

检测报告

客户信息

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订单号 -
样品 土样(12)
项目 -

实验室信息

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报告编号 TJE19-01776 R0
SGS编号 0000013239
报告日期 2019/11/29

备注

1. 结果适用于收到的样品。

报告批准人

田得丽

田得丽
报告编制

孙莹

孙莹
审核

莫铭超

莫铭超
批准人



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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	19-01776.001	19-01776.002	19-01776.003	19-01776.004
				样品名称	BH-01-S1	BH-01-S2	BH-02-S1 0.8-1M	BH-02-S1-P0
				样品性状	0.6-0.8M	1.6-1.8M	土样	0.8-1M
				样品描述	土样	土样	黄褐色	土样
				收样日期	褐灰色	褐色	2019/11/21	黄褐色
					2019/11/21	2019/11/21		2019/11/21
分析指标	方法	单位	检出限					
样品干重	HJ 613	%	-	77.2	78.9	78.2	78.5	
pH	NY/T 1121.2	-	-	8.6	8.8	8.5	8.6	
挥发性有机物 代用品								
甲苯-d8	HJ 605	%	-	96	97	98	95	
4-溴氟苯	HJ 605	%	-	99	104	104	100	
二溴一氟甲烷	HJ 605	%	-	91	91	95	93	
VOC参数								
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	
异丙基苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2,4-三甲苯	HJ 605	mg/kg	0.05	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	
半挥发性有机物 代用品								
2-氟苯酚	HJ 834	%	-	75	89	90	88	
苯酚-d6	HJ 834	%	-	74	73	85	77	
硝基苯-d5	HJ 834	%	-	75	85	97	97	
2-氟联苯	HJ 834	%	-	76	79	90	87	
2,4,6-三溴苯酚	HJ 834	%	-	93	97	100	99	
对-三联苯-d14	HJ 834	%	-	96	91	81	84	
SVOC参数								
萘	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
萘烯	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
茚	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
芴	HJ 834	mg/kg	0.08	ND	ND	ND	ND	
菲	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
荧蒽	HJ 834	mg/kg	0.2	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	
苯并(g,h,i)芘	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
邻苯二甲酸二丁酯	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
邻苯二甲酸丁苄酯	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
邻苯二甲酸二(2-乙基己)酯	HJ 834	mg/kg	0.5	ND	ND	ND	ND	
邻苯二甲酸二正辛酯	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
二苯胺&N-亚硝基二苯胺	USEPA 8270E	mg/kg	0.1	ND	ND	ND	ND	
石油烃类								
石油烃 (C10-C40)	HJ 1021	mg/kg	6	19	12	400	463	



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				实验室编号	19-01776.005	19-01776.006	19-01776.007	19-01776.008
				样品名称	BH-02-S2	BH-03-S1 0.7-1M	BH-03-S2	BH-04-S1 0.8-1M
				样品性状	1.7-1.9M	土样	1.7-2.0M	土样
				样品描述	土样	黄褐色	土样	杂色
				收样日期	黄褐色	2019/11/21	黄褐色	2019/11/21
				2019/11/21	2019/11/21	2019/11/21		
分析指标	方法	单位	检出限					
样品干重	HJ 613	%	-	76.3	78.2	71.7	74.0	
pH	NY/T 1121.2	-	-	8.8	8.7	8.6	8.5	
挥发性有机物 代用品								
甲苯-d8	HJ 605	%	-	98	97	98	98	
4-溴氟苯	HJ 605	%	-	101	101	103	100	
二溴一氟甲烷	HJ 605	%	-	97	98	95	98	
VOC参数								
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	
异丙基苯	HJ 605	mg/kg	0.05	ND	ND	ND	ND	
1,2,4-三甲苯	HJ 605	mg/kg	0.05	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	
半挥发性有机物 代用品								
2-氟苯酚	HJ 834	%	-	101	78	87	71	
苯酚-d6	HJ 834	%	-	82	94	80	91	
硝基苯-d5	HJ 834	%	-	108	80	94	79	
2-氟联苯	HJ 834	%	-	91	79	88	82	
2,4,6-三溴苯酚	HJ 834	%	-	107	102	85	86	
对-三联苯-d14	HJ 834	%	-	102	97	109	101	
SVOC参数								
苯	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
萘	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
芘	HJ 834	mg/kg	0.08	ND	ND	ND	ND	
菲	HJ 834	mg/kg	0.1	ND	ND	ND	0.8	
蒽	HJ 834	mg/kg	0.1	ND	ND	ND	0.2	
荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	1.4	
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	0.9	
屈	HJ 834	mg/kg	0.1	ND	ND	ND	0.8	
苯并(b)荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	1.4	
苯并(k)荧蒽	HJ 834	mg/kg	0.1	ND	ND	ND	0.4	
苯并(a)芘	HJ 834	mg/kg	0.1	ND	ND	ND	0.7	
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	ND	ND	ND	0.3	
二苯并(a,h)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
苯并(g,h,i)花	HJ 834	mg/kg	0.1	ND	ND	ND	0.2	
邻苯二甲酸二丁酯	HJ 834	mg/kg	0.1	ND	ND	ND	ND	
邻苯二甲酸丁苄酯	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
邻苯二甲酸二(2-乙基己)酯	HJ 834	mg/kg	0.5	ND	ND	ND	ND	
邻苯二甲酸二正辛酯	HJ 834	mg/kg	0.2	ND	ND	ND	ND	
二苯胺&N-亚硝基二苯胺	USEPA 8270E	mg/kg	0.1	ND	ND	ND	ND	
石油烃类								
石油烃 (C10-C40)	HJ 1021	mg/kg	6	ND	22	88	123	



