CTEH®

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

AIR QUALITY ASSESSMENT

Springdale, Arkansas

February 5-8, 2024

Project #037346

Report Submitted on February 26, 2024

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1.0 SUMMARY

On February 5-8, 2024, CTEH®, LLC (CTEH) personnel conducted an air quality assessment near the Waste Management (WM) landfill on Arbor Acres Avenue in Springdale, Arkansas. Air sampling was conducted each day for volatile organic compounds (VOCs), hydrogen sulfide (H_2S), and sulfur dioxide (SO_2) at four locations selected by the Arkansas Division of Environmental Quality (ADEQ). One air sample for VOCs was also collected upwind of the landfill on February 27 to evaluate background VOC concentrations. CTEH personnel also conducted air monitoring at each of the four locations for H_2S, oxygen (O_2), VOCs, SO_2, and atmospheric flammability as a percentage of the lower explosive limit (%LEL).

Acrolein and benzene concentrations in air samples, including the background sampling location, were above Resident Air Regional Screening Levels (RSLs) established by the United States Environmental Protection Agency (USEPA). Results for all other detected VOCs were below screening levels, where established. Results for H_2S were below the Resident Air RSL, and SO2 results were below the Acute Minimal Risk Level (MRL) established by the Agency for Toxic Substances and Disease Registry (ATSDR). Real-time air monitoring results for H_2S, VOCs, SO_2, and %LEL were below instrument detection limits and below Protective Action Criteria (PACs). O_2 concentrations were 20.9%.

2.0 BACKGROUND

CTEH was contracted to perform an air quality assessment near the WM landfill on Arbor Acres Avenue in Springdale, Arkansas. The assessment was in response to community concerns about air quality in the area. Four sampling locations were chosen by ADEQ to represent downwind exposure from the landfill (Appendix A and Table 1). Twenty-four hour air sampling and monitoring was performed beginning on February 5 and ending on February 8.

Table 1 Air Sampling and Monitoring Locations

Location Code	Description
Area 1	By the second light pole on S Pianalto Rd.
Area 2	On the fence across from 18769 Clear Water Rd, Fayetteville, AR 72704
Area 3	On a light pole across from 1497 Arbor Acres Ave, Springdale, AR 72762
Area 4	Corner of Arbor Acres Ave and Dowell Rd
Background	On a light pole 100 yards west of 12104 Red Oak Drive, Fayetteville, AR 72704

3.0 CTEH ACTIVITIES AND OBSERVATIONS

On February 5-8, 2024, CTEH personnel collected area air samples for VOCs, H_2S, and SO_2 and conducted real-time air monitoring for H_2S, VOCs, SO_2, %LEL, and O_2 at four locations. Meteorological parameters observed for each day during the assessment are provided in Table 2.

Table 2 Meteorological Parameters

Date	Time of Day	Temperature Range	Wind Direction	Wind Speed
2/5/24	Morning	54°F - 58°F	North	1.4 mph - 6.5 mph
	Night	40°F	Northeast	1.2 mph
2/6/24	Morning	53°F	Southeast	2 mph – 3 mph
	Night	47°F – 48°F	Southeast	1.5 mph – 2 mph
2/7/24	Morning	56°F - 59°F	South	7 mph – 8 mph
	Night	52°F - 53°F	South	4.3 mph – 10 mph
2/8/24	Morning	61°F - 62°F	Southwest	5 mph – 14 mph

Meteorological data was captured using a Kestrel 5000 environmental meter.
All meteorological data was collected each day between 10:30-1200 CST and 2240-2315 CST.

4.0 COMMUNITY EXPOSURE GUIDELINES

4.1 Air Sampling

The USEPA has developed RSLs, which are risk-based concentrations that are considered to be protective for humans over a lifetime (USEPA 2023). Results of air samples were compared to USEPA Resident Air RSLs, where established (Appendices B and C). No RSL is available for SO_2; the results of SO_2 samples were compared to the ATSDR Acute MRL. Acute MRLs assume an exposure period of about 1-14 days (Appendix C). No intermediate or chronic MRL has been developed for SO_2 for exposure durations of 15-365 days or >364 days, respectively (ATSDR 2024).

4.2 Real-Time Air Monitoring

The U.S. Department of Energy's Subcommittee on Consequence Assessment and Protective Actions (SCAPA) has established PACs for over 3,000 chemicals for planning and response to uncontrolled releases of hazardous chemicals. These criteria, combined with estimates of exposure, provide the information necessary to evaluate chemical release events for the purpose of taking appropriate protective actions. These criteria may be used to evaluate the severity of the event and to inform decision-makers regarding what protective actions should be taken (USDOE PAC 2023). Table 3 provides the PACs for H_2S and SO_2.

Air quality parameters such as O_2 and %LEL have industry-specific guidelines for occupational settings, whereas some parameters have no established comparison values. The normal range for O_2 is 19.5-23.5% per 29 CFR 1910.134. In a standard environment, %LEL should not be detected. VOCs as a group do not have any established standards or guidelines; VOC monitoring was conducted to supplement air sampling.

Table 3 Real-Time PACs

		PACs based on AEGLs, ERPGs, or TEELs			
Chemical Name	CAS No.	PAC-1	PAC-2	PAC-3	Units
Hydrogen Sulfide	7783-06-4	0.51	27	50	ppm
Sulfur Dioxide	7446-09-5	0.20	0.75	30	ppm

ppm = parts per million.
PAC-1 based on the applicable AEGL-1, ERPG-1, or TEEL-1 value, PAC-2 based on AEGL-2, ERPG-2, or TEEL-2 , etc.

5.0 METHODS

5.1 Air Sampling

Air samples for VOCs were collected using 6-liter evacuated canisters (SUMMA® canisters) with 24-hour flow control regulators to sample air over three 24-hour periods. These 24-hour air samples were analyzed for VOCs by USEPA method TO-15 plus tentatively identified compounds (TICs). A background air sample was collected for VOCs upwind of site on Red Oak Drive for comparison to downwind samples.

Air samples for H_2S were collected using passive Radiello® sampling badges, which were analyzed by the SGS Galson in-house method WET-SOP-13. H_2S samples were collected for three 24-hour periods. Each SO_2 air sample was collected using an SKC Touch sampling pump connected to the sampling media with flexible tubing. SO_2 samples were collected for six 12-hour periods. Before and after each use, the volumetric airflow rate for each pump was calibrated using a BIOS DryCal Defender primary flow meter. After connecting the sampling media to the flow meter, the pump was activated, the flow rate was allowed to stabilize, and the average of three consecutive airflow measurements was recorded as the flow rate. Each pump was calibrated in the flow rate range specified in the National Institute for Occupational Safety and Health (NIOSH) 6004 sampling method. Field blanks for H_2S and SO_2 were collected as a quality control measure. All air samples were sent under chain of custody to SGS Galson Lab, an AIHA-accredited laboratory.

5.2 Real-Time Air Monitoring

Measurements for H_2S, VOCs, SO_2, %LEL, and O_2 were measured using a RAE Systems by Honeywell MultiRAE Pro with chemical-specific sensors, a photo-ionization detector (PID) for VOCs, and a combustible gas sensor for %LEL. Prior to monitoring, equipment was calibrated daily based on sensor specifications.

6.0 RESULTS AND DISCUSSION

Air sampling results for VOCs are provided in Appendix B, and results for H_2S and SO_2 are provided in Appendix C. Real-time air monitoring results are provided in Appendix D. The laboratory reports for air samples are provided in Appendix E.

6.1 Air Sampling

Results of air samples for VOCs indicate that acrolein and benzene concentrations were above USEPA Resident Air RSLs. Concentrations of acrolein were above the RSL at all four locations on February 6-7, 2024, and in three of the four locations on February 7-8, 2024, with estimated detections ranging from 0.094 parts per billion (ppb) through 0.14 ppb. The estimated detection of acrolein in the background sample collected on February 7-8, 2024, was 0.094 ppb and was also above the RSL. Benzene was detected at concentrations above the USEPA Resident Air RSL in air samples from all four locations on all three days. Results for benzene ranged from 0.13 ppb (estimated detection) through 0.32 ppb. The benzene concentration in the background sample was estimated at 0.12 ppb, which is also above the RSL. Nineteen other VOCs were detected at concentrations below established RSLs.

Six additional compounds, including 2,2,4-trimethylpentane, acetone, freon 11, m- and p-xylenes, n-butane, and nonanal, were detected in one or more samples but do not have established USEPA RSLs. Nonanal concentrations were below background levels. Results for the other five compounds were above background concentrations in one or more samples. Results for all other VOCs were below method detection limits (MDLs); however, MDLs for several VOCs were below corresponding RSLs.

H_2S results for all air samples were below MDLs, but MDLs were above the USEPA RSL of 1.5 ppb. SO_2 air sampling results were below MDLs and below the ATSDR Acute MRL of 0.01 parts per million (ppm).

