



150000343619

检测报告

No.INBLMRZU78343555Z

委托单位 生态环境部南京环境科学研究院

受测单位 宿迁中油优艺环保服务有限公司

报告日期 2019.08.12



检测结果

No.INBLMRZU78343555Z

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| | | | |
|-----------|---|------------|-----------------------|
| 委托单位 | 生态环境部南京环境科学研究院 | | |
| 受测单位 | 宿迁中油优艺环保服务有限公司 | | |
| 受测地址 | 宿迁市生态化工科技产业园大庆路1号 | | |
| 样品类别 | 有组织废气 | 样品数量 | 6个 |
| 样品编号/采样位置 | 见2~7页 | 样品形态 | 废气(滤筒+XAD-2树脂+冷凝水) |
| 采样日期 | 2019.07.27~2019.07.28 | 检测日期 | 2019.07.27~2019.08.12 |
| 检测项目 | 二噁英类(PCDD/Fs) | | |
| 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 | IE-266 高分辨气相色谱-质谱联用仪 Waters AutoSpec Premier 美国 | | |
| 备注 | 1、该报告中检测方法由委托单位指定; 2、限值标准: GB 18484-2001《危险废物焚烧污染控制标准》表3, 二噁英类最高允许排放浓度限值: 0.5 ngTEQ/m ³ 。 | | |
| | 编制人 | 谢伟光 | |
| | 审核人 | 张洪 | |
| | 批准人 | 张洪 | |
| | 签发日期 | 2019.08.12 | |



检测结果

No.INBLMRZU78343555Z

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检测结果

采样日期: 2019.07.27

| 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(TEQ) | | |
|--------------------------------|----------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| 1178343555 2#废气排气筒 (第一次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.068 | 0.10 | 0.1 | 0.010 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.19 | 0.27 | 0.05 | 0.014 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.26 | 0.37 | 0.5 | 0.13 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.41 | 0.58 | 0.1 | 0.058 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.39 | 0.55 | 0.1 | 0.055 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.43 | 0.60 | 0.1 | 0.060 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.0092 | 0.013 | 0.1 | 0.0013 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 1.6 | 2.3 | 0.01 | 0.023 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.16 | 0.22 | 0.01 | 0.0022 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.73 | 1.0 | 0.001 | 0.0010 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | 0.0048 | 0.0067 | 1 | 0.0067 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.029 | 0.041 | 0.5 | 0.020 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.051 | 0.072 | 0.1 | 0.0072 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.087 | 0.12 | 0.1 | 0.012 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.046 | 0.064 | 0.1 | 0.0064 |
| | | 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 ₇ CDD | 0.36 | 0.51 | 0.01 | 0.0051 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.41 | 0.58 | 0.001 | 0.00058 |
| | | 二噁英类总量 I-TEQ | | | — | — | — |

检测结果

No.INBLMRZU78343555Z

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检测结果

采样日期: 2019.07.27

| 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(TEQ) | | |
|--------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| 1178244555 2#废气排气筒 (第二次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.019 | 0.026 | 0.1 | 0.0026 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.023 | 0.032 | 0.05 | 0.0016 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.037 | 0.051 | 0.5 | 0.026 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.038 | 0.053 | 0.1 | 0.0053 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.037 | 0.051 | 0.1 | 0.0051 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.037 | 0.050 | 0.1 | 0.0050 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.0033 | 0.0045 | 0.1 | 0.00045 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.13 | 0.18 | 0.01 | 0.0018 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.016 | 0.022 | 0.01 | 0.00022 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.073 | 0.099 | 0.001 | 0.00010 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.00094 | 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 ₅ CDD | 0.0088 | 0.012 | 0.5 | 0.0060 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.0047 | 0.0065 | 0.1 | 0.00065 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.011 | 0.015 | 0.1 | 0.0015 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.0050 | 0.0068 | 0.1 | 0.00068 |
| | | 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 ₇ CDD | 0.033 | 0.045 | 0.01 | 0.00045 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.11 | 0.16 | 0.001 | 0.00016 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.058 |

