

检测报告

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传真 -
Email -

订单号 -
样品 空白(2) 地下水(5)
项目 -

实验室信息

管理者 SGS-CSTC
实验室 环境实验室

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报告编号 TJE20-01666 R1
SGS编号 0000018164
报告日期 2020/09/16

备注

1. 结果适用于收到的样品。
2. 本报告替代报告TJE20-01666 R0，日期2020/09/08，原报告作废。

报告批准人

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SGS-CSTC Inspection & Testing Services (Tianjin) Co., Ltd.
Environment Laboratory

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Should you have any queries or objection to the test report, please contact us within 10 days after receiving the report.

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



分析指标	方法	单位	检出限	检测结果	20-01666.001 BR-W0 地下水 无色透明无异味 2020/08/24	20-01666.002 BR-W1 地下水 无色透明无异味 2020/08/24	20-01666.003 BR-W2 地下水 无色透明无异味 2020/08/24	20-01666.004 BR-W2-P 地下水 无色透明无异味 2020/08/24
挥发性有机物								
代用品								
甲苯-d8	HJ 639	%	-	93	92	93	92	
4-溴氟苯	HJ 639	%	-	107	103	108	106	
二溴一氟甲烷	HJ 639	%	-	99	105	109	104	
VOC参数								
苯	HJ 639	µg/L	0.4	ND	ND	ND	ND	
甲苯	HJ 639	µg/L	0.3	ND	ND	ND	ND	
乙苯	HJ 639	µg/L	0.3	ND	ND	ND	ND	
苯乙烯	HJ 639	µg/L	0.2	ND	ND	ND	ND	
间&对-二甲苯	HJ 639	µg/L	0.5	ND	ND	ND	ND	
邻-二甲苯	HJ 639	µg/L	0.2	ND	ND	ND	ND	
1,3,5-三甲基苯	HJ 639	µg/L	0.3	ND	ND	ND	ND	
1,2,4-三甲基苯	HJ 639	µg/L	0.3	ND	ND	ND	ND	
氯苯	HJ 639	µg/L	0.2	ND	ND	ND	ND	
1,4-二氯苯	HJ 639	µg/L	0.4	ND	ND	ND	ND	
1,2-二氯苯	HJ 639	µg/L	0.4	ND	ND	ND	ND	
1,2,4-三氯苯	HJ 639	µg/L	0.3	ND	ND	ND	ND	
1,2,3-三氯苯	HJ 639	µg/L	0.5	ND	ND	ND	ND	
半挥发性有机物								
代用品								
2-氟苯酚	USEPA 8270E	%	-	61	54	45	43	
苯酚-d6	USEPA 8270E	%	-	59	63	60	65	
硝基苯-d5	USEPA 8270E	%	-	74	55	57	65	
2-氟联苯	USEPA 8270E	%	-	57	59	68	59	
2,4,6-三溴苯酚	USEPA 8270E	%	-	67	60	86	77	
对-三联苯-d14	USEPA 8270E	%	-	100	91	90	97	
SVOC参数								
苯酚	USEPA 8270E	µg/L	0.5	ND	ND	ND	ND	
2-氯苯酚	USEPA 8270E	µg/L	0.5	ND	ND	ND	ND	
2-甲基苯酚	USEPA 8270E	µg/L	0.5	ND	ND	ND	ND	
2,4-二硝基苯酚	USEPA 8270E	µg/L	2.5	ND	ND	ND	ND	
萘	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
蒽	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
芘	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
苊	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
菲	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
蒽	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
荧蒽	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
比	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
苯并(a)蒽	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
屈	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
苯并(b)荧蒽	USEPA 8270E	µg/L	0.05	ND	ND	ND	ND	
苯并(k)荧蒽	USEPA 8270E	µg/L	0.05	ND	ND	ND	ND	
苯并(a)比	USEPA 8270E	µg/L	0.05	ND	ND	ND	ND	
茚并(1,2,3-cd)比	USEPA 8270E	µg/L	0.05	ND	ND	ND	ND	
二苯并(a,h)蒽	USEPA 8270E	µg/L	0.2	ND	ND	ND	ND	
苯并(g,h,i)花	USEPA 8270E	µg/L	0.05	ND	ND	ND	ND	
石油烃类								
可萃取性石油烃C ₁₀ -C ₄₀	HJ 894	mg/L	0.01	0.06	0.43	ND	ND	