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分析指标				方法	单位	检出限	19-01776.009 BH-04-S2 1.7-2M 土样 黄褐色 2019/11/21	19-01776.010 BH-DZ-S1 0.6-0.8M 土样 杂色 2019/11/21	19-01776.011 BH-DZ-S2 1.8-2M 土样 黄褐色 2019/11/21	19-01776.012 BH-S-B(空白) 土样 - 2019/11/21
样品干重	HJ 613	%	-				78.2	79.9	75.2	-
pH	NY/T 1121.2	-	-				8.6	9.1	8.7	-
挥发性有机物 代用品										
甲苯-d8	HJ 605	%	-				97	99	99	96
4-溴氟苯	HJ 605	%	-				100	102	101	100
二溴一氟甲烷	HJ 605	%	-				96	99	103	86
VOC参数										
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
异丙基苯	HJ 605	mg/kg	0.05				ND	ND	ND	ND
1,2,4-三甲苯	HJ 605	mg/kg	0.05				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
半挥发性有机物 代用品										
2-氟苯酚	HJ 834	%	-				87	83	80	-
苯酚-d6	HJ 834	%	-				73	75	71	-
硝基苯-d5	HJ 834	%	-				85	92	78	-
2-氟联苯	HJ 834	%	-				82	84	82	-
2,4,6-三溴苯酚	HJ 834	%	-				105	109	92	-
对-三联苯-d14	HJ 834	%	-				95	88	100	-
SVOC参数										
苯	HJ 834	mg/kg	0.09				ND	ND	ND	-
萘	HJ 834	mg/kg	0.09				ND	ND	ND	-
蒽	HJ 834	mg/kg	0.1				ND	ND	ND	-
芘	HJ 834	mg/kg	0.08				ND	ND	ND	-
菲	HJ 834	mg/kg	0.1				ND	ND	ND	-
蒽	HJ 834	mg/kg	0.1				ND	ND	ND	-
荧蒽	HJ 834	mg/kg	0.2				ND	ND	ND	-
苯并(a)蒽	HJ 834	mg/kg	0.1				0.2	ND	ND	-
屈	HJ 834	mg/kg	0.1				0.2	ND	ND	-
苯并(b)蒽	HJ 834	mg/kg	0.2				ND	ND	ND	-
苯并(k)蒽	HJ 834	mg/kg	0.1				ND	ND	ND	-
苯并(a)芘	HJ 834	mg/kg	0.1				0.1	ND	ND	-
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1				ND	ND	ND	-
二苯并(a,h)蒽	HJ 834	mg/kg	0.1				ND	ND	ND	-
苯并(g,h,i)芘	HJ 834	mg/kg	0.1				ND	ND	ND	-
邻苯二甲酸二丁酯	HJ 834	mg/kg	0.1				ND	ND	ND	-
邻苯二甲酸丁苄酯	HJ 834	mg/kg	0.2				ND	ND	ND	-
邻苯二甲酸二(2-乙基己)酯	HJ 834	mg/kg	0.5				ND	ND	ND	-
邻苯二甲酸二正辛酯	HJ 834	mg/kg	0.2				ND	ND	ND	-
二苯胺&N-亚硝基二苯胺	USEPA 8270E	mg/kg	0.1				ND	ND	ND	-
石油烃类										
石油烃 (C10-C40)	HJ 1021	mg/kg	6				25	23	19	-



备注：

应客户要求添加如下信息，SGS不承担证实客户提供信息的真实性的责任。

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方法列表

HJ 613-2011 土壤 干物质和水分的测定 重量法
NY/T 1121.2-2006 土壤检测 第2部分：土壤pH的测定
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
USEPA 8270E-2018 半挥发性有机物 气相色谱-质谱法
HJ 1021-2019 土壤和沉积物 石油烃 (C10-C40)的测定 气相色谱法



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方法:HJ 613-2011

仪器名称	型号	仪器编号	出厂序号
电子天平	ME802	CHEM-012-M	B709778581

方法:NY/T 1121.2-2006

仪器名称	型号	仪器编号	出厂序号
pH计	S20	CHEM-007-C	1230445570

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	ATOMX XYZ/7890B/5977B	CHEM-017-P	US18110003/CN18183146/US1818M027

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	7890B/5977B	CHEM-017-J	CN16403006/US1640M041

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

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 (双通道)	7890B	CHEM-033-D	CN16413009



