



# 声明

## Statement

报告编号: CQE20-00914 R2

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### 符号表/Legend

NA 样品未测试该参数/The sample was not analysed for this analyte

↑ 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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Chongqing Branch / Inspection & Testing Laboratory

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土壤分析		实验室编号		CQE20-00914.001	CQE20-00914.002	限值	备注
		检测类别		土壤	土壤		
		样品描述		黄褐色轻壤土	黄褐色砂壤土		
报告编号: CQE20-00914 R2		收样日期		2020/12/04	2020/12/04		
		采样位置		生化废水站西侧7#	生化废水站西侧8#		
		采样深度(cm)		0-20	0-20		
		采样日期		2020/12/04	2020/12/04		
		采样时间		11:35-11:45	11:51-11:57		
分析指标	方法	检出限	单位	检测结果	检测结果		
六价铬	HJ 1082-2019	0.5	mg/kg	ND	ND	78	不超过GB 36600-2018第二类用地管制值
铜	HJ 491-2019	1	mg/kg	24	24	36000	不超过GB 36600-2018第二类用地管制值
锌	HJ 491-2019	1	mg/kg	108	141	-	-
镍	HJ 491-2019	3	mg/kg	31	21	2000	不超过GB 36600-2018第二类用地管制值
铅	HJ 491-2019	10	mg/kg	35	38	2500	不超过GB 36600-2018第二类用地管制值
汞	GB/T 22105.1-2008	0.002	mg/kg	0.041	0.055	82	不超过GB 36600-2018第二类用地管制值
砷	GB/T 22105.2-2008	0.1	mg/kg	3.5	5.1	140	不超过GB 36600-2018第二类用地管制值
镉	GB/T 17141-1997	0.01	mg/kg	0.16	0.21	172	不超过GB 36600-2018第二类用地管制值
甲苯-d8	HJ 605-2011	-	%	104	104	-	-
4-溴氟苯	HJ 605-2011	-	%	76	78	-	-
二溴一氟甲烷	HJ 605-2011	-	%	103	105	-	-
苯	HJ 605-2011	0.05	mg/kg	ND	ND	40	不超过GB 36600-2018第二类用地管制值
甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	1200	不超过GB 36600-2018第二类用地管制值
乙苯	HJ 605-2011	0.05	mg/kg	ND	ND	280	不超过GB 36600-2018第二类用地管制值
间&对二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	570	不超过GB 36600-2018第二类用地管制值
邻二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	640	不超过GB 36600-2018第二类用地管制值

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土壤分析		实验室编号	CQE20-00914.003	CQE20-00914.004					
报告编号: CQE20-00914 R2		检测类别	土壤	土壤					
		样品描述	褐色砂壤土	褐色砂壤土					
		收样日期	2020/12/04	2020/12/04	限值	备注			
		采样位置	二线废水站 东侧绿地6#	二线废水站 东侧绿地5#					
		采样深度(cm)	0-20	0-20					
		采样日期	2020/12/04	2020/12/04					
		采样时间	12:09-12:14	12:21-12:26					
分析指标	方法	检出限	单位	检测结果			检测结果		
六价铬	HJ 1082-2019	0.5	mg/kg	ND			ND	78	不超过GB 36600-2018第 二类用地管制值
铜	HJ 491-2019	1	mg/kg	54			36	36000	不超过GB 36600-2018第 二类用地管制值
锌	HJ 491-2019	1	mg/kg	105	108	-	-		
镍	HJ 491-2019	3	mg/kg	24	21	2000	不超过GB 36600-2018第 二类用地管制值		
铅	HJ 491-2019	10	mg/kg	41	31	2500	不超过GB 36600-2018第 二类用地管制值		
汞	GB/T 22105.1-2008	0.002	mg/kg	0.079	0.126	82	不超过GB 36600-2018第 二类用地管制值		
砷	GB/T 22105.2-2008	0.1	mg/kg	5.2	2.6	140	不超过GB 36600-2018第 二类用地管制值		
镉	GB/T 17141-1997	0.01	mg/kg	0.20	0.19	172	不超过GB 36600-2018第 二类用地管制值		
甲苯-d8	HJ 605-2011	-	%	105	111	-	-		
4-溴氟苯	HJ 605-2011	-	%	110	91	-	-		
二溴一氟甲烷	HJ 605-2011	-	%	104	97	-	-		
苯	HJ 605-2011	0.05	mg/kg	ND	ND	40	不超过GB 36600-2018第 二类用地管制值		
甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	1200	不超过GB 36600-2018第 二类用地管制值		
乙苯	HJ 605-2011	0.05	mg/kg	ND	ND	280	不超过GB 36600-2018第 二类用地管制值		
间&对二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	570	不超过GB 36600-2018第 二类用地管制值		
邻二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	640	不超过GB 36600-2018第 二类用地管制值		

