

检测报告

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订单号 -
样品 土壤(9)
项目 渝北工厂土壤环境自行监测

实验室信息

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分析日期 2020/12/04 - 2020/12/11

备注

1.结果适用于采样的样品。

报告批准人

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报告编制

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

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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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		实验室编号	20-00914.001	20-00914.002	20-00914.003	20-00914.004	
		检测类别	土壤	土壤	土壤	土壤	
		样品描述	黄褐色轻壤土	黄褐色砂壤土	褐色砂壤土	褐色砂壤土	
		收样日期	2020/12/04	2020/12/04	2020/12/04	2020/12/04	
分析指标	方法	单位	检出限	检测结果			
采样位置	-	-	-	生化废水站西侧7#	生化废水站北测8#	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	0-20	0-20
采样日期	-	-	-	2020/12/04	2020/12/04	2020/12/04	2020/12/04
采样时间	-	-	-	11:35-11:45	11:51-11:57	12:09-12:14	12:21-12:26
六价铬*	HJ 1082	mg/kg	0.5	ND	ND	ND	ND
铜	HJ 491	mg/kg	1	24	24	54	36
锌	HJ 491	mg/kg	1	108	141	105	108
镍	HJ 491	mg/kg	3	31	21	24	21
铅	HJ 491	mg/kg	10	35	38	41	31
汞	GB/T 22105.1	mg/kg	0.002	0.041	0.055	0.079	0.126
砷	GB/T 22105.2	mg/kg	0.1	3.5	5.1	5.2	2.6
镉	GB/T 17141	mg/kg	0.01	0.16	0.21	0.20	0.19
挥发性有机物 代用品							
甲苯-d8	HJ 605	%	-	104	104	105	111
4-溴氟苯	HJ 605	%	-	76	78	110	91
二溴一氟甲烷	HJ 605	%	-	103	105	104	97
单环芳烃							
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
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND



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分析指标	方法	单位	检出限	检测结果			
实验室编号				20-00914.005	20-00914.006	20-00914.007	20-00914.008
检测类别				土壤	土壤	土壤	土壤
样品描述				褐色轻壤土	褐色轻壤土	褐色轻壤土	褐色轻壤土
收样日期				2020/12/04	2020/12/04	2020/12/04	2020/12/04
采样位置	-	-	-	涂装一线北测绿地2#	一线发电机房外北侧绿地4#	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	0-20	0-20
采样日期	-	-	-	2020/12/04	2020/12/04	2020/12/04	2020/12/04
采样时间	-	-	-	12:54-12:59	13:08-13:13	13:36-13:20	13:26-13:31
六价铬*	HJ 1082	mg/kg	0.5	ND	ND	ND	ND
铜	HJ 491	mg/kg	1	26	26	51	26
锌	HJ 491	mg/kg	1	114	97	237	150
镍	HJ 491	mg/kg	3	36	29	44	31
铅	HJ 491	mg/kg	10	30	28	35	44
汞	GB/T 22105.1	mg/kg	0.002	0.049	0.046	0.041	0.044
砷	GB/T 22105.2	mg/kg	0.1	3.8	2.9	4.3	3.8
镉	GB/T 17141	mg/kg	0.01	0.25	0.18	0.28	0.22
挥发性有机物代用品							
甲苯-d8	HJ 605	%	-	109	105	105	107
4-溴氟苯	HJ 605	%	-	81	77	87	87
二溴一氟甲烷	HJ 605	%	-	99	101	104	104
单环芳烃							
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
邻-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND



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		实验室编号	20-00914.009	
		检测类别	土壤	
		样品描述	黄褐色轻壤土	
		收样日期	2020/12/04	
分析指标	方法	单位	检出限	检测结果
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
六价铬*	HJ 1082	mg/kg	0.5	ND
铜	HJ 491	mg/kg	1	21
锌	HJ 491	mg/kg	1	118
镍	HJ 491	mg/kg	3	26
铅	HJ 491	mg/kg	10	31
汞	GB/T 22105.1	mg/kg	0.002	0.034
砷	GB/T 22105.2	mg/kg	0.1	3.2
镉	GB/T 17141	mg/kg	0.01	0.17
挥发性有机物				
代用品				
甲苯-d8	HJ 605	%	-	109
4-溴氟苯	HJ 605	%	-	77
二溴一氟甲烷	HJ 605	%	-	105
单环芳烃				
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
邻-二甲苯	HJ 605	mg/kg	0.05	ND

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. 市场监管部门投诉电话：12315。



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方法列表

- HJ 1082-2019 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
- HJ 491-2019 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
- 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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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	Varian 240FS	CHEM-002-01	EL0808-3281

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	iCE3000	CHEM-002-02	AA09191502

方法:GB/T 22105.1-2008

仪器名称	型号	仪器编号	出厂序号
原子荧光光度计	吉天 Ks12	CHEM-085-01	Ks12-181007

方法:GB/T 22105.2-2008

仪器名称	型号	仪器编号	出厂序号
原子荧光光度计	吉天 Ks12	CHEM-085-01	Ks12-181007

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	iCE3000	CHEM-002-02	AA09191502

方法:HJ 605-2011

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱联用仪带吹扫捕集	15-0000-2EC/7890A-5975C	CHEM-006-06	US17273013/CN13071013/US13122A12



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CB2004031		CB2004034	
DUP	MS	MSD	DUP
QCO20-00114.001	QCO20-00114.001	QCO20-00114.001	CQE20-00914.001
CB2004035		CB2004036	
DUP	DUP		
CQE20-00914.001	CQE20-00914.001		
CB2004051		CB2004083	
DUP	DUP	MS	
CQE20-00914.001	CQE20-00914.001	CQE20-00914.001	

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 22105.2-2008

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 22105.1-2008

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、镉、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%
镉	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%

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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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 (继续)

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS	MS	MSD %RD
						%Recovery	%Recovery	
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	0.3
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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
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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
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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



SGS-CSI Standards Technical Services Co., Ltd.
Chongqing Branch and Calibration Laboratory

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