

检测报告

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订单号 -
样品 土样(26)
项目 -

实验室信息

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报告编号 TJE19-01858 R0
SGS编号 0000013358
报告日期 2019/12/04

备注

1. 结果适用于收到的样品。

报告批准人

冯天姝

报告编制

孙莹

审核

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	19-01858.001	19-01858.002	19-01858.003	19-01858.004
				样品名称	TJ-DZ-S1	TJ-DZ-S2 1.8-2M	TJ-DZ-S3 3.8-4M	TJ-1-S1 0.3-0.5M
				样品性状	0.3-0.5M	土样	土样	土样
				样品描述	土样	褐灰色	灰色	黄褐色
				收样日期	2019/11/27	2019/11/27	2019/11/27	2019/11/27
分析指标	方法	单位	检出限					
样品干重	HJ 613	%	-	79.7	74.3	72.3	72.7	
pH	NY/T 1121.2	-	-	8.4	8.5	8.4	8.5	
挥发性有机物 代用品								
甲苯-d8	HJ 605	%	-	116	114	122	126	
4-溴氟苯	HJ 605	%	-	117	111	113	120	
二溴一氟甲烷	HJ 605	%	-	117	127	106	125	
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	%	-	73	68	64	68	
苯酚-d6	HJ 834	%	-	80	62	72	75	
硝基苯-d5	HJ 834	%	-	72	73	78	67	
2-氟联苯	HJ 834	%	-	85	74	68	64	
2,4,6-三溴苯酚	HJ 834	%	-	91	77	75	75	
对-三联苯-d14	HJ 834	%	-	102	74	69	85	
SVOC参数								
苯	HJ 834	mg/kg	0.09	0.21	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	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)花	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	88	12	16	26	



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分析指标				方法	单位	检出限	19-01858.005 TJ-1-S2 1.3-1.5M 土样 黄褐色 2019/11/27	19-01858.006 TJ-3-S1 0.3-0.5M 土样 褐灰色 2019/11/27	19-01858.007 TJ-3-S2 1.3-1.5M 土样 黄灰色 2019/11/27	19-01858.008 TJ-3-S1-P 0.3-0.5M 土样 褐灰色 2019/11/27
样品干重	HJ 613	%	-				78.6	78.3	77.3	79.5
pH	NY/T 1121.2	-	-				8.6	8.1	8.2	8.1
挥发性有机物 代用品										
甲苯-d8	HJ 605	%	-				110	117	117	120
4-溴氟苯	HJ 605	%	-				118	102	107	99
二溴一氟甲烷	HJ 605	%	-				115	124	125	117
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	%	-				61	66	62	64
苯酚-d6	HJ 834	%	-				61	65	63	74
硝基苯-d5	HJ 834	%	-				74	71	66	64
2-氟联苯	HJ 834	%	-				72	78	77	71
2,4,6-三溴苯酚	HJ 834	%	-				81	95	91	89
对-三联苯-d14	HJ 834	%	-				94	88	98	102
SVOC参数										
苯	HJ 834	mg/kg	0.09				ND	0.43	ND	0.41
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	0.14	0.13	0.15
菲	HJ 834	mg/kg	0.1				ND	0.7	1.0	0.8
蒽	HJ 834	mg/kg	0.1				ND	ND	0.2	ND
荧蒽	HJ 834	mg/kg	0.2				ND	0.3	1.2	0.3
苯并(a)蒽	HJ 834	mg/kg	0.1				ND	0.2	0.5	0.2
屈	HJ 834	mg/kg	0.1				ND	0.3	0.4	0.3
苯并(b)蒽	HJ 834	mg/kg	0.2				ND	0.5	0.4	0.4
苯并(k)蒽	HJ 834	mg/kg	0.1				ND	ND	0.1	ND
苯并(a)芘	HJ 834	mg/kg	0.1				ND	0.1	0.2	0.1
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				92	182	89	114