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土壤分析		实验室编号	CQE20-00914.005	CQE20-00914.006				
报告编号: CQE20-00914 R2		检测类别	土壤	土壤				
		样品描述	褐色轻壤土	褐色轻壤土				
		收样日期	2020/12/04	2020/12/04				
		采样位置	涂装一线北侧绿地2#	一线发电机房外北侧绿地4#			限值	备注
		采样深度(cm)	0-20	0-20				
		采样日期	2020/12/04	2020/12/04				
		采样时间	12:54-12:59	13:08-13:13				
		分析指标	方法	检出限	单位	检测结果	检测结果	
六价铬	HJ 1082-2019	0.5	mg/kg	ND	ND	78	不超过GB 36600-2018第 二类用地管制值	
铜	HJ 491-2019	1	mg/kg	26	26	36000	不超过GB 36600-2018第 二类用地管制值	
锌	HJ 491-2019	1	mg/kg	114	97	-	-	
镍	HJ 491-2019	3	mg/kg	36	29	2000	不超过GB 36600-2018第 二类用地管制值	
铅	HJ 491-2019	10	mg/kg	30	28	2500	不超过GB 36600-2018第 二类用地管制值	
汞	GB/T 22105.1-2008	0.002	mg/kg	0.049	0.046	82	不超过GB 36600-2018第 二类用地管制值	
砷	GB/T 22105.2-2008	0.1	mg/kg	3.8	2.9	140	不超过GB 36600-2018第 二类用地管制值	
镉	GB/T 17141-1997	0.01	mg/kg	0.25	0.18	172	不超过GB 36600-2018第 二类用地管制值	
甲苯-d8	HJ 605-2011	-	%	109	105	-	-	
4-溴氟苯	HJ 605-2011	-	%	81	77	-	-	
二溴一氟甲烷	HJ 605-2011	-	%	99	101	-	-	
苯	HJ 605-2011	0.05	mg/kg	ND	ND	40	不超过GB 36600-2018第 二类用地管制值	
甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	1200	不超过GB 36600-2018第 二类用地管制值	
乙苯	HJ 605-2011	0.05	mg/kg	ND	ND	280	不超过GB 36600-2018第 二类用地管制值	
间&对二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	570	不超过GB 36600-2018第 二类用地管制值	
邻二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	640	不超过GB 36600-2018第 二类用地管制值	

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土壤分析		实验室编号	CQE20-00914.007	CQE20-00914.008	限值	备注
报告编号: CQE20-00914 R2		检测类别	土壤	土壤		
		样品描述	褐色轻壤土	褐色轻壤土		
		收样日期	2020/12/04	2020/12/04		
		采样位置	一线废水站与危废暂存场通道3#	涂装一线西南角1#		
		采样深度(cm)	0-20	0-20		
		采样日期	2020/12/04	2020/12/04		
		采样时间	13:16-13:20	13:26-13:31		
分析指标	方法	检出限	单位	检测结果	检测结果	
六价铬	HJ 1082-2019	0.5	mg/kg	ND	ND	78 不超过GB 36600-2018第二类用地管制值
铜	HJ 491-2019	1	mg/kg	51	26	36000 不超过GB 36600-2018第二类用地管制值
锌	HJ 491-2019	1	mg/kg	237	150	- -
镍	HJ 491-2019	3	mg/kg	44	31	2000 不超过GB 36600-2018第二类用地管制值
铅	HJ 491-2019	10	mg/kg	35	44	2500 不超过GB 36600-2018第二类用地管制值
汞	GB/T 22105.1-2008	0.002	mg/kg	0.041	0.044	82 不超过GB 36600-2018第二类用地管制值
砷	GB/T 22105.2-2008	0.1	mg/kg	4.3	3.8	140 不超过GB 36600-2018第二类用地管制值
镉	GB/T 17141-1997	0.01	mg/kg	0.28	0.22	172 不超过GB 36600-2018第二类用地管制值
甲苯-d8	HJ 605-2011	-	%	105	107	- -
4-溴氟苯	HJ 605-2011	-	%	87	87	- -
二溴一氟甲烷	HJ 605-2011	-	%	104	104	- -
苯	HJ 605-2011	0.05	mg/kg	ND	ND	40 不超过GB 36600-2018第二类用地管制值
甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	1200 不超过GB 36600-2018第二类用地管制值
乙苯	HJ 605-2011	0.05	mg/kg	ND	ND	280 不超过GB 36600-2018第二类用地管制值
间&对二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	570 不超过GB 36600-2018第二类用地管制值
邻二甲苯	HJ 605-2011	0.05	mg/kg	ND	ND	640 不超过GB 36600-2018第二类用地管制值

