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# 检测报告

No. IQB33JHC0435825H9Z

委托单位 常州市高新区（新北）生态环境局

受测单位 常州英科环境科技有限公司

报告日期 2022年06月15日

**PONY 谱尼测试**  
Pony Testing International Group  
www.ponytest.com



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## 检测报告

No.IQB33JHC0435825H9Z

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委托单位	常州市高新区(新北)生态环境局		
受测单位	常州英科环境科技有限公司		
受测地址	常州市新北区春江镇滨江工业园港区南路 6 号		
样品类别	有组织废气	样品数量	9 个
样品编号/采样位置	见 2~11 页	样品形态	石英滤筒+XAD-2 树脂+冷凝水
采样日期	2022-05-24~2022-05-26	检测日期	2022-05-29~2022-06-06
样品来源	采样		
检测项目	二噁英类(PCDDs/PCDFs)		
检测方法	环境空气和废气 二噁英类的测定 同位素稀释高分辨气相色谱-高分辨质谱法 HJ 77.2-2008		
所用主要仪器	IE266 高分辨气相色谱-质谱联用仪 AutoSpec Premier		
备注	1、该报告中检测方法和评价标准由委托单位指定; 2、限值标准: GB 18485-2014《生活垃圾焚烧污染控制标准》表 4 二噁英类 0.1ngTEQ/m <sup>3</sup> ; 3、采样人员: 夏俊、顾峰。		
编制人	谢兆宗	审核人	刘莺歌
批准人	胡庭宇	签发日期	2022 年 06 月 05 日

# 检测报告

No.IQB33JHC0435825H9Z

第 2 页, 共 12 页  
采样日期: 2022-05-24

检测结果

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435825H9 1#炉排气筒出口 采样口 (第一次)	PCDFs	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.0016	0.0029	0.1	0.00029
		1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	0.0013	0.0022	0.05	0.00011
		2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	0.0025	0.0045	0.5	0.0022
		1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	0.0018	0.0032	0.1	0.00032
		1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	0.0017	0.0030	0.1	0.00030
		2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	0.0016	0.0029	0.1	0.00029
		1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0001
		1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	0.0034	0.0061	0.01	0.000061
		1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.01	0.00002
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.001	0.000002	
	PCDDs	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00085	0.0015	1	0.0015
		1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.5	0.0007
		1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0001
		1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	0.00092	0.0016	0.1	0.00016
		1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	0.00050	0.00090	0.1	0.000090
		1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	0.0030	0.0054	0.01	0.000054
		八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	0.0060	0.011	0.001	0.000011
	二噁英类总量 I-TEQ			—	—	—	0.0063

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# 检测报告

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采样日期: 2022-05-24

检测结果

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435835H9 1#炉排气筒出口 采样口 (第二次)	PCDFs	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00039	0.00069	0.1	0.000069
		1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.05	0.00003
		2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.5	0.0003
		1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	N.D.( $<0.0006$ )	N.D.( $<0.001$ )	0.1	0.00005
		1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.1	0.00006
		2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.001$ )	N.D.( $<0.003$ )	0.1	0.0001
		1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.( $<0.001$ )	N.D.( $<0.003$ )	0.1	0.0001
		1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.01	0.00002
		1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.01	0.00002
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.001	0.000002	
	PCDDs	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00051	0.00091	1	0.00091
		1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.( $<0.001$ )	N.D.( $<0.003$ )	0.5	0.0007
		1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.( $<0.001$ )	N.D.( $<0.003$ )	0.1	0.0001
		1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.1	0.00007
		1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.( $<0.0004$ )	N.D.( $<0.0008$ )	0.1	0.00004
		1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.( $<0.001$ )	N.D.( $<0.003$ )	0.01	0.00001
		八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.( $<0.004$ )	N.D.( $<0.007$ )	0.001	0.000003
	二噁英类总量 I-TEQ			—	—	—	0.0026