6.2 Real-Time Air Monitoring

A total of 120 real-time readings were collected during the assessment. Results are summarized in Table 4. Real-time air monitoring results for VOCs, H_2S, SO_2, and %LEL were below instrument detection limits and below PACs. O_2 concentrations were 20.9% at all locations and typical of normal environments.

Table 4 Real-Time Air Monitoring Results

Analyte	Instrument	Number of Readings	Number of Detections	Range of Detections				Units
				Area 1	Area 2	Area 3	Area 4	
VOCs	MultiRAE Pro	24	0	<0.1	< 0.1	< 0.1	< 0.1	ppm
O_2	MultiRAE Pro	24	24	20.9	20.9	20.9	20.9	%
H_2S	MultiRAE Pro	24	0	< 0.1	< 0.1	< 0.1	< 0.1	ppm
%LEL	MultiRAE Pro	24	0	<1	< 1	< 1	< 1	ppm
SO_2	MultiRAE Pro	24	0	<0.1	< 0.1	< 0.1	< 0.1	ppm

ppm = parts per million; % = percent
Where analytes were not detected, the range is shown as less than (<) the instrument detection limit.

7.0 CONCLUSION

Air sampling results indicate that acrolein and benzene concentrations were above Residential Air RSLs, including at the background sampling location, and five additional VOCs without RSLs were detected above background levels. Several VOCs as well as H_2S had results below MDLs but have RSLs that are below MDLs. Air sampling results for SO_2 were below the ATSDR Acute MRL. Real-time air monitoring results indicated VOCs, H_2S, SO_2, %LEL, and O_2 levels were representative of normal air quality conditions.

8.0 RECOMMENDATIONS

More rigorous sampling and/or analyses may be needed to achieve lower detection limits for comparison to low-level USEPA RSLs, and further investigation may be warranted to determine potential sources of acrolein and benzene.

9.0 REFERENCES

ATSDR (2024). Minimal Risk Levels (MRLs) for Hazardous Substances. Available at: https://wwwn.cdc.gov/TSP/MRLS/mrlsListing.aspx

NIOSH (2020). National Institute for Occupational Safety and Health (NIOSH) Manual of Analytical Methods (NMAM), 5th edition. Last reviewed September 20, 2018.

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OSHA Respiratory Protection. 29 CFR 1910.134. Available at: https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.134

US Department of Energy (2023). Protective Action Criteria (PAC) with AEGLs, ERPGs, & TEELs. Office of Environment, Health, Safety & Security. Updated October 11, 2023. Available at: https://www.energy.gov/ehss/protective-action-criteria-pac-aegls-erpgs-teels

USEPA (1999). "Air Method, Toxic Organics-15 (TO-15): Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition: Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)." EPA 625/R-96/010b.

USEPA (2023). Regional Screening Levels (RSLs). Available at: https://www.epa.gov/risk/regional-screening-levels-rsls

Appendix A

Air Sampling and Monitoring Locations

CTEH®

Analytical Sampling Locations

Air Quality Assessment

Project: PROJ-037346
Client: ADEQ
City: Springdale, Arkansas
County: Washington

Projection: NAD 1983 NSRS2007 StatePlane Texas North Central FIPS 4202 FtUS

Datum: NAD 1983 NSRS2007

0 245 490 980 1,470 1,960 Feet

Updated at 2023-02-09 09:12

Appendix B

VOC Sampling Results

Laboratory Results | mod. OSHA PV2120/mod. EPA TO15; GC/MS

PROJ-037346 | Air Quality Assessment

Data Updated at 2/23/2024 10:52:47 AM

Result Type	Analyte	Cas No	Residential RSLs (ppb)	2524MC01 Area 1 2/20/2024	2524MC02 Area 2 2/20/2024	2524MC03 Area 3 2/20/2024	2524MC04 Area 4 2/20/2024	2624MC01 Area 1 2/20/2024	2624MC02 Area 2 2/20/2024	2624MC03 Area 3 2/20/2024	2624MC04 Area 4 2/20/2024
Target Analyte	1,1-DICHLOROETHANE	75-34-3	0.445	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,1-DICHLOROETHENE	75-35-4	52.964	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV
	1,1,1-TRICHLOROETHANE	71-55-6	953.002	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,1,2-TRICHLOROETHANE	79-00-5	0.033	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV
	1,1,2,2-TETRACHLOROETHANE	79-34-5	0.007	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	1,2-DIBROMOETHANE	106-93-4	0.001	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	1,2-DICHLOROBENZENE	95-50-1	34.929	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV
	1,2-DICHLOROETHANE	107-06-2	0.027	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	1,2-DICHLOROPROPANE	78-87-5	0.164	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV
	1,2,4-TRICHLOROBENZENE	120-82-1	0.283	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	0.1 PPBV (J)	< 0.093 PPBV
	1,2,4-TRIMETHYLBENZENE	95-63-6	12.815	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV
	1,3-BUTADIENE	106-99-0	0.042	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV
	1,3-DICHLOROBENZENE	541-73-1	Null	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,3,5-TRIMETHYLBENZENE	108-67-8	12.815	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV
	1,4-DICHLOROBENZENE	106-46-7	0.043	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV
	1,4-DIOXANE	123-91-1	0.155	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV
	2-CHLOROTOLUENE	95-49-8	Null	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	2,2,4-TRIMETHYLPENTANE	540-84-1	Null	< 0.05 PPBV	0.1 PPBV (J)	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	0.093 PPBV (J)	< 0.05 PPBV
	4-ETHYLTOLUENE	622-96-8	Null	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	ACETONE	67-64-1	Null	1.6 PPBV	1.7 PPBV	2.5 PPBV	2 PPBV	4.5 PPBV	4.2 PPBV	4.7 PPBV	3 PPBV
	ACETONITRILE	75-05-8	37.521	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV	< 0.19 PPBV
	ACROLEIN	107-02-8	0.009	< 0.068 PPBV	< 0.068 PPBV	< 0.068 PPBV	< 0.068 PPBV	0.11 PPBV (J)	0.095 PPBV (J)	0.13 PPBV (J)	0.11 PPBV (J)
	ACRYLONITRILE	107-13-1	0.019	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV
	ALLYL CHLORIDE	107-05-1	0.150	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV
	BENZENE	71-43-2	0.113	0.16 PPBV	0.22 PPBV	0.2 PPBV	0.2 PPBV	0.3 PPBV	0.2 PPBV	0.32 PPBV	0.18 PPBV
	BENZYL CHLORIDE	100-44-7	0.011	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV
	BROMODICHLOROMETHANE	75-27-4	0.011	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	BROMOFORM	75-25-2	0.252	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	BROMOMETHANE	74-83-9	1.339	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV
	CARBON DISULFIDE	75-15-0	234.420	< 0.14 PPBV	0.43 PPBV (J)	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	0.48 PPBV (J)	< 0.14 PPBV
	CARBON TETRACHLORIDE	56-23-5	0.075	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV
	CHLOROBENZENE	108-90-7	11.295	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	CHLOROETHANE	75-00-3	1,591.723	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV
	CHLOROFORM	67-66-3	0.025	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV
	CHLOROMETHANE	74-87-3	45.522	0.45 PPBV	0.45 PPBV	0.47 PPBV	0.5 PPBV	0.57 PPBV	0.47 PPBV	0.61 PPBV	0.5 PPBV
	CIS-1,2-DICHLOROETHYLENE	156-59-2	10.593	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	CIS-1,3-DICHLOROPROPENE	10061-01-5	Null	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	CUMENE	98-82-8	85.433	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV
	CYCLOHEXANE	110-82-7	1,830.199	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV
	DIBROMOCHLOROMETHANE	124-48-1	Null	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV
	ETHYL ACETATE	141-78-6	20.258	0.093 PPBV (J)	< 0.068 PPBV	0.38 PPBV	< 0.068 PPBV	0.26 PPBV	0.16 PPBV (J)	0.38 PPBV	0.11 PPBV (J)
	ETHYL BROMIDE	74-96-4	Null	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	ETHYLBENZENE	100-41-4	0.253	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	0.1 PPBV (J)	0.09 PPBV (J)	0.13 PPBV (J)	< 0.048 PPBV
	FREON 11	75-69-4	Null	0.21 PPBV	0.24 PPBV	0.24 PPBV	0.23 PPBV	0.25 PPBV	0.22 PPBV	0.26 PPBV	0.23 PPBV
	FREON 12	75-71-8	20.222	0.45 PPBV	0.48 PPBV	0.46 PPBV	0.47 PPBV	0.47 PPBV	0.44 PPBV	0.45 PPBV	0.44 PPBV
	FREON 113	76-13-1	678.514	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	FREON 114	76-14-2	Null	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	HEPTANE	142-82-5	102.475	< 0.051 PPBV	0.13 PPBV (J)	0.14 PPBV (J)	0.092 PPBV (J)	0.15 PPBV (J)	< 0.051 PPBV	0.17 PPBV	0.1 PPBV (J)
	HEXACHLORO-1,3-BUTADIENE	87-68-3	0.012	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV
	HEXANE	110-54-3	207.112	0.13 PPBV (J)	0.25 PPBV	0.16 PPBV	0.15 PPBV (J)	0.17 PPBV	0.15 PPBV (J)	0.21 PPBV	0.12 PPBV (J)

