.4	38%	90%
硝基苯	SHE22-04500.029	mg/kg	0.09	<0.09	0.41	0.5	81.3	38%	90%
苯胺	SHE22-04500.009	mg/kg	0.1	<0.1	0.2	0.5	39.0	30%	70%
苯胺	SHE22-04500.029	mg/kg	0.1	<0.1	0.2	0.5	38.2	30%	70%

二苯砜二酞分光光度法测定地下水水质中的六价铬含量 方法：DZ/T 0064.17-2021

六价铬	SHE22-04500.008	mg/L	0.004	<0.004	0.039	0.04	97.5	90%	110%
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水质 17种苯胺类化合物的测定 液相色谱-三重四级杆质谱法 方法：HJ 1048-2019

苯胺	SHE22-35405.001	μg/L	0.2	<0.2	9.6	10	96.0	70%	120%
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水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012

甲苯-d8	QCO22-01181.001	%	-	95.2	101	100	101	70	130
4-溴氟苯	QCO22-01181.001	%	-	111	103	100	103	70	130
二溴-一氟甲烷	QCO22-01181.001	%	-	125	119	100	119	70	130
苯	QCO22-01181.001	μg/L	1.4	<1.4	20.2	20	101	60%	130%
甲苯	QCO22-01181.001	μg/L	1.4	<1.4	20.8	20	104	60%	130%
乙苯	QCO22-01181.001	μg/L	0.8	<0.8	20.2	20	101	60%	130%
苯乙烯	QCO22-01181.001	μg/L	0.6	<0.6	18.3	20	91.6	60%	130%



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基质加标(MS)

基质加标回收率% = (基质加标测定值 - 样品测定值) * 100 / 基质加标量 (相关系数带入计算) 。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围
								下限 上限

水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012(继续)

邻二甲苯	QCO22-01181.001	µg/L	1.4	<1.4	17.7	20	88.7	60%	130%
间&对二甲苯	QCO22-01181.001	µg/L	2.2	<2.2	42.8	40	107	60%	130%
1,2-二氯丙烷	QCO22-01181.001	µg/L	1.2	<1.2	19.8	20	99.0	60%	130%
氯甲烷	QCO22-01181.001	µg/L	1.5	<1.5	23.5	20	117	50%	130%
氯乙烯	QCO22-01181.001	µg/L	1.5	<1.5	22.8	20	114	60%	130%
1,1-二氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	17.1	20	85.4	60%	130%
二氯甲烷	QCO22-01181.001	µg/L	1.0	<1.0	17.6	20	87.9	60%	130%
反-1,2-二氯乙烯	QCO22-01181.001	µg/L	1.1	<1.1	17.3	20	86.4	60%	130%
1,1-二氯乙烷	QCO22-01181.001	µg/L	1.2	<1.2	19.5	20	97.6	60%	130%
顺-1,2-二氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	18.7	20	93.6	60%	130%
1,1,1-三氯乙烷	QCO22-01181.001	µg/L	1.4	<1.4	23.0	20	115	60%	130%
四氯化碳	QCO22-01181.001	µg/L	1.5	<1.5	23.1	20	116	60%	130%
1,2-二氯乙烷	QCO22-01181.001	µg/L	1.4	<1.4	21.8	20	109	60%	130%
三氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	21.7	20	109	60%	130%
1,1,2-三氯乙烷	QCO22-01181.001	µg/L	1.5	<1.5	20.4	20	102	60%	130%
四氯乙烯	QCO22-01181.001	µg/L	1.2	<1.2	19.2	20	95.8	60%	130%
1,1,1,2-四氯乙烷	QCO22-01181.001	µg/L	1.5	<1.5	17.2	20	86.2	60%	130%
1,1,2,2-四氯乙烷	QCO22-01181.001	µg/L	1.1	<1.1	19.6	20	97.8	60%	130%
1,2,3-三氯丙烷	QCO22-01181.001	µg/L	0.5	<0.5	23.6	20	118	60%	130%
氯苯	QCO22-01181.001	µg/L	1.0	<1.0	20.7	20	104	60%	130%
1,4-二氯苯	QCO22-01181.001	µg/L	0.8	<0.8	19.6	20	98.2	60%	130%
氯仿	QCO22-01181.001	µg/L	1.4	<1.4	21.0	20	105	60%	130%