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分析指标				方法	单位	检出限	19-01858.009 TJ-5-S1 0.3-0.5M 土样 褐灰色 2019/11/27	19-01858.010 TJ-5-S2 1-1.2M 土样 灰 2019/11/27	19-01858.011 TJ-8-S1 0.3-0.5M 土样 褐灰色 2019/11/27	19-01858.012 TJ-8-S2 1-1.2M 土样 褐灰色 2019/11/27
样品干重	HJ 613	%	-				75.6	77.5	80.4	82.1
pH	NY/T 1121.2	-	-				9.1	8.6	8.6	8.6
挥发性有机物 代用品										
甲苯-d8	HJ 605	%	-				121	118	116	114
4-溴氟苯	HJ 605	%	-				107	96	108	101
二溴一氟甲烷	HJ 605	%	-				127	120	128	124
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	%	-				67	66	67	67
苯酚-d6	HJ 834	%	-				63	86	79	89
硝基苯-d5	HJ 834	%	-				72	77	66	72
2-氟联苯	HJ 834	%	-				61	80	77	84
2,4,6-三溴苯酚	HJ 834	%	-				88	102	96	96
对-三联苯-d14	HJ 834	%	-				85	89	109	97
SVOC参数										
苯	HJ 834	mg/kg	0.09				ND	0.28	0.13	0.13
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	0.3	0.1	0.1
蒽	HJ 834	mg/kg	0.1				ND	ND	ND	ND
荧蒽	HJ 834	mg/kg	0.2				ND	0.2	ND	ND
苯并(a)蒽	HJ 834	mg/kg	0.1				ND	0.1	ND	ND
屈	HJ 834	mg/kg	0.1				ND	0.2	ND	0.2
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)花	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				12	680	579	542



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				实验室编号	19-01858.013	19-01858.014	19-01858.015	19-01858.016
				样品名称	TJ-12-S1	TJ-12-S2 0.8-1M	TJ-11-S1	TJ-11-S2 2.8-3M
				样品性状	0.3-0.5M	土样	0.3-0.5M	土样
				样品描述	土样	褐灰	土样	黑褐色
				收样日期	褐色	2019/11/27	褐灰色	2019/11/27
分析指标	方法	单位	检出限					
样品干重	HJ 613	%	-	74.2	75.0	78.4	75.9	
pH	NY/T 1121.2	-	-	8.8	8.6	8.3	8.7	
挥发性有机物 代用品								
甲苯-d8	HJ 605	%	-	106	115	115	113	
4-溴氟苯	HJ 605	%	-	106	112	104	116	
二溴一氟甲烷	HJ 605	%	-	115	114	113	116	
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	0.14	
间&对-二甲苯	HJ 605	mg/kg	0.05	ND	ND	ND	0.15	
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	0.25	
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	%	-	71	66	66	68	
苯酚-d6	HJ 834	%	-	81	75	62	76	
硝基苯-d5	HJ 834	%	-	85	70	66	79	
2-氟联苯	HJ 834	%	-	91	80	79	82	
2,4,6-三溴苯酚	HJ 834	%	-	91	100	97	100	
对-三联苯-d14	HJ 834	%	-	87	87	97	116	
SVOC参数								
苯	HJ 834	mg/kg	0.09	0.50	0.42	0.44	0.36	
萘	HJ 834	mg/kg	0.09	0.27	0.33	ND	0.11	
蒽	HJ 834	mg/kg	0.1	0.4	0.1	ND	0.2	
芘	HJ 834	mg/kg	0.08	0.19	0.15	ND	0.37	
菲	HJ 834	mg/kg	0.1	1.4	0.8	0.2	1.4	
蒽	HJ 834	mg/kg	0.1	0.4	0.2	ND	0.2	
荧蒽	HJ 834	mg/kg	0.2	1.1	0.5	ND	ND	
苯并(a)蒽	HJ 834	mg/kg	0.1	1.1	0.6	ND	ND	
屈	HJ 834	mg/kg	0.1	1.5	0.8	ND	0.5	
苯并(b)荧蒽	HJ 834	mg/kg	0.2	1.3	1.0	ND	ND	
苯并(k)荧蒽	HJ 834	mg/kg	0.1	0.3	0.2	ND	ND	
苯并(a)芘	HJ 834	mg/kg	0.1	1.0	0.9	ND	ND	
茚并(1,2,3-cd)芘	HJ 834	mg/kg	0.1	0.2	0.2	ND	ND	
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	0.2	0.2	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	0.3	ND	1.8	
石油烃类								
石油烃 (C10-C40)	HJ 1021	mg/kg	6	336	214	434	3.89 X 10 ³	