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实验室编号 20-01666.005
 样品名称 BR-W3
 检测类别 地下水
 样品描述 无色透明无异味
 收样日期 2020/08/24

分析指标	方法	单位	检出限	检测结果
挥发性有机物				
代用品				
甲苯-d8	HJ 639	%	-	95
4-溴氟苯	HJ 639	%	-	109
VOC参数				
苯	HJ 639	µg/L	0.4	1.0
甲苯	HJ 639	µg/L	0.3	ND
乙苯	HJ 639	µg/L	0.3	1.4
苯乙烯	HJ 639	µg/L	0.2	ND
间&对-二甲苯	HJ 639	µg/L	0.5	ND
邻-二甲苯	HJ 639	µg/L	0.2	ND
1,3,5-三甲基苯	HJ 639	µg/L	0.3	ND
1,2,4-三甲基苯	HJ 639	µg/L	0.3	ND
氯苯	HJ 639	µg/L	0.2	ND
1,4-二氯苯	HJ 639	µg/L	0.4	ND
1,2-二氯苯	HJ 639	µg/L	0.4	ND
1,2,4-三氯苯	HJ 639	µg/L	0.3	ND
1,2,3-三氯苯	HJ 639	µg/L	0.5	ND
半挥发性有机物				
代用品				
2-氟苯酚	USEPA 8270E	%	-	45
苯酚-d6	USEPA 8270E	%	-	58
硝基苯-d5	USEPA 8270E	%	-	56
2-氟联苯	USEPA 8270E	%	-	75
2,4,6-三溴苯酚	USEPA 8270E	%	-	68
对-三联苯-d14	USEPA 8270E	%	-	96
SVOC参数				
苯酚	USEPA 8270E	µg/L	0.5	ND
2-氯苯酚	USEPA 8270E	µg/L	0.5	ND
2-甲基苯酚	USEPA 8270E	µg/L	0.5	ND
2,4-二硝基苯酚	USEPA 8270E	µg/L	2.5	ND
萘	USEPA 8270E	µg/L	0.2	ND
萘烯	USEPA 8270E	µg/L	0.2	ND
茚	USEPA 8270E	µg/L	0.2	ND
芴	USEPA 8270E	µg/L	0.2	ND
菲	USEPA 8270E	µg/L	0.2	ND
蒽	USEPA 8270E	µg/L	0.2	ND
荧蒽	USEPA 8270E	µg/L	0.2	ND
芘	USEPA 8270E	µg/L	0.2	ND
苯并(a)蒽	USEPA 8270E	µg/L	0.2	ND
屈	USEPA 8270E	µg/L	0.2	ND
苯并(b)荧蒽	USEPA 8270E	µg/L	0.05	ND
苯并(k)荧蒽	USEPA 8270E	µg/L	0.05	ND
苯并(a)芘	USEPA 8270E	µg/L	0.05	ND
茚并(1,2,3-cd)芘	USEPA 8270E	µg/L	0.05	ND
二苯并(a,h)蒽	USEPA 8270E	µg/L	0.2	ND
苯并(g,h,i)芘	USEPA 8270E	µg/L	0.05	ND
石油烃类				
可萃取性石油烃C ₁₀ -C ₄₀	HJ 894	mg/L	0.01	0.31