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TB1907554			TB1907561
DUP	MS	MSD	DUP
TJE19-01776.011	TJE19-01776.011	TJE19-01776.011	TJE19-01776.011
TB1907568			TB1907574
DUP	MS	MSD	DUP
TJE19-01776.012	TJE19-01776.012	TJE19-01776.012	TJE19-01776.001
TB1907625			
DUP	MS	MSD	
TJE19-01776.011	TJE19-01776.011	TJE19-01776.011	

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。

半挥发性有机物 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
二苯胺&N-亚硝基二苯胺	TB1907561	mg/kg	0.1	<0.1	0%	105%

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

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS %Recovery	MS %Recovery	MSD %RD
石油烃 (C10-C40)	TB1907625	mg/kg	6	<6	4%	95%	113%	2%

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

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	TB1907554	%	-	104%	0%	92%	83%	1%
苯酚-d6	TB1907554	%	-	88%	14%	92%	85%	2%
硝基苯-d5	TB1907554	%	-	94%	1%	99%	94%	2%
2-氟联苯	TB1907554	%	-	87%	1%	96%	84%	1%
2,4,6-三溴苯酚	TB1907554	%	-	98%	8%	99%	102%	9%
对-三联苯-d14	TB1907554	%	-	110%	2%	112%	95%	2%
萘	TB1907554	mg/kg	0.09	<0.09	0%	98%	92%	1%
萘烯	TB1907554	mg/kg	0.09	<0.09	0%	96%	98%	1%
萘	TB1907554	mg/kg	0.1	<0.1	0%	103%	99%	4%
芴	TB1907554	mg/kg	0.08	<0.08	0%	99%	104%	12%
菲	TB1907554	mg/kg	0.1	<0.1	0%	112%	118%	12%
蒽	TB1907554	mg/kg	0.1	<0.1	0%	90%	104%	2%
荧蒽	TB1907554	mg/kg	0.2	<0.2	0%	101%	110%	10%
苯并(a)蒽	TB1907554	mg/kg	0.1	<0.1	0%	105%	88%	5%
屈	TB1907554	mg/kg	0.1	<0.1	0%	107%	89%	3%
苯并(b)荧蒽	TB1907554	mg/kg	0.2	<0.2	0%	106%	85%	7%
苯并(k)荧蒽	TB1907554	mg/kg	0.1	<0.1	0%	89%	94%	2%
苯并(a)芘	TB1907554	mg/kg	0.1	<0.1	0%	90%	88%	1%



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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。

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

分析指标	QC批号	单位	检出限	MB	DUP %RD	LCS %Recovery	MS %Recovery	MSD %RD
茚并(1,2,3-cd)芘	TB1907554	mg/kg	0.1	<0.1	0%	99%	84%	8%
二苯并(a,h)蒽	TB1907554	mg/kg	0.1	<0.1	0%	99%	87%	3%
苯并(g,h,i)芘	TB1907554	mg/kg	0.1	<0.1	0%	93%	82%	2%
邻苯二甲酸二丁酯	TB1907554	mg/kg	0.1	<0.1	0%	105%	98%	3%
邻苯二甲酸丁苄酯	TB1907554	mg/kg	0.2	<0.2	0%	107%	96%	1%
邻苯二甲酸二(2-乙基己)酯	TB1907554	mg/kg	0.5	<0.5	0%	114%	94%	3%
邻苯二甲酸二正辛酯	TB1907554	mg/kg	0.2	<0.2	0%	103%	94%	0%

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	TB1907568	%	-	95%	2%	97%	114%	6%
4-溴氟苯	TB1907568	%	-	98%	0%	105%	99%	8%
二溴一氟甲烷	TB1907568	%	-	83%	3%	100%	113%	3%
苯	TB1907568	mg/kg	0.05	<0.05	0%	128%	111%	1%
甲苯	TB1907568	mg/kg	0.05	<0.05	0%	105%	113%	2%
乙苯	TB1907568	mg/kg	0.05	<0.05	0%	99%	NA	NA
间&对-二甲苯	TB1907568	mg/kg	0.05	<0.05	0%	104%	NA	NA
苯乙烯	TB1907568	mg/kg	0.05	<0.05	0%	102%	NA	NA
邻-二甲苯	TB1907568	mg/kg	0.05	<0.05	0%	101%	NA	NA
异丙基苯	TB1907568	mg/kg	0.05	<0.05	0%	99%	NA	NA
1,2,4-三甲苯	TB1907568	mg/kg	0.05	<0.05	0%	104%	NA	NA
氯苯	TB1907568	mg/kg	0.05	<0.05	0%	102%	73%	5%
1,4-二氯苯	TB1907568	mg/kg	0.05	<0.05	0%	98%	NA	NA
1,2-二氯苯	TB1907568	mg/kg	0.05	<0.05	0%	94%	NA	NA

土壤检测 第2部分：土壤pH的测定 方法: NY/T 1121.2-2006

分析指标	QC批号	单位	检出限	DUP %RD
pH	TB1907574	-	-	0%

*** 以下空白 ***



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