检测结果

No.INBLMRZU78343555Z

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检测结果

采样日期: 2019.07.27

| 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(TEQ) | | |
|-------------------------------|--------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U78345555 2#废气排气筒 (第二次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.036 | 0.049 | 0.1 | 0.0049 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.064 | 0.085 | 0.05 | 0.0042 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.098 | 0.13 | 0.5 | 0.065 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.15 | 0.21 | 0.1 | 0.021 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.13 | 0.18 | 0.1 | 0.018 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.14 | 0.19 | 0.1 | 0.019 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.016 | 0.021 | 0.1 | 0.0021 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.55 | 0.74 | 0.01 | 0.0074 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.079 | 0.11 | 0.01 | 0.0011 |
| | | 八氯代二苯并呋喃 | O ₈ CDF | 0.31 | 0.41 | 0.001 | 0.00041 |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | 0.0035 | 0.0047 | 1 | 0.0047 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.016 | 0.022 | 0.5 | 0.011 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.016 | 0.021 | 0.1 | 0.0021 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.029 | 0.039 | 0.1 | 0.0039 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.018 | 0.024 | 0.1 | 0.0024 |
| | | 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 ₇ CDD | 0.14 | 0.19 | 0.01 | 0.0019 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.21 | 0.28 | 0.001 | 0.00028 |
| | | 二噁英类总量 I-TEQ | | | — | — | — |

检测结果

No.INBLMRZU78343555Z

第5页, 共8页
采样日期: 2019.07.28

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U78346555 2#废气排气筒 (第一次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.019 | 0.027 | 0.1 | 0.0027 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.018 | 0.026 | 0.05 | 0.0013 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.041 | 0.058 | 0.5 | 0.029 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.026 | 0.036 | 0.1 | 0.0036 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.026 | 0.037 | 0.1 | 0.0037 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.026 | 0.037 | 0.1 | 0.0037 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | <0.0015 | 0.0010 | 0.1 | 0.00010 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.085 | 0.12 | 0.01 | 0.0012 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.014 | 0.020 | 0.01 | 0.00020 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.041 | 0.058 | 0.001 | 0.000058 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0017 | 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 ₅ CDD | <0.0044 | 0.0031 | 0.5 | 0.0016 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.0049 | 0.0069 | 0.1 | 0.00069 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.0068 | 0.010 | 0.1 | 0.0010 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.0057 | 0.0081 | 0.1 | 0.00081 |
| | | 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 ₇ CDD | 0.031 | 0.044 | 0.01 | 0.00044 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.071 | 0.10 | 0.001 | 0.00010 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.051 |

检测结果

No.INBLMRZU78343555Z

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检测结果

采样日期: 2019.07.28

| 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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U78347555 2#废气排气筒 (第二次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.042 | 0.058 | 0.1 | 0.0058 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.036 | 0.049 | 0.05 | 0.0024 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.046 | 0.064 | 0.5 | 0.032 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.045 | 0.061 | 0.1 | 0.0061 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.046 | 0.062 | 0.1 | 0.0062 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.060 | 0.082 | 0.1 | 0.0082 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.0024 | 0.0033 | 0.1 | 0.00033 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.16 | 0.22 | 0.01 | 0.0022 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.025 | 0.034 | 0.01 | 0.00034 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.083 | 0.11 | 0.001 | 0.00011 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0020 | 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 ₅ CDD | 0.0064 | 0.0088 | 0.5 | 0.0044 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.0094 | 0.013 | 0.1 | 0.0013 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.012 | 0.016 | 0.1 | 0.0016 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.0044 | 0.0061 | 0.1 | 0.00061 |
| | | 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 ₇ CDD | 0.040 | 0.055 | 0.01 | 0.00055 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.15 | 0.21 | 0.001 | 0.00021 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.074 |