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# 检测报告

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检测结果

采样日期: 2022-05-24

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435845H9 1#炉排气筒出口 采样口 (第三次)	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00035	0.00063	0.1	0.000063	
	1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.002)	0.05	0.00004	
	2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.002)	0.5	0.0004	
	1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	0.00068	0.0012	0.1	0.00012	
	1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.<(0.0008)	N.D.<(0.001)	0.1	0.00007	
	2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00002	
	1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00002	
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.001	0.000002	
	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00064	0.0011	1	0.0011	
	1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.5	0.0008	
	1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.<(0.0008)	N.D.<(0.002)	0.1	0.00008	
	1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.<(0.0005)	N.D.<(0.0009)	0.1	0.00005	
	1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	0.0026	0.0047	0.01	0.000047	
	八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	0.0046	0.0083	0.001	0.0000083	
	二噁英类总量 I-TEQ			—	—	—	0.0034

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# 检测报告

No.IQB33JHC0435825H9Z

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检测结果

采样日期: 2022-05-25

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435855H9 2#炉排气筒出口 采样口 (第一次)	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00041	0.00075	0.1	0.000075	
	1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.001)	0.05	0.00004	
	2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.001)	0.5	0.0004	
	1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	N.D.<(0.0006)	N.D.<(0.001)	0.1	0.00006	
	1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.<(0.0007)	N.D.<(0.001)	0.1	0.00007	
	2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0001	
	1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0001	
	1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.<(0.002)	N.D.<(0.004)	0.01	0.00002	
	1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.<(0.002)	N.D.<(0.004)	0.01	0.00002	
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.<(0.002)	N.D.<(0.004)	0.001	0.000002	
	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00035	0.00064	1	0.00064	
	1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.5	0.0007	
	1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0001	
	1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.<(0.0008)	N.D.<(0.001)	0.1	0.00007	
	1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.<(0.0005)	N.D.<(0.0009)	0.1	0.00004	
	1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.01	0.00001	
	八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.<(0.004)	N.D.<(0.007)	0.001	0.000004	
	二噁英类总量 I-TEQ			—	—	—	0.0025

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# 检测报告

No.IQB33JHC0435825H9Z

第 6 页, 共 12 页  
采样日期: 2022-05-25

检测结果

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435865H9 2#炉排气筒出口 采样口 (第二次)	PCDDs	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00050	0.00094	0.1	0.000094
		1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.002)	0.05	0.00004
		2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.<(0.0008)	N.D.<(0.002)	0.5	0.0004
		1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	0.0012	0.0022	0.1	0.00022
		1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	0.00081	0.0015	0.1	0.00015
		2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002
		1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002
		1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00002
		1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00002
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.001	0.000002	
	PCDDs	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00076	0.0014	1	0.0014
		1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.5	0.0008
		1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002
		1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.<(0.0008)	N.D.<(0.002)	0.1	0.00008
		1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	0.00053	0.0010	0.1	0.00010
		1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	0.0024	0.0045	0.01	0.000045
		八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.<(0.004)	N.D.<(0.008)	0.001	0.000004
	二噁英类总量 I-TEQ			—	—	—	0.0040

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# 检测报告

No.IQB33JHC0435825H9Z

第7页, 共12页

检测结果

采样日期: 2022-05-25

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435875H9 2#炉排气筒出口 采样口 (第三次)	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00040	0.00076	0.1	0.000076	
	1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.<(0.0009)	N.D.<(0.002)	0.05	0.00004	
	2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>3</sub> CDF	N.D.<(0.0009)	N.D.<(0.002)	0.5	0.0004	
	1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	N.D.<(0.0007)	N.D.<(0.001)	0.1	0.00007	
	1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.<(0.0008)	N.D.<(0.002)	0.1	0.00008	
	2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00003	
	1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.01	0.00003	
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.<(0.003)	N.D.<(0.005)	0.001	0.000003	
	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00050	0.00094	1	0.00094	
	1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.5	0.0008	
	1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.1	0.0002	
	1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.<(0.0009)	N.D.<(0.002)	0.1	0.00008	
	1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.<(0.0005)	N.D.<(0.001)	0.1	0.00005	
	1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.<(0.002)	N.D.<(0.003)	0.01	0.00002	
	八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.<(0.004)	N.D.<(0.008)	0.001	0.000004	
	二噁英类总量 I-TEQ			—	—	—	0.0032