水质 65种元素的测定 电感耦合等离子体质谱法 方法：HJ 700-2014

铅	SHE22-04500.001	µg/L	0.09	<0.09	15.7	20	78.2	70%	130%
镉	SHE22-04500.001	µg/L	0.06	0.30	15.7	20	77.0	70%	130%

水质 硝基苯类化合物的测定 气相色谱-质谱法 方法：HJ 716-2014

硝基苯-d5	SHE22-04500.005	%	-	73	78	100	78.2	70	110
硝基苯	SHE22-04500.005	µg/L	0.04	<0.04	0.76	1	76.1	70%	110%

水质 酚类化合物的测定 气相色谱-质谱法 方法：HJ 744-2015

2-氯苯酚	SHE22-35406.001	µg/L	0.1	<0.1	0.7	1	71.7	60%	130%
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水质 百草菊酯及拟除虫菊酯类农药的测定 气相色谱-质谱法 方法：HJ 753-2015

溴氰菊酯	SHE22-04500.005	µg/L	0.04	<0.04	0.71	1	71.1	60%	130%
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水质 阴离子的测定 离子色谱法 方法：HJ 84-2016



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基质加标(MS)

基质加标回收率%=(基质加标测定值-样品测定值)*100/基质加标量(相关系数带入计算)。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围
								下限 上限

水质 阴离子的测定 离子色谱法 方法: HJ 84-2016(继续)

氯化物	SHE22-04500.003	mg/L	0.007	57.2	65.2	10	80.2	80%	120%
氟化物	SHE22-04500.003	mg/L	0.006	40.4	49.0	10	86.1	80%	120%
亚硝酸盐氮(N计)	SHE22-04500.003	mg/L	0.005	<0.005	3.17	3.04	104	86%	120%
硝酸盐氮(N计)	SHE22-04500.003	mg/L	0.0036	0.0670	2.26	2.26	96.8	80%	120%
硫酸盐	SHE22-04500.003	mg/L	0.018	5.96	15.8	10	98.9	80%	120%

基质加标回收率评价: 本批次测试的基质加标回收率结果均在控制范围内, 符合实验室质量控制要求。

基质加标平行样(MSD)

基质加标平行样的相对偏差(RD)%=|样品基质加标回收率%-平行样基质加标回收率%|*100/(样品基质加标回收率%+平行样基质加标回收率%)。

参数	样品号	单位	检出限	样品基质加标回收率%	平行样基质加标回收率%	RD%	RD控制范围%	替代物控制范围
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土壤和沉积物 石油烃(C10-C40)的测定 气相色谱法 方法: HJ 1021-2019

石油烃(C ₁₀ -C ₄₀)	SHE22-04500.009	mg/kg	6	90.4	63.8	17.2	≤25	-
石油烃(C ₁₀ -C ₄₀)	SHE22-04500.029	mg/kg	6	73.7	70.4	2.3	≤25	-

土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法: HJ 605-2011

甲苯-d8	SHE22-04500.017	%	-	97.3	96.0	-	-	70-130
甲苯-d8	SHE22-04500.011	%	-	93.6	94.3	-	-	70-130
4-溴氟苯	SHE22-04500.017	%	-	97.0	103	-	-	70-130
4-溴氟苯	SHE22-04500.011	%	-	89.3	87.1	-	-	70-130
二溴一氟甲烷	SHE22-04500.017	%	-	98.8	93.2	-	-	70-130
二溴一氟甲烷	SHE22-04500.011	%	-	96.5	99.1	-	-	70-130
苯	SHE22-04500.017	mg/kg	0.05	109	111	0.8	≤25	-
苯	SHE22-04500.011	mg/kg	0.05	91.8	96.8	2.7	≤25	-
甲苯	SHE22-04500.017	mg/kg	0.05	95.1	97.5	1.2	≤25	-
甲苯	SHE22-04500.011	mg/kg	0.05	82.6	88.9	3.7	≤25	-
乙苯	SHE22-04500.017	mg/kg	0.05	102	104	1.2	≤25	-
乙苯	SHE22-04500.011	mg/kg	0.05	91.8	94.6	1.5	≤25	-
间&对-二甲苯	SHE22-04500.017	mg/kg	0.05	104	107	1.3	≤25	-
间&对-二甲苯	SHE22-04500.011	mg/kg	0.05	99.0	99.4	0.2	≤25	-
苯乙烯	SHE22-04500.017	mg/kg	0.05	104	107	1.3	≤25	-
苯乙烯	SHE22-04500.011	mg/kg	0.05	96.5	96.7	0.1	≤25	-