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土壤分析		实验室编号	CQE20-00914.009		限值	备注
报告编号: CQE20-00914 R2		检测类别	土壤			
		样品描述	黄褐色轻壤土			
		收样日期	2020/12/04			
		采样位置	生化废水站西侧7#			
		采样深度(cm)	0-20			
		采样日期	2020/12/04			
		采样时间	11:35-11:45			
分析指标	方法	检出限	单位	检测结果		
六价铬	HJ 1082-2019	0.5	mg/kg	ND	78	不超过GB 36600-2018第二类用地管制值
铜	HJ 491-2019	1	mg/kg	21	36000	不超过GB 36600-2018第二类用地管制值
锌	HJ 491-2019	1	mg/kg	118	-	-
镍	HJ 491-2019	3	mg/kg	26	2000	不超过GB 36600-2018第二类用地管制值
铅	HJ 491-2019	10	mg/kg	31	2500	不超过GB 36600-2018第二类用地管制值
汞	GB/T 22105.1-2008	0.002	mg/kg	0.034	82	不超过GB 36600-2018第二类用地管制值
砷	GB/T 22105.2-2008	0.1	mg/kg	3.2	140	不超过GB 36600-2018第二类用地管制值
镉	GB/T 17141-1997	0.01	mg/kg	0.17	172	不超过GB 36600-2018第二类用地管制值
甲苯-d8	HJ 605-2011	-	%	109	-	-
4-溴氟苯	HJ 605-2011	-	%	77	-	-
二溴一氟甲烷	HJ 605-2011	-	%	105	-	-
苯	HJ 605-2011	0.05	mg/kg	ND	40	不超过GB 36600-2018第二类用地管制值
甲苯	HJ 605-2011	0.05	mg/kg	ND	1200	不超过GB 36600-2018第二类用地管制值
乙苯	HJ 605-2011	0.05	mg/kg	ND	280	不超过GB 36600-2018第二类用地管制值
间&对二甲苯	HJ 605-2011	0.05	mg/kg	ND	570	不超过GB 36600-2018第二类用地管制值
邻二甲苯	HJ 605-2011	0.05	mg/kg	ND	640	不超过GB 36600-2018第二类用地管制值

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报告编号: CQE20-00914 R2

备注:

1.采样地址: 重庆市渝北区空港大道579号。

2.CQE20-00914.001~009共计九个样品苯系物(苯+甲苯+乙苯+二甲苯)均未检出。

3.限值参考: 根据相关技术规范, 应参考GB36600-2018第二类用地筛选值作为评价依据。此报告根据客户对限值要求进行了修订, 使用了GB36600-2018第二类用地管制值作为评判依据(锌无标准限值要求, 不做评判), 修订内容只涉及结果评判。

4.CQE20-00914.001~009共计九个样品检测结果均低于GB 36600-2018表1第二类用地管制值。

5.市场监管部门投诉电话: 12315。

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SGS-CSTC Standards Technical Services Co., Ltd.  
Chongqing Branch Environmental Laboratory.