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# 检测报告

No.IQB33JHC0435825H9Z

第 8 页, 共 12 页

检测结果

采样日期: 2022-05-26

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435885H9 3#炉排气筒出口 采样口 (第一次)	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00070	0.0014	0.1	0.00014	
	1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.001$ )	0.05	0.00004	
	2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.001$ )	0.5	0.0004	
	1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	0.00076	0.0015	0.1	0.00015	
	1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.1	0.00007	
	2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0001	
	1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0001	
	1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.01	0.00002	
	1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.01	0.00002	
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.004$ )	0.001	0.000002	
	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00065	0.0012	1	0.0012	
	1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.5	0.0007	
	1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0001	
	1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.( $<0.0008$ )	N.D.( $<0.001$ )	0.1	0.00007	
	1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.( $<0.0005$ )	N.D.( $<0.0009$ )	0.1	0.00004	
	1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.01	0.00001	
	八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.( $<0.004$ )	N.D.( $<0.007$ )	0.001	0.000004	
	二噁英类总量 I-TEQ			—	—	—	0.0032

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# 检测报告

No.IQB33JHC0435825H9Z

第 9 页, 共 12 页

检测结果

采样日期: 2022-05-26

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435895H9 3#炉排气筒出口 采样口 (第二次)	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00087	0.0017	0.1	0.00017	
	1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.05	0.00004	
	2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.5	0.0004	
	1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	N.D.( $<0.0006$ )	N.D.( $<0.001$ )	0.1	0.00006	
	1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.1	0.00007	
	2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002	
	1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002	
	1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.01	0.00002	
	1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.01	0.00002	
	八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.001	0.000002	
	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00056	0.0011	1	0.0011	
	1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.5	0.0008	
	1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002	
	1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.1	0.00008	
	1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.( $<0.0005$ )	N.D.( $<0.0009$ )	0.1	0.00005	
	1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.01	0.00002	
	八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.( $<0.004$ )	N.D.( $<0.008$ )	0.001	0.000004	
	二噁英类总量 I-TEQ			—	—	—	0.0034

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# 检测报告

No.IQB33JHC0435825H9Z

第 10 页, 共 12 页

检测结果

采样日期: 2022-05-26

样品编号/ 采样位置	检测项目名称	简称	实测 浓度	换算 浓度	毒性当 量因子	毒性当量 (TEQ)	
			ng/m <sup>3</sup>	ng/m <sup>3</sup>	I-TEF	ngTEQ/m <sup>3</sup>	
C0435905H9 3#炉排气筒出口 采样口 (第三次)	PCDFs	2,3,7,8-四氯代二苯并呋喃	2,3,7,8-T <sub>4</sub> CDF	0.00049	0.00097	0.1	0.000097
		1,2,3,7,8-五氯代二苯并呋喃	1,2,3,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.05	0.00004
		2,3,4,7,8-五氯代二苯并呋喃	2,3,4,7,8-P <sub>5</sub> CDF	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.5	0.0004
		1,2,3,4,7,8-六氯代二苯并呋喃	1,2,3,4,7,8-H <sub>6</sub> CDF	N.D.( $<0.0006$ )	N.D.( $<0.001$ )	0.1	0.00006
		1,2,3,6,7,8-六氯代二苯并呋喃	1,2,3,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.0007$ )	N.D.( $<0.001$ )	0.1	0.00007
		2,3,4,6,7,8-六氯代二苯并呋喃	2,3,4,6,7,8-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002
		1,2,3,7,8,9-六氯代二苯并呋喃	1,2,3,7,8,9-H <sub>6</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002
		1,2,3,4,6,7,8-七氯代二苯并呋喃	1,2,3,4,6,7,8-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.01	0.00002
		1,2,3,4,7,8,9-七氯代二苯并呋喃	1,2,3,4,7,8,9-H <sub>7</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.01	0.00002
		八氯代二苯并呋喃	O <sub>8</sub> CDF	N.D.( $<0.002$ )	N.D.( $<0.005$ )	0.001	0.000002
	PCDDs	2,3,7,8-四氯代二苯并-对-二噁英	2,3,7,8-T <sub>4</sub> CDD	0.00043	0.00087	1	0.00087
		1,2,3,7,8-五氯代二苯并-对-二噁英	1,2,3,7,8-P <sub>5</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.5	0.0008
		1,2,3,4,7,8-六氯代二苯并-对-二噁英	1,2,3,4,7,8-H <sub>6</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.1	0.0002
		1,2,3,6,7,8-六氯代二苯并-对-二噁英	1,2,3,6,7,8-H <sub>6</sub> CDD	N.D.( $<0.0008$ )	N.D.( $<0.002$ )	0.1	0.00008
		1,2,3,7,8,9-六氯代二苯并-对-二噁英	1,2,3,7,8,9-H <sub>6</sub> CDD	N.D.( $<0.0005$ )	N.D.( $<0.0009$ )	0.1	0.00005
		1,2,3,4,6,7,8-七氯代二苯并-对-二噁英	1,2,3,4,6,7,8-H <sub>7</sub> CDD	N.D.( $<0.002$ )	N.D.( $<0.003$ )	0.01	0.00002
		八氯代二苯并-对-二噁英	O <sub>8</sub> CDD	N.D.( $<0.004$ )	N.D.( $<0.008$ )	0.001	0.000004
	二噁英类总量 I-TEQ			—	—	—	0.0031