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基质加标平行样(MSD)

基质加标平行样的相对偏差(RD)%=|样品基质加标回收率%-平行样基质加标回收率%|*100/(样品基质加标回收率%+平行样基质加标回收率%)。

参数	样品号	单位	检出限	样品基质 加标回收率%	平行样基质 加标回收率%	RD%	RD控制 范围%	替代物 控制范围
土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)								
邻二甲苯	SHE22-04500.017	mg/kg	0.05	101	103	1.0	≤25	-
邻二甲苯	SHE22-04500.011	mg/kg	0.05	90.6	93.3	1.5	≤25	-
1,2-二氯丙烷	SHE22-04500.011	mg/kg	0.05	89.9	91.0	0.6	≤25	-
二氯甲烷	SHE22-04500.017	mg/kg	0.5	123	132	3.5	≤25	-
二氯甲烷	SHE22-04500.011	mg/kg	0.5	114	120	2.7	≤25	-
反-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05	96.3	102	2.9	≤25	-
反-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05	88.1	100	6.5	≤25	-
1,1-二氯乙烷	SHE22-04500.017	mg/kg	0.05	122	114	3.6	≤25	-
1,1-二氯乙烷	SHE22-04500.011	mg/kg	0.05	112	114	1.1	≤25	-
顺-1,2-二氯乙烯	SHE22-04500.017	mg/kg	0.05	108	114	2.7	≤25	-
顺-1,2-二氯乙烯	SHE22-04500.011	mg/kg	0.05	96.7	104	3.5	≤25	-
1,1,1-三氯乙烷	SHE22-04500.017	mg/kg	0.05	117	113	1.7	≤25	-
1,1,1-三氯乙烷	SHE22-04500.011	mg/kg	0.05	108	112	1.6	≤25	-
四氯化碳	SHE22-04500.017	mg/kg	0.05	104	105	0.3	≤25	-
四氯化碳	SHE22-04500.011	mg/kg	0.05	101	103	1.0	≤25	-
三氯乙烯	SHE22-04500.017	mg/kg	0.05	106	108	1.2	≤25	-
三氯乙烯	SHE22-04500.011	mg/kg	0.05	98.9	104	2.6	≤25	-
1,1,2-三氯乙烷	SHE22-04500.017	mg/kg	0.05	103	106	1.7	≤25	-
1,1,2-三氯乙烷	SHE22-04500.011	mg/kg	0.05	91.5	91.2	0.2	≤25	-
四氯乙烯	SHE22-04500.017	mg/kg	0.05	97.5	96.4	0.6	≤25	-
四氯乙烯	SHE22-04500.011	mg/kg	0.05	95.0	102	3.3	≤25	-
1,1,1,2-四氯乙烷	SHE22-04500.017	mg/kg	0.05	90.4	96.8	3.4	≤25	-
1,1,1,2-四氯乙烷	SHE22-04500.011	mg/kg	0.05	92.7	94.8	1.1	≤25	-
1,1,2,2-四氯乙烷	SHE22-04500.017	mg/kg	0.05	91.7	98.6	3.6	≤25	-
1,1,2,2-四氯乙烷	SHE22-04500.011	mg/kg	0.05	81.9	82.4	0.3	≤25	-
1,2,3-三氯丙烷	SHE22-04500.017	mg/kg	0.02	119	122	1.5	≤25	-
1,2,3-三氯丙烷	SHE22-04500.011	mg/kg	0.02	101	100	0.2	≤25	-
氯苯	SHE22-04500.017	mg/kg	0.05	104	104	0.2	≤25	-
氯苯	SHE22-04500.011	mg/kg	0.05	93.5	97.4	2.0	≤25	-
1,4-二氯苯	SHE22-04500.017	mg/kg	0.05	105	111	2.8	≤25	-
1,4-二氯苯	SHE22-04500.011	mg/kg	0.05	96.7	97.9	0.6	≤25	-
1,2-二氯苯	SHE22-04500.011	mg/kg	0.05	115	117	0.6	≤25	-