Laboratory non-detections are reported as less than ("<") the laboratory method detection limit (MDL).
Laboratory result qualifiers are reported to the right of corresponding detections (in parentheses). Definitions of reported qualifiers are below:
J: Result is estimated between the laboratory method detection limit and reporting limit.
**USEPA Regional Screening Levels for Composite Residential Air correspond to a hazard index of 1 or a carcinogenic risk of 1x1E-06 (1 in 1,000,000) or non-carcinogenic values were used where a carcinogenic value was not established.
***Note: Null values indicate that no residential RSL is established for the corresponding substance.
https://semspub.epa.gov/work/HQ/404342.pdf

Screening Values Color

- Detection Above Screening Value
- Detection Below Screening Value
- Detection-No Screening Value Established
- NA
- Not Detected
- Not Detected, Laboratory LOQ Above Screening Value

Laboratory Results | mod. OSHA PV2120/mod. EPA TO15; GC/MS

PROJ-037346 | Air Quality Assessment

Data Updated at 2/23/2024 10:52:47 AM

Result Type	Analyte	Cas No	Residential RSLs (ppb)	2724MC01 Area 1 2/20/2024	2724MC02 Area 2 2/20/2024	2724MC03 Area 3 2/20/2024	2724MC04 Area 4 2/20/2024	2724MCBG Back Ground 2/20/2024
Target Analyte	1,1-DICHLOROETHANE	75-34-3	0.445	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,1-DICHLOROETHENE	75-35-4	52.964	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV
	1,1,1-TRICHLOROETHANE	71-55-6	953.002	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,1,2-TRICHLOROETHANE	79-00-5	0.033	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV
	1,1,2,2-TETRACHLOROETHANE	79-34-5	0.007	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	1,2-DIBROMOETHANE	106-93-4	0.001	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	1,2-DICHLOROBENZENE	95-50-1	34.929	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV	< 0.044 PPBV
	1,2-DICHLOROETHANE	107-06-2	0.027	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	1,2-DICHLOROPROPANE	78-87-5	0.164	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV	< 0.042 PPBV
	1,2,4-TRICHLOROBENZENE	120-82-1	0.283	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV	< 0.093 PPBV
	1,2,4-TRIMETHYLBENZENE	95-63-6	12.815	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV
	1,3-BUTADIENE	106-99-0	0.042	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV	< 0.07 PPBV
	1,3-DICHLOROBENZENE	541-73-1	Null	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	1,3,5-TRIMETHYLBENZENE	108-67-8	12.815	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV
	1,4-DICHLOROBENZENE	106-46-7	0.043	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV
	1,4-DIOXANE	123-91-1	0.155	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV	< 0.064 PPBV
	2-CHLOROTOLUENE	95-49-8	Null	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	2,2,4-TRIMETHYLPENTANE	540-84-1	Null	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	4-ETHYLTOLUENE	622-96-8	Null	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	ACETONE	67-64-1	Null	2.3 PPBV	1.6 PPBV	3.5 PPBV	2.8 PPBV	1.8 PPBV
	ACETONITRILE	75-05-8	37.521	< 0.19 PPBV	< 0.19 PPBV	0.34 PPBV (J)	< 0.19 PPBV	< 0.19 PPBV
	ACROLEIN	107-02-8	0.009	< 0.068 PPBV	0.14 PPBV (J)	0.095 PPBV (J)	0.12 PPBV (J)	0.094 PPBV (J)
	ACRYLONITRILE	107-13-1	0.019	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV	< 0.069 PPBV
	ALLYL CHLORIDE	107-05-1	0.150	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV	< 0.061 PPBV
	BENZENE	71-43-2	0.113	0.14 PPBV (J)	0.13 PPBV (J)	0.18 PPBV	0.14 PPBV (J)	0.12 PPBV (J)
	BENZYL CHLORIDE	100-44-7	0.011	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV	< 0.086 PPBV
	BROMODICHLOROMETHANE	75-27-4	0.011	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	BROMOFORM	75-25-2	0.252	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	BROMOMETHANE	74-83-9	1.339	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV
	CARBON DISULFIDE	75-15-0	234.420	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV
	CARBON TETRACHLORIDE	56-23-5	0.075	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV	< 0.041 PPBV
	CHLOROBENZENE	108-90-7	11.295	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	CHLOROETHANE	75-00-3	1,591.723	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV	< 0.084 PPBV
	CHLOROFORM	67-66-3	0.025	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV
	CHLOROMETHANE	74-87-3	45.522	0.5 PPBV	0.49 PPBV	0.5 PPBV	0.51 PPBV	0.5 PPBV
	CIS-1,2-DICHLOROETHYLENE	156-59-2	10.593	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	CIS-1,3-DICHLOROPROPENE	10061-01-5	Null	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV	< 0.045 PPBV
	CUMENE	98-82-8	85.433	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV	< 0.046 PPBV
	CYCLOHEXANE	110-82-7	1,830.199	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV	< 0.058 PPBV
	DIBROMOCHLOROMETHANE	124-48-1	Null	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV	< 0.053 PPBV
	ETHYL ACETATE	141-78-6	20.258	0.23 PPBV	< 0.068 PPBV	< 0.068 PPBV	< 0.068 PPBV	< 0.068 PPBV
	ETHYL BROMIDE	74-96-4	Null	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	ETHYLBENZENE	100-41-4	0.253	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV
	FREON 11	75-69-4	Null	0.22 PPBV	0.21 PPBV	0.22 PPBV	0.22 PPBV	0.21 PPBV
	FREON 12	75-71-8	20.222	0.47 PPBV	0.44 PPBV	0.46 PPBV	0.45 PPBV	0.46 PPBV
	FREON 113	76-13-1	678.514	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV	< 0.05 PPBV
	FREON 114	76-14-2	Null	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	HEPTANE	142-82-5	102.475	0.092 PPBV (J)	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	HEXACHLORO-1,3-BUTADIENE	87-68-3	0.012	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV	< 0.057 PPBV
	HEXANE	110-54-3	207.112	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV	< 0.056 PPBV

Laboratory non-detections are reported as less than ("<") the laboratory method detection limit (MDL).
Laboratory result qualifiers are reported to the right of corresponding detections (in parentheses). Definitions of reported qualifiers are below:
J: Result is estimated between the laboratory method detection limit and reporting limit.
**USEPA Regional Screening Levels for Composite Residential Air correspond to a hazard index of 1 or a carcinogenic risk of 1x1E-06 (1 in 1,000,000) or non-carcinogenic values were used where a carcinogenic value was not established.
***Note: Null values indicate that no residential RSL is established for the corresponding substance.
https://semspub.epa.gov/work/HQ/404342.pdf

Screening Values Color

- Detection Above Screening Value
- Detection Below Screening Value
- Detection-No Screening Value Established
- NA
- Not Detected
- Not Detected, Laboratory LOQ Above Screening Value