备注: 1. I-TEQ (国际-毒性当量), 即样品中某多氯代二苯并二噁英 (PCDDs) 或多氯代二苯并呋喃 (PCDFs) 的浓度与其毒性当量因子 TEF 的乘积。  
 2. 二噁英类总量为所有 PCDDs 和 PCDFs 毒性当量之和; 检测值如果小于样品检出限以样品检出限 1/2 计算。  
 3. 换算质量浓度( $\rho$ ): 二噁英类质量浓度的 11%含氧质量换算值( $\text{ng}/\text{m}^3$ )  
 $\rho = (21-11) / [21-\varphi_s(\text{O}_2)] \times \rho_s$  式中 $\varphi_s(\text{O}_2)$ 废气中含氧量, %。

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## 检测报告

No.IQB33JHC0435825H9Z

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附表 1:

排气筒参数

项目	1#炉		
	第一次	第二次	第三次
采样日期	2022-05-24		
排气筒高度 (m)	60		
截面积 (m <sup>2</sup> )	0.7854		
测点烟气温度(°C)	128.9	127.3	141.4
烟气平均流速(m/s)	21.8	23.3	21.7
标态干烟气流(m <sup>3</sup> /h)	34680	37224	33295
烟气流量(m <sup>3</sup> /h)	61706	65860	61449
烟气含氧量(%)	15.4	15.4	15.4
含湿量(%)	17.4	17.1	17.9
项目	2#炉		
	第一次	第二次	第三次
采样日期	2022-05-25		
排气筒高度 (m)	60		
截面积 (m <sup>2</sup> )	0.7854		
测点烟气温度(°C)	138.0	139.7	140.6
烟气平均流速(m/s)	23.2	21.8	20.1
标态干烟气流(m <sup>3</sup> /h)	35546	33384	31109
烟气流量(m <sup>3</sup> /h)	65476	61513	56932
烟气含氧量(%)	15.6	15.7	15.7
含湿量(%)	17.9	17.8	17.0
项目	3#炉		
	第一次	第二次	第三次
采样日期	2022-05-26		
排气筒高度 (m)	60		
截面积 (m <sup>2</sup> )	0.7854		
测点烟气温度(°C)	131.4	131.8	134.2
烟气平均流速(m/s)	23.6	23.3	23.4
标态干烟气流(m <sup>3</sup> /h)	36585	36372	36540
烟气流量(m <sup>3</sup> /h)	66724	65892	66177
烟气含氧量(%)	15.8	16.0	16.0
含湿量(%)	18.7	17.9	17.7

## 检测报告

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附表 2:

样品编号	排气筒名称	二噁英类总量 (ngTEQ/m <sup>3</sup> )	平均值 (ngTEQ/m <sup>3</sup> )	限值 (ngTEQ/m <sup>3</sup> )	判定
C0435825H9	1#炉	0.0063	0.0041	0.1	合格
C0435835H9		0.0026			
C0435845H9		0.0034			
C0435855H9	2#炉	0.0025	0.0032	0.1	合格
C0435865H9		0.0040			
C0435875H9		0.0032			
C0435885H9	3#炉	0.0032	0.0032	0.1	合格
C0435895H9		0.0034			
C0435905H9		0.0031			

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