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基质加标平行样(MSD)

基质加标平行样的相对偏差(RD)%=|样品基质加标回收率%-平行样基质加标回收率%|*100/(样品基质加标回收率%+平行样基质加标回收率%)。

参数	样品号	单位	检出限	样品基质 加标回收率%	平行样基质 加标回收率%	RD%	RD控制 范围%	替代物 控制范围
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土壤和沉积物 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 605-2011(继续)

氯仿	SHE22-04500.017	mg/kg	0.05	127	125	1.1	≤25	-
氯仿	SHE22-04500.011	mg/kg	0.05	114	114	0.1	≤25	-
萘	SHE22-04500.017	mg/kg	0.05	115	124	3.5	≤25	-
萘	SHE22-04500.011	mg/kg	0.05	97.1	99.4	1.2	≤25	-

水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012

甲苯-d8	QCO22-01181.001	%	-	101	101	-	-	70-130
4-溴氟苯	QCO22-01181.001	%	-	103	108	-	-	70-130
二溴一氟甲烷	QCO22-01181.001	%	-	119	110	-	-	70-130
苯	QCO22-01181.001	μg/L	1.4	101	113	5.8	≤30	-
甲苯	QCO22-01181.001	μg/L	1.4	104	111	3.3	≤30	-
乙苯	QCO22-01181.001	μg/L	0.8	101	107	3.1	≤30	-
苯乙烯	QCO22-01181.001	μg/L	0.6	91.6	96.6	2.7	≤30	-
邻-二甲苯	QCO22-01181.001	μg/L	1.4	88.7	97.9	4.9	≤30	-
间&对-二甲苯	QCO22-01181.001	μg/L	2.2	107	114	3.0	≤30	-
1,2-二氯丙烷	QCO22-01181.001	μg/L	1.2	99.0	117	8.3	≤30	-
氯甲烷	QCO22-01181.001	μg/L	1.5	117	106	5.2	≤30	-
氯乙烯	QCO22-01181.001	μg/L	1.5	114	109	2.2	≤30	-
1,1-二氯乙烯	QCO22-01181.001	μg/L	1.2	85.4	85.0	0.2	≤30	-
二氯甲烷	QCO22-01181.001	μg/L	1.0	87.9	82.2	3.4	≤30	-
反-1,2-二氯乙烯	QCO22-01181.001	μg/L	1.1	86.4	81.0	3.2	≤30	-
1,1-二氯乙烷	QCO22-01181.001	μg/L	1.2	97.6	98.6	0.5	≤30	-
顺-1,2-二氯乙烯	QCO22-01181.001	μg/L	1.2	93.6	98.8	2.7	≤30	-
1,1,1-三氯乙烯	QCO22-01181.001	μg/L	1.4	115	111	1.8	≤30	-
四氯化碳	QCO22-01181.001	μg/L	1.5	116	110	2.6	≤30	-
1,2-二氯乙烷	QCO22-01181.001	μg/L	1.4	109	109	0.2	≤30	-
三氯乙烯	QCO22-01181.001	μg/L	1.2	109	112	1.7	≤30	-
1,1,2-三氯乙烷	QCO22-01181.001	μg/L	1.5	102	106	2.0	≤30	-
四氯乙烯	QCO22-01181.001	μg/L	1.2	95.8	103	3.7	≤30	-
1,1,1,2-四氯乙烷	QCO22-01181.001	μg/L	1.5	86.2	91.2	2.8	≤30	-
1,1,2,2-四氯乙烷	QCO22-01181.001	μg/L	1.1	97.8	102	2.0	≤30	-
1,2,3-三氯丙烷	QCO22-01181.001	μg/L	0.5	118	122	1.7	≤30	-
氯苯	QCO22-01181.001	μg/L	1.0	104	110	2.9	≤30	-



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基质加标平行样(MSD)