Laboratory Results | mod. OSHA PV2120/mod. EPA TO15; GC/MS

PROJ-037346 | Air Quality Assessment

Data Updated at 2/23/2024 10:52:47 AM

Result Type	Analyte	Cas No	Residential RSLs (ppb)	2524MC01 Area 1 2/20/2024	2524MC02 Area 2 2/20/2024	2524MC03 Area 3 2/20/2024	2524MC04 Area 4 2/20/2024	2624MC01 Area 1 2/20/2024	2624MC02 Area 2 2/20/2024	2624MC03 Area 3 2/20/2024	2624MC04 Area 4 2/20/2024
Target Analyte	ISOPROPYL ALCOHOL	67-63-0	85.437	0.53 PPBV	0.38 PPBV (J)	1.1 PPBV	0.37 PPBV (J)	0.52 PPBV	< 0.17 PPBV	< 0.17 PPBV	< 0.17 PPBV
	M,P-XYLENES	179601-23-1	Null	0.15 PPBV (J)	0.18 PPBV (J)	0.22 PPBV (J)	0.15 PPBV (J)	0.25 PPBV (J)	0.3 PPBV (J)	0.31 PPBV (J)	0.15 PPBV (J)
	METHYL BUTYL KETONE	591-78-6	7.567	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV
	METHYL ETHYL KETONE	78-93-3	1,763.189	0.59 PPBV	0.11 PPBV (J)	0.52 PPBV	0.27 PPBV	0.73 PPBV	0.33 PPBV	0.68 PPBV	0.4 PPBV
	METHYL ISOBUTYL KETONE	108-10-1	756.739	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV
	METHYL METHACRYLATE	80-62-6	178.271	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV
	METHYL TERTIARY BUTYL ETHER	1634-04-4	3.051	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV
	METHYLENE CHLORIDE	75-09-2	28.787	0.13 PPBV (J)	0.14 PPBV (J)	0.16 PPBV (J)	0.16 PPBV (J)	0.15 PPBV (J)	0.12 PPBV (J)	0.16 PPBV	0.12 PPBV (J)
	N-BUTANE	106-97-8	Null	0.96 PPBV	1 PPBV	1.1 PPBV	1 PPBV	1.5 PPBV	1.3 PPBV	1.7 PPBV	1.1 PPBV
	N-PROPYLBENZENE	103-65-1	203.411	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV
	NAPHTHALENE	91-20-3	0.016	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV
	NONANE	111-84-2	4.003	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV
	O-XYLENE	95-47-6	23.029	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	0.11 PPBV (J)	0.11 PPBV (J)	< 0.055 PPBV
	PENTANE	109-66-0	338.873	0.25 PPBV	0.48 PPBV	0.38 PPBV	0.29 PPBV	0.75 PPBV	0.3 PPBV	0.77 PPBV	0.38 PPBV
	PROPYLENE	115-07-1	1,801.169	0.52 PPBV	0.7 PPBV	0.66 PPBV	0.53 PPBV	1.2 PPBV	0.72 PPBV	1.3 PPBV	0.73 PPBV
	STYRENE	100-42-5	234.758	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	TERT-BUTYL ALCOHOL	75-65-0	1,715.234	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV
	TETRACHLOROETHYLENE	127-18-4	1.622	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV
	TETRAHYDROFURAN	109-99-9	712.057	< 0.065 PPBV	< 0.065 PPBV	< 0.065 PPBV	< 0.065 PPBV	0.15 PPBV (J)	< 0.065 PPBV	0.17 PPBV	< 0.065 PPBV
	TOLUENE	108-88-3	1,379.827	0.86 PPBV	0.37 PPBV	1.3 PPBV	0.31 PPBV	0.66 PPBV	0.29 PPBV	0.74 PPBV	0.36 PPBV
	TRANS-1,2-DICHLOROETHENE	156-60-5	10.593	0.63 PPBV	< 0.051 PPBV	2.8 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	TRANS-1,3-DICHLOROPROPENE	10061-02-6	Null	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV
	TRICHLOROETHYLENE	79-01-6	0.089	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	VINYL ACETATE	108-05-4	59.640	0.095 PPBV (J)	0.14 PPBV (J)	0.12 PPBV (J)	0.12 PPBV (J)	0.14 PPBV (J)	0.13 PPBV (J)	0.16 PPBV (J)	0.11 PPBV (J)
	VINYL BROMIDE	593-60-2	0.043	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	VINYL CHLORIDE	75-01-4	0.067	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV
Tentatively Identified Compound	NO VOLATILES FOUND		Null	0 PPBV	0 PPBV	0 PPBV	0 PPBV	NA	0 PPBV	0 PPBV	NA
	NONANAL	124-19-6	Null	NA	NA	NA	NA	1.1 PPBV (J)	NA	NA	1.5 PPBV (J)
	UNKNOWN COMPOUND 1		Null	NA	NA	NA	NA	1.4 PPBV (J)	NA	NA	NA

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https://semspub.epa.gov/work/HQ/404342.pdf

Screening Values Color

- Detection Above Screening Value
- Detection Below Screening Value
- Detection-No Screening Value Established
- NA
- Not Detected
- Not Detected, Laboratory LOQ Above Screening Value

Laboratory Results | mod. OSHA PV2120/mod. EPA TO15; GC/MS

PROJ-037346 | Air Quality Assessment

Data Updated at 2/23/2024 10:52:47 AM

Result Type	Analyte	Cas No	Residential RSLs (ppb)	2724MC01 Area 1 2/20/2024	2724MC02 Area 2 2/20/2024	2724MC03 Area 3 2/20/2024	2724MC04 Area 4 2/20/2024	2724MCBG Back Ground 2/20/2024
Target Analyte	ISOPROPYL ALCOHOL	67-63-0	85.437	< 0.17 PPBV	< 0.17 PPBV	0.2 PPBV (J)	< 0.17 PPBV	< 0.17 PPBV
	M,P-XYLENES	179601-23-1	Null	< 0.1 PPBV	< 0.1 PPBV	< 0.1 PPBV	< 0.1 PPBV	< 0.1 PPBV
	METHYL BUTYL KETONE	591-78-6	7.567	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV	< 0.092 PPBV
	METHYL ETHYL KETONE	78-93-3	1,763.189	0.67 PPBV	< 0.06 PPBV	0.4 PPBV	< 0.06 PPBV	0.68 PPBV
	METHYL ISOBUTYL KETONE	108-10-1	756.739	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV	< 0.083 PPBV
	METHYL METHACRYLATE	80-62-6	178.271	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV	< 0.059 PPBV
	METHYL TERTIARY BUTYL ETHER	1634-04-4	3.051	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV	< 0.047 PPBV
	METHYLENE CHLORIDE	75-09-2	28.787	0.12 PPBV (J)	0.12 PPBV (J)	0.2 PPBV	0.13 PPBV (J)	0.12 PPBV (J)
	N-BUTANE	106-97-8	Null	0.81 PPBV	0.42 PPBV	0.62 PPBV	0.51 PPBV	0.41 PPBV
	N-PROPYLBENZENE	103-65-1	203.411	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV	< 0.054 PPBV
	NAPHTHALENE	91-20-3	0.016	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV	< 0.14 PPBV
	NONANE	111-84-2	4.003	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV	< 0.063 PPBV
	O-XYLENE	95-47-6	23.029	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV	< 0.055 PPBV
	PENTANE	109-66-0	338.873	0.3 PPBV	0.13 PPBV (J)	0.36 PPBV	0.19 PPBV	0.15 PPBV (J)
	PROPYLENE	115-07-1	1,801.169	0.49 PPBV (J)	0.34 PPBV (J)	0.42 PPBV (J)	0.32 PPBV (J)	0.27 PPBV (J)
	STYRENE	100-42-5	234.758	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	TERT-BUTYL ALCOHOL	75-65-0	1,715.234	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV	< 0.16 PPBV
	TETRACHLOROETHYLENE	127-18-4	1.622	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV	< 0.049 PPBV
	TETRAHYDROFURAN	109-99-9	712.057	< 0.065 PPBV	< 0.065 PPBV	< 0.065 PPBV	< 0.065 PPBV	< 0.065 PPBV
	TOLUENE	108-88-3	1,379.827	0.18 PPBV	< 0.05 PPBV	0.19 PPBV	< 0.05 PPBV	0.12 PPBV (J)
	TRANS-1,2-DICHLOROETHENE	156-60-5	10.593	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV	< 0.051 PPBV
	TRANS-1,3-DICHLOROPROPENE	10061-02-6	Null	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV	< 0.048 PPBV
	TRICHLOROETHYLENE	79-01-6	0.089	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	VINYL ACETATE	108-05-4	59.640	< 0.075 PPBV	< 0.075 PPBV	< 0.075 PPBV	< 0.075 PPBV	< 0.075 PPBV
	VINYL BROMIDE	593-60-2	0.043	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV	< 0.043 PPBV
	VINYL CHLORIDE	75-01-4	0.067	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV	< 0.062 PPBV
Tentatively Identified Compound	NO VOLATILES FOUND		Null	0 PPBV	0 PPBV	NA	NA	NA
	NONANAL	124-19-6	Null	NA	NA	NA	1.2 PPBV (J)	4 PPBV (J)
	UNKNOWN COMPOUND 1		Null	NA	NA	3.4 PPBV (J)	NA	NA

Laboratory non-detections are reported as less than ("<") the laboratory method detection limit (MDL).
Laboratory result qualifiers are reported to the right of corresponding detections (in parentheses). Definitions of reported qualifiers are below:
J: Result is estimated between the laboratory method detection limit and reporting limit.
**USEPA Regional Screening Levels for Composite Residential Air correspond to a hazard index of 1 or a carcinogenic risk of 1x1E-06 (1 in 1,000,000) or non-carcinogenic values were used where a carcinogenic value was not established.
***Note: Null values indicate that no residential RSL is established for the corresponding substance.
https://semspub.epa.gov/work/HQ/404342.pdf

Screening Values Color

- Detection Above Screening Value
- Detection Below Screening Value
- Detection-No Screening Value Established
- NA
- Not Detected
- Not Detected, Laboratory LOQ Above Screening Value