检测报告

No. INBYNTSU71438555Z

委托单位 生态环境部南京环境科学研究院

受测单位 宿迁中油优艺环保服务有限公司

报告日期 2019.08.04

检测结果

No.INBYNTSU71438555Z

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| | | | |
|---|---|------------|-----------------------|
| 委托单位 | 生态环境部南京环境科学研究院 | | |
| 受测单位 | 宿迁中油优艺环保服务有限公司 | | |
| 受测地址 | 宿迁市生态化工科技产业园大庆路 1 号 | | |
| 样品类别 | 有组织废气 | 样品数量 | 6 个 |
| 样品编号/采样位置 | 见 2~7 页 | 样品形态 | 废气 (滤筒+XAD-2 树脂+冷凝水) |
| 采样日期 | 2019.07.13~2019.07.14 | 检测日期 | 2019.07.13~2019.08.04 |
| 检测项目 | 二噁英类 (PCDD/Fs) | | |
| 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 | IE-266 高分辨气相色谱-质谱联用仪 Waters AutoSpec Premier 美国 | | |
| 备注 | 1、该报告中检测方法由委托单位指定; 2、限值标准: GB 18484-2001《危险废物焚烧污染控制标准》表 3, 二噁英类最高允许排放浓度限值: 0.5 ngTEQ /m ³ 。 | | |
|  | 编制人 | 谢物尔 | |
| | 审核人 | 史天 | |
| | 批准人 | 张保荣 | |
| | 签发日期 | 2019.08.04 | |

检测结果

No.INBYNTSU71438555Z

第 2 页, 共 8 页
采样日期: 2019.07.13

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71438555 1#废气排气筒 (第一次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.078 | 0.11 | 0.1 | 0.011 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.18 | 0.24 | 0.05 | 0.012 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.23 | 0.32 | 0.5 | 0.16 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.35 | 0.48 | 0.1 | 0.048 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.33 | 0.45 | 0.1 | 0.045 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.36 | 0.49 | 0.1 | 0.049 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.029 | 0.040 | 0.1 | 0.0040 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 1.2 | 1.6 | 0.01 | 0.016 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.14 | 0.19 | 0.01 | 0.0019 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.61 | 0.83 | 0.001 | 0.00083 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | 0.011 | 0.014 | 1 | 0.014 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.044 | 0.061 | 0.5 | 0.030 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.031 | 0.042 | 0.1 | 0.0042 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.052 | 0.072 | 0.1 | 0.0072 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.040 | 0.055 | 0.1 | 0.0055 |
| | | 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 ₇ CDD | 0.26 | 0.36 | 0.01 | 0.0036 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.52 | 0.72 | 0.001 | 0.00072 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.41 |

检测结果

No.INBYNTSU71438555Z

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采样日期: 2019.07.13

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71438555 1#废气排气筒 (第二次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.069 | 0.093 | 0.1 | 0.0093 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.21 | 0.28 | 0.05 | 0.014 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.26 | 0.35 | 0.5 | 0.18 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.44 | 0.60 | 0.1 | 0.060 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.40 | 0.54 | 0.1 | 0.054 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.41 | 0.56 | 0.1 | 0.056 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.026 | 0.035 | 0.1 | 0.0035 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 1.8 | 2.4 | 0.01 | 0.024 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.20 | 0.27 | 0.01 | 0.0027 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 1.0 | 1.4 | 0.001 | 0.0014 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | 0.0066 | 0.0089 | 1 | 0.0089 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.034 | 0.045 | 0.5 | 0.023 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.048 | 0.064 | 0.1 | 0.0064 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.086 | 0.12 | 0.1 | 0.012 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.057 | 0.078 | 0.1 | 0.0078 |
| | | 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 ₇ CDD | 0.43 | 0.59 | 0.01 | 0.0059 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.59 | 0.79 | 0.001 | 0.00079 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.46 |

检测结果

No.INBYNTSU71438555Z

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采样日期: 2019.07.13

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71440555 1#废气排气筒 (第三次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.047 | 0.062 | 0.1 | 0.0062 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.084 | 0.11 | 0.05 | 0.0055 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.14 | 0.18 | 0.5 | 0.090 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.17 | 0.23 | 0.1 | 0.023 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.17 | 0.22 | 0.1 | 0.022 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.18 | 0.24 | 0.1 | 0.024 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.022 | 0.029 | 0.1 | 0.0029 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.69 | 0.91 | 0.01 | 0.0091 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.002 | 0.11 | 0.01 | 0.0011 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.41 | 0.54 | 0.001 | 0.00054 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0028 | 0.0018 | 1 | 0.0018 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.020 | 0.026 | 0.5 | 0.013 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.019 | 0.025 | 0.1 | 0.0025 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.035 | 0.046 | 0.1 | 0.0046 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.023 | 0.030 | 0.1 | 0.0030 |
| | | 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 ₇ CDD | 0.15 | 0.20 | 0.01 | 0.0020 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.23 | 0.31 | 0.001 | 0.00031 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.21 |

