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5/24/2024
Ms. Heidi Woelfel
GZA GeoEnvironmental, Inc.
17975 West Sarah Lane
Ste 100
Brookfield WI 53045

Project Name: Kids Empire
Project #: 20.0150985.19
Workorder #: 2405447

Dear Ms. Heidi Woelfel

The following report includes the data for the above referenced project for sample(s) received on 5/20/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

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# WORK ORDER #: 2405447

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Ms. Heidi Woelfel<br>GZA GeoEnvironmental, Inc.<br>17975 West Sarah Lane<br>Ste 100<br>Brookfield, WI 53045 | **BILL TO:** | Ms. Heidi Woelfel<br>GZA GeoEnvironmental, Inc.<br>17975 West Sarah Lane<br>Ste 100<br>Brookfield, WI 53045 |
| **PHONE:** | 262-754-2594 | **P.O. #** | |
| **FAX:** | 262754-9711 | **PROJECT #** | 20.0150985.19 Kids Empire |
| **DATE RECEIVED:** | 05/20/2024 | **CONTACT:** | Jade White |
| **DATE COMPLETED:** | 05/24/2024 | | |

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | PA-E | Passive S.E. RAD130/SKC |
| 02A | PA-C | Passive S.E. RAD130/SKC |
| 03A | PA-W | Passive S.E. RAD130/SKC |
| 04A | Lab Blank | Passive S.E. RAD130/SKC |
| 05A | CCV | Passive S.E. RAD130/SKC |
| 06A | LCS | Passive S.E. RAD130/SKC |
| 06AA | LCSD | Passive S.E. RAD130/SKC |

CERTIFIED BY: Heidi Hayes DATE: 05/24/24

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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**LABORATORY NARRATIVE**
**RAD130 Passive SE by Mod EPA TO-17**
**GZA GeoEnvironmental, Inc.**
**Workorder# 2405447**

Three Radiello 130 (Solvent) samples were received on May 20, 2024. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

| ***Requirement*** | ***TO-17*** | ***ATL Modifications*** |
|---|---|---|
| Sample Collection | Pump pulls measured air volume through sorbent tube | VOCs in air adsorbed onto sorbent bed passively through diffusion |
| Sample Preparation | Thermal extraction | Solvent extraction |
| Sorbent tube conditioning | Condition newly packed tubes prior to use | Charcoal-based sorbent is a single use media and conditioning is conducted by vendor. |
| Instrumentation | Thermal desorption introduction system | Liquid injection introduction system |
| Internal Standard | Gas-phase internal standard introduced on the tube or focusing trap during analysis | Liquid-phase internal standard introduced on the tube at the time of extraction |
| Media and sample storage | <4 deg C, 30 days | Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping. |
| Internal Standard Recovery | +/-40% of daily CCV area | -50% to +100% of daily CCV area |

## Receiving Notes

There were no receiving discrepancies.

## Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 14352 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

**Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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# Summary of Detected Compounds
# VOCS BY PASSIVE SAMPLER - GC/MS

**Client Sample ID: PA-E**

**Lab ID#: 2405447-01A**

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 19 | 13 |
| Hexane | 0.10 | 0.10 | 0.22 | 0.23 |
| Ethyl Acetate | 0.40 | 0.36 | 2.5 | 2.2 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 6.6 | 5.8 |
| Cyclohexane | 0.10 | 0.13 | 0.53 | 0.69 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.27 | 0.28 |
| Heptane | 0.10 | 0.12 | 0.41 | 0.49 |
| Toluene | 0.10 | 0.094 | 6.0 | 5.6 |
| Ethyl Benzene | 0.10 | 0.10 | 0.74 | 0.76 |
| m,p-Xylene | 0.10 | 0.099 | 2.8 | 2.8 |
| o-Xylene | 0.10 | 0.11 | 1.1 | 1.2 |
| Styrene | 0.10 | 0.11 | 0.31 | 0.36 |
| Propylbenzene | 0.10 | 0.12 | 0.19 | 0.23 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.86 | 1.2 |