Appendix C

H_2S and SO_2 Sampling Results

Hydrogen Sulfide Sampling Results

Date	Sample ID	Location	Sample Period (min)	Analyte	Results	USEPA RSL	Units
2/5/2024	2524R01	Area 1 - By second light pole on S Pianalto Rd.	1417	Hydrogen Sulfide	<8.8	1.5	ppb
	2524R02	Area 2 - On fence line across from 18769 Clear Water Rd.	1416	Hydrogen Sulfide	<8.8	1.5	ppb
	2524R03	Area 3 - On light pole across from 1497 Arbor Acres Ave.	1422	Hydrogen Sulfide	<8.8	1.5	ppb
	2524R04	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	1416	Hydrogen Sulfide	<8.8	1.5	ppb
2/6/2024	2624R01	Area 1 - By second light pole on S Pianalto Rd.	1438	Hydrogen Sulfide	<8.7	1.5	ppb
	2624R02	Area 2 - On fence line across from 18769 Clear Water Rd.	1440	Hydrogen Sulfide	<8.7	1.5	ppb
	2624R03	Area 3 - On light pole across from 1497 Arbor Acres Ave.	1439	Hydrogen Sulfide	<8.7	1.5	ppb
	2624R04	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	1436	Hydrogen Sulfide	<8.7	1.5	ppb
2/7/2024	2624R01	Area 1 - By second light pole on S Pianalto Rd.	1440	Hydrogen Sulfide	<8.7	1.5	ppb
	2624R02	Area 2 - On fence line across from 18769 Clear Water Rd.	1433	Hydrogen Sulfide	<8.7	1.5	ppb
	2624R03	Area 3 - On light pole across from 1497 Arbor Acres Ave.	1427	Hydrogen Sulfide	<8.8	1.5	ppb
	2624R04	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	1426	Hydrogen Sulfide	<8.8	1.5	ppb

"<" preceding a value indicates that analyte was not detected at concentration above the method detection limit.

Results for all air samples were below MDLs, but MDLs were above the USEPA RSL.

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Sulfur Dioxide Sampling Results

Date	Sample ID	Location	Sample Period (min)	Results	ATSDR Acute MRL	Units
2/5/2024	2524A01A	Area 1 - By second light pole on S Pianalto Rd.	700	<0.0091	0.01	ppm
	2524A02A	Area 2 - On fence line across from 18769 Clear Water Rd.	694	<0.0092	0.01	ppm
	2524A03A	Area 3 - On light pole across from 1497 Arbor Acres Ave.	689	<0.0095	0.01	ppm
	2524A04A	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	678	<0.0094	0.01	ppm
	2524A01B	Area 1 - By second light pole on S Pianalto Rd.	718	<0.0089	0.01	ppm
	2524A02B	Area 2 - On fence line across from 18769 Clear Water Rd.	722	<0.0088	0.01	ppm
	2524A03B	Area 3 - On light pole across from 1497 Arbor Acres Ave.	732	<0.0087	0.01	ppm
	2524A04B	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	738	<0.0085	0.01	ppm
2/6/2024	2624A01A	Area 1 - By second light pole on S Pianalto Rd.	719	<0.0088	0.01	ppm
	2624A02A	Area 2 - On fence line across from 18769 Clear Water Rd.	712	<0.0088	0.01	ppm
	2624A03A	Area 3 - On light pole across from 1497 Arbor Acres Ave.	702	<0.0090	0.01	ppm
	2624A04A	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	697	<0.0090	0.01	ppm
	2624A01B	Area 1 - By second light pole on S Pianalto Rd.	719	<0.0088	0.01	ppm
	2624A02B	Area 2 - On fence line across from 18769 Clear Water Rd.	729	<0.0087	0.01	ppm
	2624A03B	Area 3 - On light pole across from 1497 Arbor Acres Ave.	737	<0.0087	0.01	ppm
	2624A04B	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	739	<0.0086	0.01	ppm
2/7/2024	2724A01A	Area 1 - By second light pole on S Pianalto Rd.	717	<0.0087	0.01	ppm
	2724A02A	Area 2 - On fence line across from 18769 Clear Water Rd.	708	<0.0089	0.01	ppm
	2724A03A	Area 3 - On light pole across from 1497 Arbor Acres Ave.	700	<0.0090	0.01	ppm
	2724A04A	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	695	<0.0090	0.01	ppm
	2724A01B	Area 1 - By second light pole on S Pianalto Rd.	722	<0.0088	0.01	ppm
	2724A02B	Area 2 - On fence line across from 18769 Clear Water Rd.	726	<0.0087	0.01	ppm
	2724A03B	Area 3 - On light pole across from 1497 Arbor Acres Ave.	727	<0.0086	0.01	ppm
	2724A04B	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	730	<0.0086	0.01	ppm

ppm = parts per million; "<" preceding a value indicates that analyte was not detected at concentration above the laboratory detection limit.

ATSDR Acute MRL = Agency for Toxic Substances and Disease Registry -Minimal Risk Levels

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Appendix D

Real-Time Air Monitoring Results

Date	Time	Location	Instrument	Analyte	Result	Units
2/5/2024	1108	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1122	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1133	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1150	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2248	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2256	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2302	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2308	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%

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Date	Time	Location	Instrument	Analyte	Result	Units
2/6/2024	1047	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1101	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1117	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1128	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2246	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2252	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2259	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2305	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%

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Date	Time	Location	Instrument	Analyte	Result	Units
2/7/2024	1045	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1100	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1115	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1125	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2243	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2248	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2255	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	2300	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%

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Date	Time	Location	Instrument	Analyte	Result	Units
2/8/2024	1045	Area 1 - By second light pole on S Pianalto Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1054	Area 2 - On fence line across from 18769 Clear Water Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1102	Area 3 - On light pole across from 1497 Arbor Acres Ave.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%
	1111	Area 4 - Corner of Arbor Acres Ave and Dowell Rd.	MultiRAE Pro	VOCs	<0.1	ppm
			MultiRAE Pro	Oxygen	20.9	%
			MultiRAE Pro	H_2S	<0.1	ppm
			MultiRAE Pro	SO_2	<0.1	ppm
			MultiRAE Pro	%LEL	<1	%

% = Percent; **ppm** = parts per million; **"<"** preceding a value indicates that the concentration was below the instrument detection limit.

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Appendix E

Laboratory Reports

SGS GALSON

Jarrod Robinson
Center for Toxicology & Env. Health LLC
5120 North Shore Drive
North Little Rock, AR 72118

February 16, 2024

Account# 13913

Login# L617241

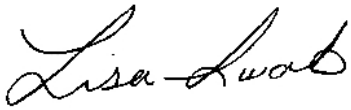
Dear Jarrod Robinson:

Enclosed are the analytical results for the samples received by our laboratory on February 09, 2024. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson



Lisa Swab
Laboratory Director

Enclosure(s)

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Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.
- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample's representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgsgalson.com.
- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.
- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).
- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at http://www.sgsgalson.com in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

National/International	Accreditation/Recognition	Lab ID#	Program/Sector
AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP	ISO/IEC 17025 and USEPA NLLAP	Lab ID 100324	Industrial Hygiene, Environmental Lead, Environmental Microbiology

State	Accreditation/Recognition	Lab ID#	Program/Sector
New York (NYSDOH)	ELAP and NELAC (TNI)	Lab ID: 11626	Air Analysis, Solid and Hazardous Waste
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials

Legend

< - Less than	mg - Milligrams	MDL - Method Detection Limit	ppb - Parts per Billion
> - Greater than	ug - Micrograms	NA - Not Applicable	ppm - Parts per Million
l - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not Detected	ppmv - ppm Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
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LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 15-FEB-24
Report ID : 1407185

Hydrogen Sulfide

Sample ID	Lab ID	Time minutes	Total ug	ppm
2524R01	L617241-28	1417	<1.2	<0.0088
2524R02	L617241-29	1416	<1.2	<0.0088
2524R03	L617241-30	1422	<1.2	<0.0088
2524R04	L617241-31	1416	<1.2	<0.0088
2524RBLANK	L617241-32	NA	<1.2	NA
2624R01	L617241-33	1438	<1.2	<0.0087
2624R02	L617241-34	1440	<1.2	<0.0087
2624R03	L617241-35	1439	<1.2	<0.0087
2624R04	L617241-36	1436	<1.2	<0.0087
2624RBLANK	L617241-37	NA	<1.2	NA
2724R01	L617241-38	1440	<1.2	<0.0087
2724R02	L617241-39	1433	<1.2	<0.0087
2724R03	L617241-40	1427	<1.2	<0.0088
2724R04	L617241-41	1426	<1.2	<0.0088
2724RBLANK	L617241-42	NA	<1.2	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 1.2 ug
Analytical Method : In-house: WET-SOP-13; Colorimetric
Collection Media : Radiello 170