基质加标平行样的相对偏差(RD)%=|样品基质加标回收率%-平行样基质加标回收率%|*100/(样品基质加标回收率%+平行样基质加标回收率%)。

参数	样品号	单位	检出限	样品基质 加标回收率%	平行样基质 加标回收率%	RD%	RD控制 范围%	替代物 控制范围
----	-----	----	-----	----------------	-----------------	-----	-------------	-------------

水质 挥发性有机物的测定 吹扫捕集/气相色谱-质谱法 方法：HJ 639-2012(继续)

1,4-二氯苯	QCO22-01181.001	µg/L	0.8	98.2	105	3.2	≤30	-
氯仿	QCO22-01181.001	µg/L	1.4	105	105	0.1	≤30	-

水质 65种元素的测定 电感耦合等离子体质谱法 方法：HJ 700-2014

铅	SHE22-04500.001	µg/L	0.09	78.2	77.2	0.6	≤20	-
镍	SHE22-04500.001	µg/L	0.06	77.0	83.4	4.0	≤20	-

基质加标平行样评价：本批次测试的基质加标平行样回收率结果均在控制范围内，基质加标样品及其平行样的相对偏差均在控制范围内，符合实验室质量控制要求。

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检测报告

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电话 86 21 53853050
传真 -
Email -
订单号 -
样品 地下水(7) 土壤(21)
项目 -

实验室信息

管理者 SGS-CSTC
实验室 环境实验室
地址 上海市徐汇区宜山路889号3号楼2楼
电话 +86 (21) 6140 2666-2002
传真 +86 (21) 6115 2164
Email REPORT.ENV@SGS.COM
报告编号 SHE22-04499 R0
SGS编号 0000245955
报告日期 2022/10/25
分析日期 2022/10/14 - 2022/10/19

备注

1. 结果适用于收到的样品。
2. 项目名称: 0650072 拜耳作物科学 (中国) 有限公司2022年自行监测。

报告批准人

李莹莹

李莹莹
报告编制

刘真

刘真
审核

唐黎琼

唐黎琼
批准人

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符号表/Legend

"-" 未测试该参数或不适用/The parameter is not tested or not applicable

↑ 提高检出限/Detection limit raised

↓ 降低检出限/Detection limit lowered

ND 未检出/Not Detected



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		实验室编号	22-04499.001	22-04499.002	22-04499.003	22-04499.004
		样品名称	2A01-W(MW-2)	2B01-W(MW-6)	2B02-W(SMW-3)	2C01-W(MW-4)
		检测类别	地下水	地下水	地下水	地下水
		样品描述	浑浊灰黑	浑浊灰黑	浑浊棕色	微浑微黄
		收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果		
pH*	HJ 1147	无量纲	-	7.4	7.7	7.8
N,N-二甲基甲酰胺*	by GC/FID	mg/L	0.5	ND	ND	ND

		实验室编号	22-04499.005	22-04499.006	22-04499.007
		样品名称	2D01-W(MW-5)	DZW01-W	DUP-1-W
		检测类别	地下水	(SMW-1)	地下水
		样品描述	浑浊灰黑	地下水	浑浊灰黑
		收样日期	2022/10/14	微浑微黄 2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果	
pH*	HJ 1147	无量纲	-	7.5	7.3
N,N-二甲基甲酰胺*	by GC/FID	mg/L	0.5	ND	ND



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实验室编号	22-04499.008	22-04499.009	22-04499.010	22-04499.011
样品名称	1A01-005	1A01-020	1B01-005	1B01-025
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果
N,N-二甲基甲酰胺*	by GC/FID	mg/kg	2.5	ND

实验室编号	22-04499.012	22-04499.013	22-04499.014	22-04499.015
样品名称	1B02-010	1B02-030	1B02-045	1B02-060
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果
N,N-二甲基甲酰胺*	by GC/FID	mg/kg	2.5	ND

实验室编号	22-04499.016	22-04499.017	22-04499.018	22-04499.019
样品名称	1C01-005	1C01-010	1C01-040	1D01-005
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果
N,N-二甲基甲酰胺*	by GC/FID	mg/kg	2.5	ND