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				实验室编号	19-01858.017	19-01858.018	19-01858.019	19-01858.020
				样品名称	TJ-4-1-S1	TJ-4-1-S2	TJ-6-S1 0.3-0.5M	TJ-6-S2 1.3-1.5M
				样品性状	0.3-0.5M	0.9-1.1M	土样	土样
				样品描述	土样	土样	褐色	褐黄色
				收样日期	褐色	褐色	2019/11/27	2019/11/27
					2019/11/27	2019/11/27		
分析指标	方法	单位	检出限					
样品干重	HJ 613	%	-	78.0	77.6	74.4	74.4	
pH	NY/T 1121.2	-	-	8.3	8.5	8.5	8.5	
挥发性有机物 代用品								
甲苯-d8	HJ 605	%	-	115	121	118	105	
4-溴氟苯	HJ 605	%	-	107	112	106	119	
二溴一氟甲烷	HJ 605	%	-	71	82	72	106	
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	%	-	61	68	72	84	
苯酚-d6	HJ 834	%	-	74	80	84	91	
硝基苯-d5	HJ 834	%	-	66	77	88	84	
2-氟联苯	HJ 834	%	-	72	78	98	88	
2,4,6-三溴苯酚	HJ 834	%	-	85	92	97	110	
对-三联苯-d14	HJ 834	%	-	93	99	89	102	
SVOC参数								
苯	HJ 834	mg/kg	0.09	0.52	0.13	0.20	0.76	
萘烯	HJ 834	mg/kg	0.09	ND	ND	ND	ND	
萘	HJ 834	mg/kg	0.1	ND	ND	ND	0.5	
芴	HJ 834	mg/kg	0.08	ND	ND	ND	0.63	
菲	HJ 834	mg/kg	0.1	0.2	ND	ND	5.4	
蒽	HJ 834	mg/kg	0.1	ND	ND	ND	1.2	
荧蒽	HJ 834	mg/kg	0.2	ND	ND	ND	0.6	
苯并(a)蒽	HJ 834	mg/kg	0.1	ND	ND	ND	1.0	
屈	HJ 834	mg/kg	0.1	0.1	ND	ND	1.7	
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)花	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	1.3	
石油烃类								
石油烃 (C10-C40)	HJ 1021	mg/kg	6	166	26	952	2.69 X 10 ³	



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分析指标				方法	单位	检出限	19-01858.021 TJ-7-S1 0.3-0.5M 土样 褐色 2019/11/27	19-01858.022 TJ-7-S1-P 0.3-0.5M 土样 褐色 2019/11/27	19-01858.023 TJ-7-S2 1.3-1.5M 土样 褐色 2019/11/27	19-01858.024 TJ-2-S1 0.3-0.5M 土样 褐色 2019/11/27
样品干重	HJ 613	%	-				83.6	80.7	79.8	80.2
pH	NY/T 1121.2	-	-				9.7	9.7	9.6	8.1
挥发性有机物 代用品										
甲苯-d8	HJ 605	%	-				117	120	118	110
4-溴氟苯	HJ 605	%	-				106	102	102	110
二溴一氟甲烷	HJ 605	%	-				119	119	115	113
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	%	-				67	64	62	68
苯酚-d6	HJ 834	%	-				79	71	67	62
硝基苯-d5	HJ 834	%	-				79	72	65	64
2-氟联苯	HJ 834	%	-				71	72	63	64
2,4,6-三溴苯酚	HJ 834	%	-				83	88	79	74
对-三联苯-d14	HJ 834	%	-				89	106	82	79
SVOC参数										
苯	HJ 834	mg/kg	0.09				ND	ND	ND	0.88
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	0.1
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)蒽	HJ 834	mg/kg	0.2				ND	ND	ND	ND
苯并(k)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)花	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				44	33	27	76