## 方法列表

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  
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  
GB/T 22105.1-2008 土壤中总汞的测定  
GB/T 22105.2-2008 土壤中总砷的测定  
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  
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



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## 仪器信息

方法	仪器编号	仪器名称	仪器型号	出厂编号
HJ 1082-2019	CHEM-002-01	原子吸收光谱仪	Varian 240FS	EL0808-3281
HJ 491-2019	CHEM-002-02	原子吸收光谱仪	Ice3000	AA09191502
GB/T 22105.1-2008	CHEM-085-01	原子荧光光度计	吉天 Ks12	Ks12-181007
GB/T 22105.2-2008	CHEM-085-01	原子荧光光度计	吉天 Ks12	Ks12-181008
GB/T 17141-1997	CHEM-002-02	原子吸收光谱仪	Ice3000	AA09191502
HJ 605-2011	CHEM-006-06	气相色谱质谱联用仪带吹扫捕集	15-0000-2EC/7890A-5975C	US17273013/CN13071013/US13122A12



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## 质控报告

MB为方法空白结果;  
 LCS为实验室控制样品回收率, MS为基质加标回收率, 以Recovery%表示;  
 DUP以及MSD为双样以及双样加标回收率的相对偏差, 以RD%表示。

土壤中总砷的测定 方法: GB/T 22105.1-2008						
分析指标	QC批号	单位	检出限	MB	DUP RD%	LCS Recovery%
砷	CB2004035	mg/kg	0.1	<0.1	1%	94%

土壤中总汞的测定 方法: GB/T 22105.2-2008						
分析指标	QC批号	单位	检出限	MB	DUP RD%	LCS Recovery%
汞	CB2004034	mg/kg	0.002	<0.002	1%	100%

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						
分析指标	QC批号	单位	检出限	MB	DUP RD%	LCS Recovery%
铜	CB2004036	mg/kg	1	<1	4%	97%
锌	CB2004036	mg/kg	1	<1	0%	102%
镍	CB2004036	mg/kg	3	<3	2%	100%
铅	CB2004036	mg/kg	10	<10	0%	94%

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						
分析指标	QC批号	单位	检出限	MB	DUP RD%	MS Recovery%
六价铬	CB2004083	mg/kg	0.5	<0.5	0%	79%

土壤质量 铅、镉的测定 石墨炉原子吸收分光光度法 方法: GB/T 17141-1997						
分析指标	QC批号	单位	检出限	MB	DUP RD%	LCS Recovery%
镉	CB2004051	mg/kg	0.01	<0.01	3%	93%



## 质控报告

MB为方法空白结果;  
 LCS为实验室控制样品回收率, MS为基质加标回收率, 以Recovery%表示;  
 DUP以及MSD为双样以及双样加标回收率的相对偏差, 以RD%表示。

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								
分析指标	QC批号	单位	检出限	MB	DUP RD%	LCS Recovery%	MS Recovery%	MSD RD%
甲苯-d8	CB2004031	%	-	103%	2%	99%	99%	1%
4-溴氟苯	CB2004031	%	-	76%	2%	103%	78%	2%
二溴一氟甲烷	CB2004031	%	-	103%	1%	102%	100%	2%
苯	CB2004031	mg/kg	0.05	< 0.05	0%	100%	74%	3%
甲苯	CB2004031	mg/kg	0.05	< 0.05	0%	92%	71%	4%
乙苯	CB2004031	mg/kg	0.05	< 0.05	0%	97%	NA	NA
间&对二甲苯	CB2004031	mg/kg	0.05	< 0.05	0%	100%	NA	NA
邻二甲苯	CB2004031	mg/kg	0.05	< 0.05	0%	101%	NA	NA

## 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 方法: GB/T 17141-1997								
镉	CB2004051	mg/kg	0.01	0.26	GBW07385	0.28	0.26	0.30
土壤中总汞的测定 方法: GB/T 22105.1-2008								
汞	CB2004034	mg/kg	0.002	0.058	GBW07452	0.058	0.053	0.063
土壤中总砷的测定 方法: GB/T 22105.2-2008								
砷	CB2004035	mg/kg	0.1	11.1	GBW07452	11.8	10.9	12.7
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	CB2004036	mg/kg	1	34.00	GBW07385	35	29.75	40.25
锌	CB2004036	mg/kg	1	98.0	GBW07385	96	81.6	110.4
镍	CB2004036	mg/kg	3	38.0	GBW07385	38	32.3	43.7
铅	CB2004036	mg/kg	10	30.0	GBW07385	32	27.2	36.8





# 附件

报告编号: CQE20-00914 R2



\*\*\*报告结束\*\*\*

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