实验室编号	22-04499.020	22-04499.021	22-04499.022	22-04499.023
样品名称	1D01-025	1D02-005	1D02-020	1D02-040
检测类别	土壤	土壤	土壤	土壤
样品描述	较密棕色	较密棕色	较密棕色	较密棕色
收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14

分析指标	方法	单位	检出限	检测结果
N,N-二甲基甲酰胺*	by GC/FID	mg/kg	2.5	ND



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		实验室编号	22-04499.024	22-04499.025	22-04499.026	22-04499.027
		样品名称	1D02-060	DZS01-005	DZS01-030	DUP-1-S
		检测类别	土壤	土壤	土壤	土壤
		样品描述	较密棕色	较密棕色	较密棕色	较密棕色
		收样日期	2022/10/14	2022/10/14	2022/10/14	2022/10/14
分析指标	方法	单位	检出限	检测结果		
N,N-二甲基甲酰胺*	by GC/FID	mg/kg	2.5	ND	ND	ND

		实验室编号		22-04499.028	
		样品名称		DUP-2-S	
		检测类别		土壤	
		样品描述		较密棕色	
		收样日期		2022/10/14	
分析指标		方法	单位	检出限	检测结果
N,N-二甲基甲酰胺*		by GC/FID	mg/kg	2.5	ND



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方法列表

HJ 1147-2020 水质 pH值的测定 电极法
by GC/FID DMF 实验室内部方法



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方法:HJ 1147-2020

仪器名称	型号	仪器编号	出厂序号
多参数分析仪	Mettler S470-K	CHEM-1109	B803289021

方法:by GC/FID

仪器名称	型号	仪器编号	出厂序号
气相色谱仪-火焰离子化检测器/氮磷检测器	Agilent 6890N	CHEM-ENV072	US10449051

方法:by GC/FID

仪器名称	型号	仪器编号	出厂序号
气相色谱仪-火焰离子化检测器/氮磷检测器	Agilent 6890N	CHEM-ENV072	US10449051



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方法空白(MB)

参数	QC批号	单位	检出限	MB	控制范围
DMF 实验室内部方法 方法: by GC/FID					
N,N-二甲基甲酰胺	LB2231438	mg/kg	2.5	<2.5	<2.5
N,N-二甲基甲酰胺	LB2231439	mg/kg	2.5	<2.5	<2.5
DMF 实验室内部方法 方法: by GC/FID					
N,N-二甲基甲酰胺	LB2231437	mg/L	0.5	<0.5	<0.5

方法空白结果评价: 本批次测试的方法空白均低于检出限, 符合实验室质量控制要求。

实验室控制样品 (LCS)

实验室控制样品回收率%=测定值*100/参考值。

参数	QC批号	单位	检出限	测定值	参考值	回收率%	控制范围	
							下限	上限
DMF 实验室内部方法 方法：by GC/FID								
N,N-二甲基甲酰胺	LB2231438	mg/kg	2.5	11.0	10	110	50%	150%
N,N-二甲基甲酰胺	LB2231439	mg/kg	2.5	8.7	10	86.6	50%	150%
DMF 实验室内部方法 方法：by GC/FID								
N,N-二甲基甲酰胺	LB2231437	mg/L	0.5	5.3	5	106	50%	150%

实验室控制样品回收率评价: 本批次测试的实验室控制样品回收率结果均在控制范围内, 符合实验室质量控制要求。

实验室平行样 (DUP)

平行样的相对偏差(RD)%=|样品测定值-平行样测定值|*100/(样品测定值+平行样测定值)。

参数	样品号	单位	检出限	样品测定值	平行样测定值	RD%	RD控制范围%	替代物控制范围
DMF 实验室内部方法 方法: by GC/FID								
N,N-二甲基甲酰胺	SHE22-04499.008	mg/kg	2.5	<2.5	<2.5	0.0	≤30	-
N,N-二甲基甲酰胺	SHE22-04499.009	mg/kg	2.5	<2.5	<2.5	0.0	≤30	-
DMF 实验室内部方法 方法: by GC/FID								
N,N-二甲基甲酰胺	SHE22-04499.001	mg/L	0.5	<0.5	<0.5	0.0	≤30	-