**Client Sample ID: PA-C**

**Lab ID#: 2405447-02A**

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 23 | 16 |
| Hexane | 0.10 | 0.10 | 0.20 | 0.21 |
| Ethyl Acetate | 0.40 | 0.36 | 2.2 | 2.0 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 7.2 | 6.3 |
| Cyclohexane | 0.10 | 0.13 | 0.35 | 0.46 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.23 | 0.24 |
| Heptane | 0.10 | 0.12 | 0.33 | 0.39 |
| Toluene | 0.10 | 0.094 | 4.4 | 4.2 |
| Ethyl Benzene | 0.10 | 0.10 | 0.49 | 0.50 |
| m,p-Xylene | 0.10 | 0.099 | 1.8 | 1.8 |
| o-Xylene | 0.10 | 0.11 | 0.69 | 0.73 |
| Styrene | 0.10 | 0.11 | 0.11 | 0.13 |
| Propylbenzene | 0.10 | 0.12 | 0.17 | 0.21 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.60 | 0.84 |

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# Summary of Detected Compounds
# VOCS BY PASSIVE SAMPLER - GC/MS

**Client Sample ID: PA-W**

**Lab ID#: 2405447-03A**

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 23 | 15 |
| Hexane | 0.10 | 0.10 | 0.19 | 0.20 |
| Ethyl Acetate | 0.40 | 0.36 | 2.3 | 2.0 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 6.6 | 5.9 |
| Cyclohexane | 0.10 | 0.13 | 0.38 | 0.49 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.25 | 0.26 |
| Heptane | 0.10 | 0.12 | 0.34 | 0.41 |
| Toluene | 0.10 | 0.094 | 4.8 | 4.5 |
| Ethyl Benzene | 0.10 | 0.10 | 0.53 | 0.55 |
| m,p-Xylene | 0.10 | 0.099 | 2.0 | 2.0 |
| o-Xylene | 0.10 | 0.11 | 0.76 | 0.81 |
| Styrene | 0.10 | 0.11 | 0.25 | 0.29 |
| Propylbenzene | 0.10 | 0.12 | 0.16 | 0.19 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.67 | 0.94 |

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**Client Sample ID: PA-E**

**Lab ID#: 2405447-01A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052324sim** | **Date of Collection:** | **5/16/24 12:43:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **5/23/24 04:38 PM** |
| | | **Date of Extraction:** | **5/23/24** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 19 | 13 |
| Methyl tert-butyl ether | 0.10 | 0.11 | Not Detected | Not Detected |
| Hexane | 0.10 | 0.10 | 0.22 | 0.23 |
| Ethyl Acetate | 0.40 | 0.36 | 2.5 | 2.2 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 6.6 | 5.8 |
| Chloroform | 0.10 | 0.093 | Not Detected | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | 0.11 | Not Detected | Not Detected |
| Cyclohexane | 0.10 | 0.13 | 0.53 | 0.69 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.27 | 0.28 |
| Benzene | 0.40 | 0.35 | Not Detected | Not Detected |
| 1,2-Dichloroethane | 0.10 | 0.090 | Not Detected | Not Detected |
| Heptane | 0.10 | 0.12 | 0.41 | 0.49 |
| Trichloroethene | 0.10 | 0.10 | Not Detected | Not Detected |
| 4-Methyl-2-pentanone | 0.20 | 0.21 | Not Detected | Not Detected |
| Toluene | 0.10 | 0.094 | 6.0 | 5.6 |
| Tetrachloroethene | 0.10 | 0.12 | Not Detected | Not Detected |
| Chlorobenzene | 0.10 | 0.10 | Not Detected | Not Detected |
| Ethyl Benzene | 0.10 | 0.10 | 0.74 | 0.76 |
| m,p-Xylene | 0.10 | 0.099 | 2.8 | 2.8 |
| o-Xylene | 0.10 | 0.11 | 1.1 | 1.2 |
| Styrene | 0.10 | 0.11 | 0.31 | 0.36 |
| Propylbenzene | 0.10 | 0.12 | 0.19 | 0.23 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.86 | 1.2 |
| 1,4-Dichlorobenzene | 0.10 | 0.14 | Not Detected | Not Detected |
| Naphthalene | 0.10 | 0.28 | Not Detected | Not Detected |

Temperature = 77.0F , duration time = 14398 minutes.