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分析指标		方法	单位	检出限	实验室编号	样品名称	样品性状	样品描述	收样日期
					19-01858.025	TJ-2-S2 1.8-2M	土样	褐黄色	2019/11/27
					19-01858.026	空白样	土样	-	2019/11/27
样品干重		HJ 613	%	-	75.3	-	-	-	-
pH		NY/T 1121.2	-	-	8.4	-	-	-	-
挥发性有机物 代用品									
甲苯-d8		HJ 605	%	-	117	124	-	-	-
4-溴氟苯		HJ 605	%	-	109	91	-	-	-
二溴一氟甲烷		HJ 605	%	-	112	102	-	-	-
VOC参数									
苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
甲苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
乙苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
间&对-二甲苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
苯乙烯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
邻-二甲苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
异丙基苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
1,2,4-三甲苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
氯苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
1,4-二氯苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
1,2-二氯苯		HJ 605	mg/kg	0.05	ND	ND	-	-	-
半挥发性有机物 代用品									
2-氟苯酚		HJ 834	%	-	67	-	-	-	-
苯酚-d6		HJ 834	%	-	75	-	-	-	-
硝基苯-d5		HJ 834	%	-	78	-	-	-	-
2-氟联苯		HJ 834	%	-	77	-	-	-	-
2,4,6-三溴苯酚		HJ 834	%	-	87	-	-	-	-
对-三联苯-d14		HJ 834	%	-	87	-	-	-	-
SVOC参数									
苯		HJ 834	mg/kg	0.09	0.18	-	-	-	-
萘		HJ 834	mg/kg	0.09	ND	-	-	-	-
蒽		HJ 834	mg/kg	0.1	ND	-	-	-	-
芘		HJ 834	mg/kg	0.08	ND	-	-	-	-
菲		HJ 834	mg/kg	0.1	0.2	-	-	-	-
蒽		HJ 834	mg/kg	0.1	ND	-	-	-	-
荧蒽		HJ 834	mg/kg	0.2	ND	-	-	-	-
苯并(a)蒽		HJ 834	mg/kg	0.1	ND	-	-	-	-
屈		HJ 834	mg/kg	0.1	ND	-	-	-	-
苯并(b)蒽		HJ 834	mg/kg	0.2	ND	-	-	-	-
苯并(k)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	-	-	-	-
苯并(g,h,i)花		HJ 834	mg/kg	0.1	ND	-	-	-	-
邻苯二甲酸二丁酯		HJ 834	mg/kg	0.1	ND	-	-	-	-
邻苯二甲酸丁苄酯		HJ 834	mg/kg	0.2	ND	-	-	-	-
邻苯二甲酸二(2-乙基己)酯		HJ 834	mg/kg	0.5	ND	-	-	-	-
邻苯二甲酸二正辛酯		HJ 834	mg/kg	0.2	ND	-	-	-	-
二苯胺&N-亚硝基二苯胺		USEPA 8270E	mg/kg	0.1	ND	-	-	-	-
石油烃类									
石油烃 (C10-C40)		HJ 1021	mg/kg	6	15	-	-	-	-



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项目名称：中石化润滑油天津分公司场调项目



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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 15-0000-2EC/7890B/5977B	CHEM-017-I	US16106003/CN16203097/US1619M023

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
气相色谱质谱仪	7890B/5977B	CHEM-017-Q	CN18223057/US1820M025