平行双样相对偏差结果评价: 本批次测试的实验室平行样相对偏差均在控制范围内, 符合实验室质量控制要求。

平行样的差值=|样品测定值-平行样测定值|

参数	样品号	单位	检出限	样品测定值	平行样测定值	差值	允许差值	替代物控制范围
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实验室平行样 (DUP)

平行样的差值=|样品测定值-平行样测定值|

参数	样品号	单位	检出限	样品测定值	平行样测定值	差值	允许差值	替代物控制范围
水质 pH值的测定 电极法 方法：HJ 1147-2020								
pH	SHE22-04499.001	无量纲	-	7.4	7.4	0.0	≤0.1	-

平行样允许差值评价：本批次测试的实验室平行样差值在控制范围内，符合实验室质量控制要求。

基质加标(MS)

基质加标回收率%=(基质加标测定值-样品测定值) *100/基质加标量 (相关系数带入计算)。

参数	样品号	单位	检出限	样品测定值	MS测定值	基质加标量	回收率%	控制范围 下限 上限
DMF 实验室内部方法 方法：by GC/FID								
N,N-二甲基甲酰胺	SHE22-04499.008	mg/kg	2.5	<2.5	9.8	10	98.1	50% 150%
N,N-二甲基甲酰胺	SHE22-04499.009	mg/kg	2.5	<2.5	10.3	10	103	50% 150%

DMF 实验室内部方法 方法：by GC/FID

N,N-二甲基甲酰胺	SHE22-04499.001	mg/L	0.5	<0.5	4.9	5	97.0	50% 150%
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基质加标回收率评价：本批次测试的基质加标回收率结果均在控制范围内，符合实验室质量控制要求。

基质加标平行样(MSD)

基质加标平行样的相对偏差(RD)%=|样品基质加标回收率%-平行样基质加标回收率%|*100/(样品基质加标回收率%+平行样基质加标回收率%)。

参数	样品号	单位	检出限	样品基质加标回收率%	平行样基质加标回收率%	RD%	RD控制范围%	替代物控制范围
DMF 实验室内部方法 方法：by GC/FID								
N,N-二甲基甲酰胺	SHE22-04499.008	mg/kg	2.5	98.1	103	2.3	≤30	-
N,N-二甲基甲酰胺	SHE22-04499.009	mg/kg	2.5	103	106	1.7	≤30	-

DMF 实验室内部方法 方法：by GC/FID

N,N-二甲基甲酰胺	SHE22-04499.001	mg/L	0.5	97.0	101	1.9	≤30	-
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基质加标平行样评价：本批次测试的基质加标平行样回收率结果均在控制范围内，基质加标样品及其平行样的相对偏差均在控制范围内，符合实验室质量控制要求。



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单 转 流 品 样

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SGS-CSTC 环境服务部

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SGS 项目号		SGS 报价号		应出报告日	
样品描述		检测项目		容器与保护剂	
样品编号	实验室编号	日期	样品描述	土壤	沉积物
2A01-W (MW-2)		10/13		地下水	其他
2B01-W (MW-6)		10/13		HCl	HNO3
2B02-W (SMW-3)		10/13		H2SO4	NaOH
2C01-W (MW-4)		10/13		MeOH	棕色玻璃瓶(L/250ml)
2D01-W (MW-5)		10/13		棕色玻璃瓶250ml	棕色玻璃瓶40ml
DZWO1-W (SMW-1)		10/13			
TB-1		10/13			
DVP-1-W		10/13			
测试周期要求: ☐ 10 个工作日 ☐ 7 个工作日 ☐ 5 个工作日 ☐ 其它(请注明)		报告形式: ☐ 中文 ☐ 英文		限值要求: ☐ 是(填写具体限值标准) ☐ 否	
样品处理: ☐ 直接客户 ☐ 由实验室处理(报告发出后通过10天加严检测样品由客户, 和收取一定的费用)		备注: 如检测要求, 样品前处理客户直接送样检测的样品状态偏离为客户默认偏离。		是否需上传报告系统: ☐ 是 ☐ 否	
送样材料: ☐ 无盖瓶 ☐ 密封瓶 ☐ 有盖有盖 ☐ 氧化性 ☐ 腐蚀性 ☐ 生物危害 ☐ 其他		样品接收		运送者: _____	
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