检测结果

No.INBYNTSU71438555Z

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采样日期: 2019.07.14

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71441555 1#废气排气筒 (第一次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.043 | 0.064 | 0.1 | 0.0064 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.085 | 0.12 | 0.05 | 0.0062 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.12 | 0.17 | 0.5 | 0.086 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.16 | 0.23 | 0.1 | 0.023 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.15 | 0.22 | 0.1 | 0.022 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.16 | 0.24 | 0.1 | 0.024 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.048 | 0.070 | 0.1 | 0.0070 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.59 | 0.86 | 0.01 | 0.0086 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.060 | 0.10 | 0.01 | 0.0010 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.34 | 0.50 | 0.001 | 0.00050 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0043 | 0.0032 | 1 | 0.0032 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.020 | 0.029 | 0.5 | 0.015 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.018 | 0.026 | 0.1 | 0.0026 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.034 | 0.050 | 0.1 | 0.0050 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.018 | 0.026 | 0.1 | 0.0026 |
| | | 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 ₇ CDD | 0.12 | 0.18 | 0.01 | 0.0018 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.16 | 0.23 | 0.001 | 0.00023 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.21 |

检测结果

No.INBYNTSU71438555Z

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采样日期: 2019.07.14

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(TEQ) | | |
|-------------------------------|--------------|----------------------------|----------------------------------|-------------------|-----------|----------------------|---------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71442555 1#废气排气筒 (第二次) | PCDFs | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.030 | 0.043 | 0.1 | 0.0043 |
| | | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.047 | 0.067 | 0.05 | 0.0033 |
| | | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.072 | 0.10 | 0.5 | 0.051 |
| | | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.10 | 0.14 | 0.1 | 0.014 |
| | | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.093 | 0.13 | 0.1 | 0.013 |
| | | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.10 | 0.15 | 0.1 | 0.015 |
| | | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.031 | 0.044 | 0.1 | 0.0044 |
| | | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.41 | 0.59 | 0.01 | 0.0059 |
| | | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.047 | 0.067 | 0.01 | 0.00067 |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.25 | 0.36 | 0.001 | 0.00036 | |
| | PCDDs | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0019 | 0.0013 | 1 | 0.0013 |
| | | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.010 | 0.014 | 0.5 | 0.0069 |
| | | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.014 | 0.020 | 0.1 | 0.0020 |
| | | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.023 | 0.032 | 0.1 | 0.0032 |
| | | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.015 | 0.022 | 0.1 | 0.0022 |
| | | 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 ₇ CDD | 0.095 | 0.14 | 0.01 | 0.0014 |
| | | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.17 | 0.24 | 0.001 | 0.00024 |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.13 |