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		实验室编号	20-01666.006	20-01666.007
		样品名称	BR-FB2	BR-TB4
		检测类别	空白	空白
		样品描述	无色透明无异味	无色透明无异味
		收样日期	2020/08/24	2020/08/24
分析指标	方法	单位	检出限	检测结果
挥发性有机物				
代用品				
甲苯-d8	HJ 639	%	-	94
4-溴氟苯	HJ 639	%	-	107
二溴一氟甲烷	HJ 639	%	-	104
VOC参数				
苯	HJ 639	µg/L	0.4	ND
甲苯	HJ 639	µg/L	0.3	ND
乙苯	HJ 639	µg/L	0.3	ND
苯乙烯	HJ 639	µg/L	0.2	ND
间&对-二甲苯	HJ 639	µg/L	0.5	ND
邻-二甲苯	HJ 639	µg/L	0.2	ND
1,3,5-三甲基苯	HJ 639	µg/L	0.3	ND
1,2,4-三甲基苯	HJ 639	µg/L	0.3	ND
氯苯	HJ 639	µg/L	0.2	ND
1,4-二氯苯	HJ 639	µg/L	0.4	ND
1,2-二氯苯	HJ 639	µg/L	0.4	ND
1,2,4-三氯苯	HJ 639	µg/L	0.3	ND
1,2,3-三氯苯	HJ 639	µg/L	0.5	ND
半挥发性有机物				
代用品				
2-氟苯酚	USEPA 8270E	%	-	55
苯酚-d6	USEPA 8270E	%	-	55
硝基苯-d5	USEPA 8270E	%	-	58
2-氟联苯	USEPA 8270E	%	-	56
2,4,6-三溴苯酚	USEPA 8270E	%	-	55
对-三联苯-d14	USEPA 8270E	%	-	83
SVOC参数				
苯酚	USEPA 8270E	µg/L	0.5	ND
2-氯苯酚	USEPA 8270E	µg/L	0.5	ND
2-甲基苯酚	USEPA 8270E	µg/L	0.5	ND
2,4-二硝基苯酚	USEPA 8270E	µg/L	2.5	ND
萘	USEPA 8270E	µg/L	0.2	ND
蒽	USEPA 8270E	µg/L	0.2	ND
芘	USEPA 8270E	µg/L	0.2	ND
菲	USEPA 8270E	µg/L	0.2	ND
蒽	USEPA 8270E	µg/L	0.2	ND
荧蒽	USEPA 8270E	µg/L	0.2	ND
苝	USEPA 8270E	µg/L	0.2	ND
苯并(a)蒽	USEPA 8270E	µg/L	0.2	ND
屈	USEPA 8270E	µg/L	0.2	ND
苯并(b)荧蒽	USEPA 8270E	µg/L	0.05	ND
苯并(k)荧蒽	USEPA 8270E	µg/L	0.05	ND
苯并(a)苝	USEPA 8270E	µg/L	0.05	ND
茚并(1,2,3-cd)苝	USEPA 8270E	µg/L	0.05	ND
二苯并(a,h)蒽	USEPA 8270E	µg/L	0.2	ND
苯并(g,h,i)花	USEPA 8270E	µg/L	0.05	ND
石油烃类				
可萃取性石油烃C ₁₀ -C ₄₀	HJ 894	mg/L	0.01	ND



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方法列表

- 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
- USEPA 8270E-2018 不同介质中半挥发性有机物的测定 气相色谱-质谱法
- HJ 894-2017 水质 可萃取性石油烃C10-C40的测定 气相色谱法



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方法:HJ 639-2012

仪器名称	型号	仪器编号	出厂序号
吹扫捕集气相色谱仪	ATOMX 15-0000-2EC/7890B/5977B	CHEM-017-I	US16106003/CN16203097/US1619M023

方法:USEPA 8270E-2018

仪器名称	型号	仪器编号	出厂序号
气相色谱质谱仪	7890B/5977B	CHEM-017-J	CN16403006/US1640M041
气相色谱质谱仪	7890B/5977B	CHEM-017-K	CN16423077/US1645M012

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(双通道)	7890B	CHEM-033-D	CN16413009



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TB2006630			TB2006981		
DUP	MS	MSD	DUP	MS	MSD
TJE20-01606.001	TJE20-01606.001	TJE20-01606.001	QCO20-00208.001	QCO20-00208.001	QCO20-00208.001