Submitted by: MSM
Date : 16-FEB-24
Supervisor : JGC

Approved by: JGC

SGS GALSON

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	0.50	0.86	0.50	0.89	0.70	1.2	0.70	1.1
Freon-12	0.16	0.79	0.45	2.2	0.48	2.4	0.46	2.3
Chloromethane	0.16	0.33	0.45	0.93	0.45	0.93	0.47	0.96
Freon-114	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Vinyl Chloride	0.16	0.41	<0.16	<0.41	<0.16	<0.41	<0.16	<0.41
1,3-Butadiene	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
n-Butane	0.16	0.38	0.96	2.3	1.0	2.4	1.1	2.7
Bromomethane	0.16	0.62	<0.16	<0.62	<0.16	<0.62	<0.16	<0.62
Chloroethane	0.16	0.42	<0.16	<0.42	<0.16	<0.42	<0.16	<0.42
Acetonitrile	0.50	0.84	<0.50	<0.84	<0.50	<0.84	<0.50	<0.84
Vinyl Bromide	0.16	0.70	<0.16	<0.70	<0.16	<0.70	<0.16	<0.70
Acrolein	0.16	0.37	<0.16	<0.37	<0.16	<0.37	<0.16	<0.37
Acetone	0.50	1.2	1.6	3.9	1.7	4.1	2.5	6.0

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.16	0.90	0.21	1.2	0.24	1.3	0.24	1.3
Isopropyl Alcohol	0.50	1.2	0.53	1.3	<0.50	<1.2	1.1	2.8
Acrylonitrile	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
Pentane	0.16	0.47	0.25	0.73	0.48	1.4	0.38	1.1
Ethyl Bromide	0.16	0.71	<0.16	<0.71	<0.16	<0.71	<0.16	<0.71
1,1-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
tert-Butyl Alcohol	0.50	1.5	<0.50	<1.5	<0.50	<1.5	<0.50	<1.5
Methylene Chloride	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Freon-113	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Carbon Disulfide	0.50	1.6	<0.50	<1.6	<0.50	<1.6	<0.50	<1.6
Allyl Chloride	0.16	0.50	<0.16	<0.50	<0.16	<0.50	<0.16	<0.50
trans-1,2-Dichloroethene	0.16	0.63	0.63	2.5	<0.16	<0.63	2.8	11
1,1-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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(315) 432-5227
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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Vinyl Acetate	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Methyl Ethyl Ketone	0.16	0.47	0.59	1.7	<0.16	<0.47	0.52	1.5
cis-1,2-Dichloroethylene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
Hexane	0.16	0.56	<0.16	<0.56	0.25	0.87	0.16	0.57
Ethyl Acetate	0.16	0.58	<0.16	<0.58	<0.16	<0.58	0.38	1.4
Chloroform	0.16	0.78	<0.16	<0.78	<0.16	<0.78	<0.16	<0.78
Tetrahydrofuran	0.16	0.47	<0.16	<0.47	<0.16	<0.47	<0.16	<0.47
1,2-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65
1,1,1-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Benzene	0.16	0.51	0.16	0.51	0.22	0.71	0.20	0.64
Carbon Tetrachloride	0.16	1.0	<0.16	<1.0	<0.16	<1.0	<0.16	<1.0
Cyclohexane	0.16	0.55	<0.16	<0.55	<0.16	<0.55	<0.16	<0.55

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Bromodichloromethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
1,4-Dioxane	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Trichloroethylene	0.16	0.86	<0.16	<0.86	<0.16	<0.86	<0.16	<0.86
2,2,4-Trimethylpentane	0.16	0.75	<0.16	<0.75	<0.16	<0.75	<0.16	<0.75
Methyl Methacrylate	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Heptane	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
cis-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
trans-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
1,1,2-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Methyl Isobutyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Toluene	0.16	0.60	0.86	3.3	0.37	1.4	1.3	4.8
Methyl Butyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
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Date Received : 09-FEB-24

Account No.: 13913
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Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.16	1.4	<0.16	<1.4	<0.16	<1.4	<0.16	<1.4
1,2-Dibromoethane	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Tetrachloroethylene	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Chlorobenzene	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Ethylbenzene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
m & p-xylene	0.32	1.4	<0.32	<1.4	<0.32	<1.4	<0.32	<1.4
Bromoform	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7
Styrene	0.16	0.68	<0.16	<0.68	<0.16	<0.68	<0.16	<0.68
1,1,2,2-Tetrachloroethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
o-Xylene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
Nonane	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Cumene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
2-Chlorotoluene	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
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Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-43		L617241-44		L617241-45	
Client ID:			2524MC01		2524MC02		2524MC03	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
4-Ethyltoluene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,3,5-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,2,4-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
Benzyl Chloride	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83
1,3-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,4-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2,4-Trichlorobenzene	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Naphthalene	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Hexachloro-1,3-butadiene	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

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Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
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Account No.: 13913
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Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	0.50	0.86	0.50	0.92	1.2	2.0	0.70	1.2
Freon-12	0.16	0.79	0.47	2.3	0.47	2.3	0.44	2.2
Chloromethane	0.16	0.33	0.50	1.0	0.57	1.2	0.47	0.97
Freon-114	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Vinyl Chloride	0.16	0.41	<0.16	<0.41	<0.16	<0.41	<0.16	<0.41
1,3-Butadiene	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
n-Butane	0.16	0.38	1.0	2.4	1.5	3.6	1.3	3.0
Bromomethane	0.16	0.62	<0.16	<0.62	<0.16	<0.62	<0.16	<0.62
Chloroethane	0.16	0.42	<0.16	<0.42	<0.16	<0.42	<0.16	<0.42
Acetonitrile	0.50	0.84	<0.50	<0.84	<0.50	<0.84	<0.50	<0.84
Vinyl Bromide	0.16	0.70	<0.16	<0.70	<0.16	<0.70	<0.16	<0.70
Acrolein	0.16	0.37	<0.16	<0.37	<0.16	<0.37	<0.16	<0.37
Acetone	0.50	1.2	2.0	4.6	4.5	11	4.2	9.9

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.16	0.90	0.23	1.3	0.25	1.4	0.22	1.2
Isopropyl Alcohol	0.50	1.2	<0.50	<1.2	0.52	1.3	<0.50	<1.2
Acrylonitrile	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
Pentane	0.16	0.47	0.29	0.84	0.75	2.2	0.30	0.89
Ethyl Bromide	0.16	0.71	<0.16	<0.71	<0.16	<0.71	<0.16	<0.71
1,1-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
tert-Butyl Alcohol	0.50	1.5	<0.50	<1.5	<0.50	<1.5	<0.50	<1.5
Methylene Chloride	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Freon-113	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Carbon Disulfide	0.50	1.6	<0.50	<1.6	<0.50	<1.6	<0.50	<1.6
Allyl Chloride	0.16	0.50	<0.16	<0.50	<0.16	<0.50	<0.16	<0.50
trans-1,2-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
1,1-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Vinyl Acetate	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Methyl Ethyl Ketone	0.16	0.47	0.27	0.79	0.73	2.2	0.33	0.97
cis-1,2-Dichloroethylene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
Hexane	0.16	0.56	<0.16	<0.56	0.17	0.59	<0.16	<0.56
Ethyl Acetate	0.16	0.58	<0.16	<0.58	0.26	0.94	<0.16	<0.58
Chloroform	0.16	0.78	<0.16	<0.78	<0.16	<0.78	<0.16	<0.78
Tetrahydrofuran	0.16	0.47	<0.16	<0.47	<0.16	<0.47	<0.16	<0.47
1,2-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65
1,1,1-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Benzene	0.16	0.51	0.20	0.64	0.30	0.95	0.20	0.65
Carbon Tetrachloride	0.16	1.0	<0.16	<1.0	<0.16	<1.0	<0.16	<1.0
Cyclohexane	0.16	0.55	<0.16	<0.55	<0.16	<0.55	<0.16	<0.55

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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LABORATORY ANALYSIS REPORT

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TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Bromodichloromethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
1,4-Dioxane	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Trichloroethylene	0.16	0.86	<0.16	<0.86	<0.16	<0.86	<0.16	<0.86
2,2,4-Trimethylpentane	0.16	0.75	<0.16	<0.75	<0.16	<0.75	<0.16	<0.75
Methyl Methacrylate	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Heptane	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
cis-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
trans-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
1,1,2-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Methyl Isobutyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Toluene	0.16	0.60	0.31	1.2	0.66	2.5	0.29	1.1
Methyl Butyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.16	1.4	<0.16	<1.4	<0.16	<1.4	<0.16	<1.4
1,2-Dibromoethane	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Tetrachloroethylene	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Chlorobenzene	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Ethylbenzene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
m & p-xylene	0.32	1.4	<0.32	<1.4	<0.32	<1.4	<0.32	<1.4
Bromoform	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7
Styrene	0.16	0.68	<0.16	<0.68	<0.16	<0.68	<0.16	<0.68
1,1,2,2-Tetrachloroethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
o-Xylene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
Nonane	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Cumene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
2-Chlorotoluene	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-46		L617241-47		L617241-48	
Client ID:			2524MC04		2624MC01		2624MC02	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
4-Ethyltoluene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,3,5-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,2,4-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
Benzyl Chloride	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83
1,3-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,4-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2,4-Trichlorobenzene	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Naphthalene	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Hexachloro-1,3-butadiene	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