**Container Type: Radiello 130 (Solvent)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 102 | 70-130 |

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**Client Sample ID: PA-C**

**Lab ID#: 2405447-02A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052325sim** | **Date of Collection:** | **5/16/24 12:48:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **5/23/24 05:05 PM** |
| | | **Date of Extraction:** | **5/23/24** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 23 | 16 |
| Methyl tert-butyl ether | 0.10 | 0.11 | Not Detected | Not Detected |
| Hexane | 0.10 | 0.10 | 0.20 | 0.21 |
| Ethyl Acetate | 0.40 | 0.36 | 2.2 | 2.0 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 7.2 | 6.3 |
| Chloroform | 0.10 | 0.093 | Not Detected | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | 0.11 | Not Detected | Not Detected |
| Cyclohexane | 0.10 | 0.13 | 0.35 | 0.46 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.23 | 0.24 |
| Benzene | 0.40 | 0.35 | Not Detected | Not Detected |
| 1,2-Dichloroethane | 0.10 | 0.090 | Not Detected | Not Detected |
| Heptane | 0.10 | 0.12 | 0.33 | 0.39 |
| Trichloroethene | 0.10 | 0.10 | Not Detected | Not Detected |
| 4-Methyl-2-pentanone | 0.20 | 0.21 | Not Detected | Not Detected |
| Toluene | 0.10 | 0.094 | 4.4 | 4.2 |
| Tetrachloroethene | 0.10 | 0.12 | Not Detected | Not Detected |
| Chlorobenzene | 0.10 | 0.10 | Not Detected | Not Detected |
| Ethyl Benzene | 0.10 | 0.10 | 0.49 | 0.50 |
| m,p-Xylene | 0.10 | 0.099 | 1.8 | 1.8 |
| o-Xylene | 0.10 | 0.11 | 0.69 | 0.73 |
| Styrene | 0.10 | 0.11 | 0.11 | 0.13 |
| Propylbenzene | 0.10 | 0.12 | 0.17 | 0.21 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.60 | 0.84 |
| 1,4-Dichlorobenzene | 0.10 | 0.14 | Not Detected | Not Detected |
| Naphthalene | 0.10 | 0.28 | Not Detected | Not Detected |

Temperature = 77.0F , duration time = 14398 minutes.

**Container Type: Radiello 130 (Solvent)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 102 | 70-130 |

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**Client Sample ID: PA-W**

**Lab ID#: 2405447-03A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052326sim** | **Date of Collection:** | **5/16/24 12:41:00 PM** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **5/23/24 05:32 PM** |
| | | **Date of Extraction:** | **5/23/24** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | 23 | 15 |
| Methyl tert-butyl ether | 0.10 | 0.11 | Not Detected | Not Detected |
| Hexane | 0.10 | 0.10 | 0.19 | 0.20 |
| Ethyl Acetate | 0.40 | 0.36 | 2.3 | 2.0 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | 6.6 | 5.9 |
| Chloroform | 0.10 | 0.093 | Not Detected | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | 0.11 | Not Detected | Not Detected |
| Cyclohexane | 0.10 | 0.13 | 0.38 | 0.49 |
| Carbon Tetrachloride | 0.10 | 0.10 | 0.25 | 0.26 |
| Benzene | 0.40 | 0.35 | Not Detected | Not Detected |
| 1,2-Dichloroethane | 0.10 | 0.090 | Not Detected | Not Detected |
| Heptane | 0.10 | 0.12 | 0.34 | 0.41 |
| Trichloroethene | 0.10 | 0.10 | Not Detected | Not Detected |
| 4-Methyl-2-pentanone | 0.20 | 0.21 | Not Detected | Not Detected |
| Toluene | 0.10 | 0.094 | 4.8 | 4.5 |
| Tetrachloroethene | 0.10 | 0.12 | Not Detected | Not Detected |
| Chlorobenzene | 0.10 | 0.10 | Not Detected | Not Detected |
| Ethyl Benzene | 0.10 | 0.10 | 0.53 | 0.55 |
| m,p-Xylene | 0.10 | 0.099 | 2.0 | 2.0 |
| o-Xylene | 0.10 | 0.11 | 0.76 | 0.81 |
| Styrene | 0.10 | 0.11 | 0.25 | 0.29 |
| Propylbenzene | 0.10 | 0.12 | 0.16 | 0.19 |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | 0.67 | 0.94 |
| 1,4-Dichlorobenzene | 0.10 | 0.14 | Not Detected | Not Detected |
| Naphthalene | 0.10 | 0.28 | Not Detected | Not Detected |

Temperature = 77.0F , duration time = 14384 minutes.