TB2007074		
DUP	MS	MSD
QCO20-00213.001	QCO20-00213.001	QCO20-00213.001

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。

不同介质中半挥发性有机物的测定 气相色谱-质谱法 方法: USEPA 8270E-2018

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS %Recovery	MS %Recovery	MSD %RD
2-氟苯酚	TB2006981	%	-	44%	7%	50%	38%	4%
苯酚-d6	TB2006981	%	-	53%	9%	54%	39%	1%
硝基苯-d5	TB2006981	%	-	48%	4%	49%	48%	13%
2-氟联苯	TB2006981	%	-	58%	6%	60%	42%	4%
2,4,6-三溴苯酚	TB2006981	%	-	77%	1%	82%	76%	1%
对-三联苯-d14	TB2006981	%	-	81%	3%	89%	99%	7%
苯酚	TB2006981	µg/L	0.5	<0.5	0%	56%	51%	5%
2-氯苯酚	TB2006981	µg/L	0.5	<0.5	0%	60%	51%	9%
2-甲基苯酚	TB2006981	µg/L	0.5	<0.5	0%	39%	NA	NA
2,4-二硝基苯酚	TB2006981	µg/L	2.5	<2.5	0%	42%	NA	NA
萘	TB2006981	µg/L	0.2	<0.2	0%	66%	NA	NA
萘烯	TB2006981	µg/L	0.2	<0.2	0%	80%	NA	NA
萘	TB2006981	µg/L	0.2	<0.2	0%	78%	51%	4%
芴	TB2006981	µg/L	0.2	<0.2	0%	73%	NA	NA
菲	TB2006981	µg/L	0.2	<0.2	0%	85%	NA	NA
蒽	TB2006981	µg/L	0.2	<0.2	0%	86%	NA	NA
荧蒽	TB2006981	µg/L	0.2	<0.2	0%	91%	NA	NA
芘	TB2006981	µg/L	0.2	<0.2	0%	88%	91%	0%
苯并(a)蒽	TB2006981	µg/L	0.2	<0.2	0%	89%	NA	NA
屈	TB2006981	µg/L	0.2	<0.2	0%	91%	NA	NA
苯并(b)荧蒽	TB2006981	µg/L	0.05	<0.05	0%	100%	NA	NA
苯并(k)荧蒽	TB2006981	µg/L	0.05	<0.05	0%	95%	NA	NA
苯并(a)芘	TB2006981	µg/L	0.05	<0.05	0%	90%	NA	NA
茚并(1,2,3-cd)芘	TB2006981	µg/L	0.05	<0.05	0%	78%	NA	NA
二苯并(a,h)蒽	TB2006981	µg/L	0.2	<0.2	0%	75%	NA	NA
苯并(g,h,i)芘	TB2006981	µg/L	0.05	<0.05	0%	76%	NA	NA

水质 可萃取性石油烃C10-C40的测定 气相色谱法 方法: HJ 894-2017



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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。

水质 可萃取性石油烃C10-C40的测定 气相色谱法 方法: HJ 894-2017 (继续)

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS %Recovery	MS %Recovery	MSD %RD
可萃取性石油烃C ₁₀ -C ₄₀	TB2006630	mg/L	0.01	<0.01	3%	100%	114%	1%

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

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS %Recovery	MS %Recovery	MSD %RD
甲苯-d8	TB2007074	%	-	100%	3%	103%	98%	2%
4-溴氟苯	TB2007074	%	-	117%	4%	96%	110%	1%
二溴一氟甲烷	TB2007074	%	-	121%	5%	88%	102%	4%
苯	TB2007074	µg/L	0.4	<0.4	0%	112%	121%	4%
甲苯	TB2007074	µg/L	0.3	<0.3	0%	112%	109%	1%
乙苯	TB2007074	µg/L	0.3	<0.3	0%	113%	108%	3%
苯乙烯	TB2007074	µg/L	0.2	<0.2	0%	117%	123%	4%
间&对-二甲苯	TB2007074	µg/L	0.5	<0.5	0%	112%	112%	3%
邻-二甲苯	TB2007074	µg/L	0.2	<0.2	0%	115%	114%	1%
1,3,5-三甲基苯	TB2007074	µg/L	0.3	<0.3	0%	117%	116%	1%
1,2,4-三甲基苯	TB2007074	µg/L	0.3	<0.3	0%	118%	116%	4%
氯苯	TB2007074	µg/L	0.2	<0.2	0%	113%	115%	3%
1,4-二氯苯	TB2007074	µg/L	0.4	<0.4	0%	116%	104%	2%
1,2-二氯苯	TB2007074	µg/L	0.4	<0.4	0%	116%	104%	4%
1,2,4-三氯苯	TB2007074	µg/L	0.3	<0.3	0%	114%	109%	3%
1,2,3-三氯苯	TB2007074	µg/L	0.5	<0.5	0%	111%	118%	0%

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