检测结果

No.INBYNTSU71438555Z

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采样日期: 2019.07.14

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(TEQ) | | |
|-------------------------------|----------------------------|----------------------------------|-------------------|-------------------|-----------|----------------------|------|
| | | | ng/m ³ | ng/m ³ | I-TEF | ngTEQ/m ³ | |
| U71443555 1#废气排气筒 (第三次) | 2,3,7,8-四氯代二苯并呋喃 | 2,3,7,8-T ₄ CDF | 0.030 | 0.041 | 0.1 | 0.0041 | |
| | 1,2,3,7,8-五氯代二苯并呋喃 | 1,2,3,7,8-P ₅ CDF | 0.049 | 0.067 | 0.05 | 0.0033 | |
| | 2,3,4,7,8-五氯代二苯并呋喃 | 2,3,4,7,8-P ₅ CDF | 0.078 | 0.11 | 0.5 | 0.053 | |
| | 1,2,3,4,7,8-六氯代二苯并呋喃 | 1,2,3,4,7,8-H ₆ CDF | 0.10 | 0.13 | 0.1 | 0.013 | |
| | 1,2,3,6,7,8-六氯代二苯并呋喃 | 1,2,3,6,7,8-H ₆ CDF | 0.094 | 0.13 | 0.1 | 0.013 | |
| | 2,3,4,6,7,8-六氯代二苯并呋喃 | 2,3,4,6,7,8-H ₆ CDF | 0.11 | 0.15 | 0.1 | 0.015 | |
| | 1,2,3,7,8,9-六氯代二苯并呋喃 | 1,2,3,7,8,9-H ₆ CDF | 0.034 | 0.045 | 0.1 | 0.0045 | |
| | 1,2,3,4,6,7,8-七氯代二苯并呋喃 | 1,2,3,4,6,7,8-H ₇ CDF | 0.43 | 0.57 | 0.01 | 0.0057 | |
| | 1,2,3,4,7,8,9-七氯代二苯并呋喃 | 1,2,3,4,7,8,9-H ₇ CDF | 0.046 | 0.063 | 0.01 | 0.00063 | |
| | 八氯代二苯并呋喃 | O ₈ CDF | 0.27 | 0.37 | 0.001 | 0.00037 | |
| | 2,3,7,8-四氯代二苯并-对-二噁英 | 2,3,7,8-T ₄ CDD | <0.0010 | 0.0013 | 1 | 0.0013 | |
| | 1,2,3,7,8-五氯代二苯并-对-二噁英 | 1,2,3,7,8-P ₅ CDD | 0.011 | 0.015 | 0.5 | 0.0077 | |
| | 1,2,3,4,7,8-六氯代二苯并-对-二噁英 | 1,2,3,4,7,8-H ₆ CDD | 0.013 | 0.018 | 0.1 | 0.0018 | |
| | 1,2,3,6,7,8-六氯代二苯并-对-二噁英 | 1,2,3,6,7,8-H ₆ CDD | 0.022 | 0.030 | 0.1 | 0.0030 | |
| | 1,2,3,7,8,9-六氯代二苯并-对-二噁英 | 1,2,3,7,8,9-H ₆ CDD | 0.016 | 0.022 | 0.1 | 0.0022 | |
| | 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 ₇ CDD | 0.10 | 0.14 | 0.01 | 0.0014 | |
| | 八氯代二苯并-对-二噁英 | O ₈ CDD | 0.17 | 0.22 | 0.001 | 0.00022 | |
| | 二噁英类总量 I-TEQ | | | — | — | — | 0.13 |

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. 检测值如果小于检测限以检测限 1/2 计算。
3. 换算质量浓度(ρ): 二噁英类质量浓度的 11%含氧质量换算值(ng/m³)
 $\rho = (21-11) / [21 - \phi_s(O_2)] \times \rho_s$ 式中 $\phi_s(O_2)$ 废气中含氧量, %。

检测结果

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附表 1:

排气筒参数

| 项目 | 1#废气排气筒 | | | | | |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 2019.07.13 | | | 2019.07.14 | | |
| | 第一次 | 第二次 | 第三次 | 第一次 | 第二次 | 第三次 |
| 排气筒高度 (m) | 50 | | | 50 | | |
| 截面积 (m ²) | 0.6362 | | | 0.6362 | | |
| 测点烟气温度(°C) | 87.4 | 74.6 | 78.9 | 69.1 | 70.0 | 75.4 |
| 烟气平均流速(m/s) | 9.4 | 10.1 | 9.1 | 9.8 | 9.7 | 9.4 |
| 标态干烟气流(m ³ /h) | 1.28×10 ⁴ | 1.41×10 ⁴ | 1.26×10 ⁴ | 1.40×10 ⁴ | 1.39×10 ⁴ | 1.41×10 ⁴ |
| 烟气流量(m ³ /h) | 2.15×10 ⁴ | 2.31×10 ⁴ | 2.08×10 ⁴ | 2.24×10 ⁴ | 2.23×10 ⁴ | 2.16×10 ⁴ |
| 烟气含氧量(%) | 13.8 | 13.4 | 13.5 | 14.0 | 13.9 | 13.5 |
| 含湿量(%) | 20.8 | 20.2 | 20.4 | 19.8 | 20.1 | 20.3 |

附表 2:

| 样品编号 | 检测结果 (ngTEQ/m ³) | 平均值 (ngTEQ/m ³) |
|-----------|------------------------------|-----------------------------|
| U71438555 | 0.41 | 0.36 |
| U71439555 | 0.46 | |
| U71440555 | 0.21 | |
| U71441555 | 0.21 | 0.16 |
| U71442555 | 0.13 | |
| U71443555 | 0.13 | |

——以下空白——