**Container Type: Radiello 130 (Solvent)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 102 | 70-130 |

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**Client Sample ID: Lab Blank**

**Lab ID#: 2405447-04A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052319sim** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/23/24 02:23 PM** | |
| | | **Date of Extraction: 5/23/24** | |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Ethanol | 1.0 | 0.68 | Not Detected | Not Detected |
| Methyl tert-butyl ether | 0.10 | 0.11 | Not Detected | Not Detected |
| Hexane | 0.10 | 0.10 | Not Detected | Not Detected |
| Ethyl Acetate | 0.40 | 0.36 | Not Detected | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.20 | 0.18 | Not Detected | Not Detected |
| Chloroform | 0.10 | 0.093 | Not Detected | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | 0.11 | Not Detected | Not Detected |
| Cyclohexane | 0.10 | 0.13 | Not Detected | Not Detected |
| Carbon Tetrachloride | 0.10 | 0.10 | Not Detected | Not Detected |
| Benzene | 0.40 | 0.35 | Not Detected | Not Detected |
| 1,2-Dichloroethane | 0.10 | 0.090 | Not Detected | Not Detected |
| Heptane | 0.10 | 0.12 | Not Detected | Not Detected |
| Trichloroethene | 0.10 | 0.10 | Not Detected | Not Detected |
| 4-Methyl-2-pentanone | 0.20 | 0.21 | Not Detected | Not Detected |
| Toluene | 0.10 | 0.094 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.12 | Not Detected | Not Detected |
| Chlorobenzene | 0.10 | 0.10 | Not Detected | Not Detected |
| Ethyl Benzene | 0.10 | 0.10 | Not Detected | Not Detected |
| m,p-Xylene | 0.10 | 0.099 | Not Detected | Not Detected |
| o-Xylene | 0.10 | 0.11 | Not Detected | Not Detected |
| Styrene | 0.10 | 0.11 | Not Detected | Not Detected |
| Propylbenzene | 0.10 | 0.12 | Not Detected | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | 0.14 | Not Detected | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | 0.14 | Not Detected | Not Detected |
| Naphthalene | 0.10 | 0.28 | Not Detected | Not Detected |

Temperature = 77.0F , duration time = 14384 minutes.

**Container Type: Radiello 130 (Solvent)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 101 | 70-130 |

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**Client Sample ID: CCV**

**Lab ID#: 2405447-05A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | |
|---|---|---|
| **File Name:** | **c052309sima** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/23/24 09:51 AM** |
| | | **Date of Extraction: NA** |

| Compound | %Recovery |
|---|---|
| Ethanol | 100 |
| Methyl tert-butyl ether | 106 |
| Hexane | 101 |
| Ethyl Acetate | 107 |
| 2-Butanone (Methyl Ethyl Ketone) | 106 |
| Chloroform | 104 |
| 1,1,1-Trichloroethane | 103 |
| Cyclohexane | 102 |
| Carbon Tetrachloride | 102 |
| Benzene | 104 |
| 1,2-Dichloroethane | 104 |
| Heptane | 102 |
| Trichloroethene | 102 |
| 4-Methyl-2-pentanone | 104 |
| Toluene | 102 |
| Tetrachloroethene | 103 |
| Chlorobenzene | 103 |
| Ethyl Benzene | 102 |
| m,p-Xylene | 101 |
| o-Xylene | 102 |
| Styrene | 103 |
| Propylbenzene | 104 |
| 1,2,4-Trimethylbenzene | 103 |
| 1,4-Dichlorobenzene | 101 |
| Naphthalene | 104 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 107 | 70-130 |

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**Client Sample ID: LCS**

**Lab ID#: 2405447-06A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052316sim** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/23/24 01:03 PM** | |
| | | **Date of Extraction: 5/23/24** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Ethanol | 60 | 50-130 |
| Methyl tert-butyl ether | 91 | 70-130 |
| Hexane | 90 | 70-130 |
| Ethyl Acetate | 91 | 70-130 |
| 2-Butanone (Methyl Ethyl Ketone) | 84 | 70-130 |
| Chloroform | 86 | 70-130 |
| 1,1,1-Trichloroethane | 86 | 70-130 |
| Cyclohexane | 90 | 70-130 |
| Carbon Tetrachloride | 86 | 70-130 |
| Benzene | 84 | 70-130 |
| 1,2-Dichloroethane | 84 | 70-130 |
| Heptane | 89 | 70-130 |
| Trichloroethene | 86 | 70-130 |
| 4-Methyl-2-pentanone | 88 | 70-130 |
| Toluene | 86 | 70-130 |
| Tetrachloroethene | 86 | 70-130 |
| Chlorobenzene | 85 | 70-130 |
| Ethyl Benzene | 89 | 70-130 |
| m,p-Xylene | 86 | 70-130 |
| o-Xylene | 84 | 70-130 |
| Styrene | 62 | 20-100 |
| Propylbenzene | 92 | 70-130 |
| 1,2,4-Trimethylbenzene | 86 | 70-130 |
| 1,4-Dichlorobenzene | 76 | 50-110 |
| Naphthalene | 34 | 5-80 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 101 | 70-130 |