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-Q	CN18223057/US1820M025

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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TB1907813	TB1907815
DUP	DUP
TJE19-01858.004	TJE19-01859.016

TB1907817			TB1907818		
DUP	MS	MSD	DUP	MS	MSD
TJE19-01858.004	TJE19-01858.004	TJE19-01858.004	TJE19-01859.016	TJE19-01859.016	TJE19-01859.016

TB1907824	TB1907825
DUP	DUP
TJE19-01857.011	TJE19-01858.003

TB1907829			TB1907830		
DUP	MS	MSD	DUP	MS	MSD
TJE19-01858.025	TJE19-01858.025	TJE19-01858.025	TJE19-01859.001	TJE19-01859.001	TJE19-01859.001

TB1907831			TB1907832		
DUP	MS	MSD	DUP	MS	MSD
TJE19-01857.001	TJE19-01857.001	TJE19-01857.001	TJE19-01858.002	TJE19-01858.002	TJE19-01858.002

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	TB1907813	mg/kg	0.1	<0.1	0%	99%
	TB1907815	mg/kg	0.1	<0.1	0%	100%

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)	TB1907831	mg/kg	6	<6	0%	117%	52%	2%
	TB1907832	mg/kg	6	<6	18%	114%	121%	3%

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	TB1907817	%	-	95%	4%	93%	61%	0%
	TB1907818	%	-	111%	5%	98%	67%	0%
苯酚-d6	TB1907817	%	-	95%	10%	93%	69%	2%
	TB1907818	%	-	107%	2%	103%	79%	1%
硝基苯-d5	TB1907817	%	-	98%	6%	90%	66%	1%
	TB1907818	%	-	88%	1%	114%	70%	0%
2-氟联苯	TB1907817	%	-	81%	1%	83%	70%	2%
	TB1907818	%	-	86%	5%	82%	74%	7%
2,4,6-三溴苯酚	TB1907817	%	-	73%	15%	97%	112%	13%
	TB1907818	%	-	77%	1%	79%	71%	1%
对-三联苯-d14	TB1907817	%	-	103%	1%	97%	84%	6%
	TB1907818	%	-	106%	2%	99%	86%	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
苯	TB1907817	mg/kg	0.09	<0.09	0%	99%	67%	3%
	TB1907818	mg/kg	0.09	<0.09	0%	95%	86%	5%
萘	TB1907817	mg/kg	0.09	<0.09	0%	98%	92%	2%
	TB1907818	mg/kg	0.09	<0.09	0%	98%	93%	1%
苊	TB1907817	mg/kg	0.1	<0.1	0%	100%	94%	3%
	TB1907818	mg/kg	0.1	<0.1	0%	99%	93%	1%
苊	TB1907817	mg/kg	0.08	<0.08	0%	101%	98%	1%
	TB1907818	mg/kg	0.08	<0.08	0%	96%	93%	1%
菲	TB1907817	mg/kg	0.1	<0.1	0%	116%	91%	1%
	TB1907818	mg/kg	0.1	<0.1	0%	108%	109%	0%
蒽	TB1907817	mg/kg	0.1	<0.1	0%	106%	81%	1%
	TB1907818	mg/kg	0.1	<0.1	0%	106%	101%	1%
荧蒽	TB1907817	mg/kg	0.2	<0.2	0%	90%	85%	3%
	TB1907818	mg/kg	0.2	<0.2	0%	107%	98%	1%
苯并(a)蒽	TB1907817	mg/kg	0.1	<0.1	0%	99%	89%	2%
	TB1907818	mg/kg	0.1	<0.1	0%	122%	116%	1%
屈	TB1907817	mg/kg	0.1	<0.1	0%	92%	68%	10%
	TB1907818	mg/kg	0.1	<0.1	0%	106%	96%	0%
苯并(b)荧蒽	TB1907817	mg/kg	0.2	<0.2	0%	92%	94%	3%
	TB1907818	mg/kg	0.2	<0.2	0%	82%	108%	7%
苯并(k)荧蒽	TB1907817	mg/kg	0.1	<0.1	0%	87%	91%	4%
	TB1907818	mg/kg	0.1	<0.1	0%	94%	88%	6%
苯并(a)芘	TB1907817	mg/kg	0.1	<0.1	0%	93%	75%	5%
	TB1907818	mg/kg	0.1	<0.1	0%	99%	94%	3%
茚并(1,2,3-cd)芘	TB1907817	mg/kg	0.1	<0.1	0%	103%	78%	1%
	TB1907818	mg/kg	0.1	<0.1	0%	111%	87%	2%
二苯并(a,h)蒽	TB1907817	mg/kg	0.1	<0.1	0%	89%	71%	2%
	TB1907818	mg/kg	0.1	<0.1	0%	109%	81%	4%
苯并(g,h,i)芘	TB1907817	mg/kg	0.1	<0.1	0%	93%	64%	0%
	TB1907818	mg/kg	0.1	<0.1	0%	116%	76%	3%
邻苯二甲酸二丁酯	TB1907817	mg/kg	0.1	<0.1	0%	97%	88%	5%
	TB1907818	mg/kg	0.1	<0.1	0%	99%	99%	3%
邻苯二甲酸丁苄酯	TB1907817	mg/kg	0.2	<0.2	0%	105%	87%	4%
	TB1907818	mg/kg	0.2	<0.2	0%	94%	95%	9%
邻苯二甲酸二(2-乙基己)酯	TB1907817	mg/kg	0.5	<0.5	0%	103%	86%	5%
	TB1907818	mg/kg	0.5	<0.5	0%	81%	90%	13%
邻苯二甲酸二正辛酯	TB1907817	mg/kg	0.2	<0.2	0%	105%	81%	9%
	TB1907818	mg/kg	0.2	<0.2	0%	85%	109%	1%