6601 Kirkville Road
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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	0.50	0.86	1.3	2.3	0.70	1.3	<0.50	<0.86
Freon-12	0.16	0.79	0.45	2.2	0.44	2.2	0.47	2.3
Chloromethane	0.16	0.33	0.61	1.2	0.50	1.0	0.50	1.0
Freon-114	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Vinyl Chloride	0.16	0.41	<0.16	<0.41	<0.16	<0.41	<0.16	<0.41
1,3-Butadiene	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
n-Butane	0.16	0.38	1.7	4.1	1.1	2.6	0.81	1.9
Bromomethane	0.16	0.62	<0.16	<0.62	<0.16	<0.62	<0.16	<0.62
Chloroethane	0.16	0.42	<0.16	<0.42	<0.16	<0.42	<0.16	<0.42
Acetonitrile	0.50	0.84	<0.50	<0.84	<0.50	<0.84	<0.50	<0.84
Vinyl Bromide	0.16	0.70	<0.16	<0.70	<0.16	<0.70	<0.16	<0.70
Acrolein	0.16	0.37	<0.16	<0.37	<0.16	<0.37	<0.16	<0.37
Acetone	0.50	1.2	4.7	11	3.0	7.1	2.3	5.5

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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.16	0.90	0.26	1.5	0.23	1.3	0.22	1.2
Isopropyl Alcohol	0.50	1.2	<0.50	<1.2	<0.50	<1.2	<0.50	<1.2
Acrylonitrile	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
Pentane	0.16	0.47	0.77	2.3	0.38	1.1	0.30	0.89
Ethyl Bromide	0.16	0.71	<0.16	<0.71	<0.16	<0.71	<0.16	<0.71
1,1-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
tert-Butyl Alcohol	0.50	1.5	<0.50	<1.5	<0.50	<1.5	<0.50	<1.5
Methylene Chloride	0.16	0.56	0.16	0.56	<0.16	<0.56	<0.16	<0.56
Freon-113	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Carbon Disulfide	0.50	1.6	<0.50	<1.6	<0.50	<1.6	<0.50	<1.6
Allyl Chloride	0.16	0.50	<0.16	<0.50	<0.16	<0.50	<0.16	<0.50
trans-1,2-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
1,1-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65

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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Vinyl Acetate	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Methyl Ethyl Ketone	0.16	0.47	0.68	2.0	0.40	1.2	0.67	2.0
cis-1,2-Dichloroethylene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
Hexane	0.16	0.56	0.21	0.73	<0.16	<0.56	<0.16	<0.56
Ethyl Acetate	0.16	0.58	0.38	1.4	<0.16	<0.58	0.23	0.81
Chloroform	0.16	0.78	<0.16	<0.78	<0.16	<0.78	<0.16	<0.78
Tetrahydrofuran	0.16	0.47	0.17	0.49	<0.16	<0.47	<0.16	<0.47
1,2-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65
1,1,1-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Benzene	0.16	0.51	0.32	1.0	0.18	0.57	<0.16	<0.51
Carbon Tetrachloride	0.16	1.0	<0.16	<1.0	<0.16	<1.0	<0.16	<1.0
Cyclohexane	0.16	0.55	<0.16	<0.55	<0.16	<0.55	<0.16	<0.55

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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Bromodichloromethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
1,4-Dioxane	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Trichloroethylene	0.16	0.86	<0.16	<0.86	<0.16	<0.86	<0.16	<0.86
2,2,4-Trimethylpentane	0.16	0.75	<0.16	<0.75	<0.16	<0.75	<0.16	<0.75
Methyl Methacrylate	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Heptane	0.16	0.66	0.17	0.68	<0.16	<0.66	<0.16	<0.66
cis-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
trans-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
1,1,2-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Methyl Isobutyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Toluene	0.16	0.60	0.74	2.8	0.36	1.3	0.18	0.69
Methyl Butyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.16	1.4	<0.16	<1.4	<0.16	<1.4	<0.16	<1.4
1,2-Dibromoethane	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Tetrachloroethylene	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Chlorobenzene	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Ethylbenzene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
m & p-xylene	0.32	1.4	<0.32	<1.4	<0.32	<1.4	<0.32	<1.4
Bromoform	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7
Styrene	0.16	0.68	<0.16	<0.68	<0.16	<0.68	<0.16	<0.68
1,1,2,2-Tetrachloroethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
o-Xylene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
Nonane	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Cumene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
2-Chlorotoluene	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83

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Submitted by : NKP

Supervisor: TLH
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TO15 List & TICs

Galson ID:			L617241-49		L617241-50		L617241-51	
Client ID:			2624MC03		2624MC04		2724MC01	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
4-Ethyltoluene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,3,5-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,2,4-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
Benzyl Chloride	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83
1,3-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,4-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2,4-Trichlorobenzene	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Naphthalene	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Hexachloro-1,3-butadiene	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7

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TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	0.50	0.86	<0.50	<0.86	<0.50	<0.86	<0.50	<0.86
Freon-12	0.16	0.79	0.44	2.2	0.46	2.3	0.45	2.2
Chloromethane	0.16	0.33	0.49	1.0	0.50	1.0	0.51	1.1
Freon-114	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Vinyl Chloride	0.16	0.41	<0.16	<0.41	<0.16	<0.41	<0.16	<0.41
1,3-Butadiene	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
n-Butane	0.16	0.38	0.42	1.0	0.62	1.5	0.51	1.2
Bromomethane	0.16	0.62	<0.16	<0.62	<0.16	<0.62	<0.16	<0.62
Chloroethane	0.16	0.42	<0.16	<0.42	<0.16	<0.42	<0.16	<0.42
Acetonitrile	0.50	0.84	<0.50	<0.84	<0.50	<0.84	<0.50	<0.84
Vinyl Bromide	0.16	0.70	<0.16	<0.70	<0.16	<0.70	<0.16	<0.70
Acrolein	0.16	0.37	<0.16	<0.37	<0.16	<0.37	<0.16	<0.37
Acetone	0.50	1.2	1.6	3.7	3.5	8.3	2.8	6.6

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TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.16	0.90	0.21	1.2	0.22	1.2	0.22	1.2
Isopropyl Alcohol	0.50	1.2	<0.50	<1.2	<0.50	<1.2	<0.50	<1.2
Acrylonitrile	0.16	0.35	<0.16	<0.35	<0.16	<0.35	<0.16	<0.35
Pentane	0.16	0.47	<0.16	<0.47	0.36	1.0	0.19	0.56
Ethyl Bromide	0.16	0.71	<0.16	<0.71	<0.16	<0.71	<0.16	<0.71
1,1-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
tert-Butyl Alcohol	0.50	1.5	<0.50	<1.5	<0.50	<1.5	<0.50	<1.5
Methylene Chloride	0.16	0.56	<0.16	<0.56	0.20	0.69	<0.16	<0.56
Freon-113	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Carbon Disulfide	0.50	1.6	<0.50	<1.6	<0.50	<1.6	<0.50	<1.6
Allyl Chloride	0.16	0.50	<0.16	<0.50	<0.16	<0.50	<0.16	<0.50
trans-1,2-Dichloroethene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
1,1-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65

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Date Analyzed : 14-FEB-24 - 15-FEB-24
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TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Vinyl Acetate	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Methyl Ethyl Ketone	0.16	0.47	<0.16	<0.47	0.40	1.2	<0.16	<0.47
cis-1,2-Dichloroethylene	0.16	0.63	<0.16	<0.63	<0.16	<0.63	<0.16	<0.63
Hexane	0.16	0.56	<0.16	<0.56	<0.16	<0.56	<0.16	<0.56
Ethyl Acetate	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Chloroform	0.16	0.78	<0.16	<0.78	<0.16	<0.78	<0.16	<0.78
Tetrahydrofuran	0.16	0.47	<0.16	<0.47	<0.16	<0.47	<0.16	<0.47
1,2-Dichloroethane	0.16	0.65	<0.16	<0.65	<0.16	<0.65	<0.16	<0.65
1,1,1-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Benzene	0.16	0.51	<0.16	<0.51	0.18	0.58	<0.16	<0.51
Carbon Tetrachloride	0.16	1.0	<0.16	<1.0	<0.16	<1.0	<0.16	<1.0
Cyclohexane	0.16	0.55	<0.16	<0.55	<0.16	<0.55	<0.16	<0.55