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**Client Sample ID: LCSD**

**Lab ID#: 2405447-06AA**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **c052317sim** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 5/23/24 01:30 PM** | |
| | | **Date of Extraction: 5/23/24** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Ethanol | 62 | 50-130 |
| Methyl tert-butyl ether | 95 | 70-130 |
| Hexane | 93 | 70-130 |
| Ethyl Acetate | 94 | 70-130 |
| 2-Butanone (Methyl Ethyl Ketone) | 88 | 70-130 |
| Chloroform | 90 | 70-130 |
| 1,1,1-Trichloroethane | 88 | 70-130 |
| Cyclohexane | 91 | 70-130 |
| Carbon Tetrachloride | 87 | 70-130 |
| Benzene | 86 | 70-130 |
| 1,2-Dichloroethane | 86 | 70-130 |
| Heptane | 89 | 70-130 |
| Trichloroethene | 87 | 70-130 |
| 4-Methyl-2-pentanone | 88 | 70-130 |
| Toluene | 86 | 70-130 |
| Tetrachloroethene | 86 | 70-130 |
| Chlorobenzene | 84 | 70-130 |
| Ethyl Benzene | 87 | 70-130 |
| m,p-Xylene | 84 | 70-130 |
| o-Xylene | 83 | 70-130 |
| Styrene | 62 | 20-100 |
| Propylbenzene | 91 | 70-130 |
| 1,2,4-Trimethylbenzene | 84 | 70-130 |
| 1,4-Dichlorobenzene | 76 | 50-110 |
| Naphthalene | 34 | 5-80 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 100 | 70-130 |

eurofins | Air Toxics

# Passive Sorbent Chain of Custody

Page 1 of 1

2405447 WO#

Case Seal #: _____

Company: GZA GeoEnvironmental Project #: 20.0150985.19 P.O. #: _____

Project Manager: Heidi Woelfel Project Name: Kids Empire

Contact phone/email: heidi.woelfel@gza.com Collected by: E. Borgardt

| Lab I.D. | Sample Identification | Sampler ID | Date of Deployment (mm/dd/yy) | Time of Deployment (hr:min) | Date of Retrieval (mm/dd/yy) | Time of Retrieval (hr:min) | Sample Matrix (check one): Indoor/Outdoor Air | Soil Gas | Workplace Monitoring | Other ( ) | Analysis Requested | Sample Comments: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01A | PA-E | ZP826 | 05/06/24 | 1245 | 05/16/24 | 1243 | X | | | | TO-17 | |
| 02A | PA-C | ZP828 | 05/06/24 | 1250 | 05/16/24 | 1248 | X | | | | TO-17 | |
| 03A | PA-W | ZP827 | 05/06/24 | 1257 | 05/16/24 | 1241 | X | | | | TO-17 | |
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Reporting Units (circle): ppbv (µg/m3) ppmv mg/m3 µg ng

Turn Around Time: [X] Normal [ ] Rush _____ Specify

| Relinquished by: (signature) | Date | Time | Received by: (signature) | Date | Time | Notes to Lab: |
|---|---|---|---|---|---|---|
| [signature] | 5/16/24 | 1300 | FedEx | 5/16/24 | 1300 | |
| Relinquished by: (signature) | Date | Time | Received by: (signature) | Date | Time | |
| | | | [signature] | 5/20/24 | 0920 | |

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

| Shipper Name: / Air Bill #: | Custody Seals Intact? / Temperature (°C) | Yes / No / None | Sample Condition Upon Receipt: (circle) | Good / SDR |
|---|---|---|---|---|
| Fed Ex | | NA | | |