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	TB1907829	%	-	108%	1%	101%	115%	2%
	TB1907830	%	-	110%	6%	100%	121%	1%
4-溴氟苯	TB1907829	%	-	97%	1%	103%	114%	3%
	TB1907830	%	-	98%	0%	113%	113%	3%



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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 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 %Recovery	MS %Recovery	MSD %RD
二溴一氟甲烷	TB1907829	%	-	103%	5%	100%	101%	8%
	TB1907830	%	-	111%	0%	100%	91%	11%
苯	TB1907829	mg/kg	0.05	<0.05	0%	102%	111%	2%
	TB1907830	mg/kg	0.05	<0.05	0%	123%	97%	4%
甲苯	TB1907829	mg/kg	0.05	<0.05	0%	106%	112%	2%
	TB1907830	mg/kg	0.05	<0.05	0%	101%	107%	3%
乙苯	TB1907829	mg/kg	0.05	<0.05	0%	108%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	107%	NA	NA
间&对-二甲苯	TB1907829	mg/kg	0.05	<0.05	0%	107%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	108%	NA	NA
苯乙烯	TB1907829	mg/kg	0.05	<0.05	0%	123%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	117%	NA	NA
邻-二甲苯	TB1907829	mg/kg	0.05	<0.05	0%	105%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	102%	NA	NA
异丙基苯	TB1907829	mg/kg	0.05	<0.05	0%	110%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	120%	NA	NA
1,2,4-三甲基苯	TB1907829	mg/kg	0.05	<0.05	0%	112%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	92%	NA	NA
氯苯	TB1907829	mg/kg	0.05	<0.05	0%	103%	119%	2%
	TB1907830	mg/kg	0.05	<0.05	0%	99%	114%	2%
1,4-二氯苯	TB1907829	mg/kg	0.05	<0.05	0%	107%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	105%	NA	NA
1,2-二氯苯	TB1907829	mg/kg	0.05	<0.05	0%	107%	NA	NA
	TB1907830	mg/kg	0.05	<0.05	0%	106%	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	TB1907824	-	-	0%
	TB1907825	-	-	0%

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