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

LABORATORY ANALYSIS REPORT

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Bromodichloromethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
1,4-Dioxane	0.16	0.58	<0.16	<0.58	<0.16	<0.58	<0.16	<0.58
Trichloroethylene	0.16	0.86	<0.16	<0.86	<0.16	<0.86	<0.16	<0.86
2,2,4-Trimethylpentane	0.16	0.75	<0.16	<0.75	<0.16	<0.75	<0.16	<0.75
Methyl Methacrylate	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Heptane	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
cis-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
trans-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73	<0.16	<0.73	<0.16	<0.73
1,1,2-Trichloroethane	0.16	0.87	<0.16	<0.87	<0.16	<0.87	<0.16	<0.87
Methyl Isobutyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66
Toluene	0.16	0.60	<0.16	<0.60	0.19	0.73	<0.16	<0.60
Methyl Butyl Ketone	0.16	0.66	<0.16	<0.66	<0.16	<0.66	<0.16	<0.66

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.16	1.4	<0.16	<1.4	<0.16	<1.4	<0.16	<1.4
1,2-Dibromoethane	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Tetrachloroethylene	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
Chlorobenzene	0.16	0.74	<0.16	<0.74	<0.16	<0.74	<0.16	<0.74
Ethylbenzene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
m & p-xylene	0.32	1.4	<0.32	<1.4	<0.32	<1.4	<0.32	<1.4
Bromoform	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7
Styrene	0.16	0.68	<0.16	<0.68	<0.16	<0.68	<0.16	<0.68
1,1,2,2-Tetrachloroethane	0.16	1.1	<0.16	<1.1	<0.16	<1.1	<0.16	<1.1
o-Xylene	0.16	0.69	<0.16	<0.69	<0.16	<0.69	<0.16	<0.69
Nonane	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Cumene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
2-Chlorotoluene	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Supervisor: TLH
Approved by : JMR
Date : 15-FEB-24

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID:			L617241-52		L617241-53		L617241-54	
Client ID:			2724MC02		2724MC03		2724MC04	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
4-Ethyltoluene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,3,5-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
1,2,4-Trimethylbenzene	0.16	0.79	<0.16	<0.79	<0.16	<0.79	<0.16	<0.79
Benzyl Chloride	0.16	0.83	<0.16	<0.83	<0.16	<0.83	<0.16	<0.83
1,3-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,4-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2-Dichlorobenzene	0.16	0.96	<0.16	<0.96	<0.16	<0.96	<0.16	<0.96
1,2,4-Trichlorobenzene	0.16	1.2	<0.16	<1.2	<0.16	<1.2	<0.16	<1.2
Naphthalene	0.16	0.84	<0.16	<0.84	<0.16	<0.84	<0.16	<0.84
Hexachloro-1,3-butadiene	0.16	1.7	<0.16	<1.7	<0.16	<1.7	<0.16	<1.7

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	0.50	0.86	<0.50	<0.86		
Freon-12	0.16	0.79	0.46	2.3		
Chloromethane	0.16	0.33	0.50	1.0		
Freon-114	0.16	1.1	<0.16	<1.1		
Vinyl Chloride	0.16	0.41	<0.16	<0.41		
1,3-Butadiene	0.16	0.35	<0.16	<0.35		
n-Butane	0.16	0.38	0.41	0.97		
Bromomethane	0.16	0.62	<0.16	<0.62		
Chloroethane	0.16	0.42	<0.16	<0.42		
Acetonitrile	0.50	0.84	<0.50	<0.84		
Vinyl Bromide	0.16	0.70	<0.16	<0.70		
Acrolein	0.16	0.37	<0.16	<0.37		
Acetone	0.50	1.2	1.8	4.2		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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Account No.: 13913
Login No. : L617241
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Report ID : 1406328

TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.16	0.90	0.21	1.2		
Isopropyl Alcohol	0.50	1.2	<0.50	<1.2		
Acrylonitrile	0.16	0.35	<0.16	<0.35		
Pentane	0.16	0.47	<0.16	<0.47		
Ethyl Bromide	0.16	0.71	<0.16	<0.71		
1,1-Dichloroethene	0.16	0.63	<0.16	<0.63		
tert-Butyl Alcohol	0.50	1.5	<0.50	<1.5		
Methylene Chloride	0.16	0.56	<0.16	<0.56		
Freon-113	0.16	1.2	<0.16	<1.2		
Carbon Disulfide	0.50	1.6	<0.50	<1.6		
Allyl Chloride	0.16	0.50	<0.16	<0.50		
trans-1,2-Dichloroethene	0.16	0.63	<0.16	<0.63		
1,1-Dichloroethane	0.16	0.65	<0.16	<0.65		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

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Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.16	0.58	<0.16	<0.58		
Vinyl Acetate	0.16	0.56	<0.16	<0.56		
Methyl Ethyl Ketone	0.16	0.47	0.68	2.0		
cis-1,2-Dichloroethylene	0.16	0.63	<0.16	<0.63		
Hexane	0.16	0.56	<0.16	<0.56		
Ethyl Acetate	0.16	0.58	<0.16	<0.58		
Chloroform	0.16	0.78	<0.16	<0.78		
Tetrahydrofuran	0.16	0.47	<0.16	<0.47		
1,2-Dichloroethane	0.16	0.65	<0.16	<0.65		
1,1,1-Trichloroethane	0.16	0.87	<0.16	<0.87		
Benzene	0.16	0.51	<0.16	<0.51		
Carbon Tetrachloride	0.16	1.0	<0.16	<1.0		
Cyclohexane	0.16	0.55	<0.16	<0.55		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
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Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.16	0.74	<0.16	<0.74		
Bromodichloromethane	0.16	1.1	<0.16	<1.1		
1,4-Dioxane	0.16	0.58	<0.16	<0.58		
Trichloroethylene	0.16	0.86	<0.16	<0.86		
2,2,4-Trimethylpentane	0.16	0.75	<0.16	<0.75		
Methyl Methacrylate	0.16	0.66	<0.16	<0.66		
Heptane	0.16	0.66	<0.16	<0.66		
cis-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73		
trans-1,3-Dichloropropene	0.16	0.73	<0.16	<0.73		
1,1,2-Trichloroethane	0.16	0.87	<0.16	<0.87		
Methyl Isobutyl Ketone	0.16	0.66	<0.16	<0.66		
Toluene	0.16	0.60	<0.16	<0.60		
Methyl Butyl Ketone	0.16	0.66	<0.16	<0.66		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.16	1.4	<0.16	<1.4		
1,2-Dibromoethane	0.16	1.2	<0.16	<1.2		
Tetrachloroethylene	0.16	1.1	<0.16	<1.1		
Chlorobenzene	0.16	0.74	<0.16	<0.74		
Ethylbenzene	0.16	0.69	<0.16	<0.69		
m & p-xylene	0.32	1.4	<0.32	<1.4		
Bromoform	0.16	1.7	<0.16	<1.7		
Styrene	0.16	0.68	<0.16	<0.68		
1,1,2,2-Tetrachloroethane	0.16	1.1	<0.16	<1.1		
o-Xylene	0.16	0.69	<0.16	<0.69		
Nonane	0.16	0.84	<0.16	<0.84		
Cumene	0.16	0.79	<0.16	<0.79		
2-Chlorotoluene	0.16	0.83	<0.16	<0.83		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

LABORATORY ANALYSIS REPORT

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Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1406328

TO15 List & TICs

Galson ID: L617241-55
Client ID: 2724MCBG

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.16	0.79	<0.16	<0.79		
4-Ethyltoluene	0.16	0.79	<0.16	<0.79		
1,3,5-Trimethylbenzene	0.16	0.79	<0.16	<0.79		
1,2,4-Trimethylbenzene	0.16	0.79	<0.16	<0.79		
Benzyl Chloride	0.16	0.83	<0.16	<0.83		
1,3-Dichlorobenzene	0.16	0.96	<0.16	<0.96		
1,4-Dichlorobenzene	0.16	0.96	<0.16	<0.96		
1,2-Dichlorobenzene	0.16	0.96	<0.16	<0.96		
1,2,4-Trichlorobenzene	0.16	1.2	<0.16	<1.2		
Naphthalene	0.16	0.84	<0.16	<0.84		
Hexachloro-1,3-butadiene	0.16	1.7	<0.16	<1.7		

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2524MC01 **Lab ID : L617241-43**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2524MC02 **Lab ID : L617241-44**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2524MC03 **Lab ID : L617241-45**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2524MC04 **Lab ID : L617241-46**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1407186

Client ID : 2624MC01 **Lab ID : L617241-47**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
Nonanal	000124-19-6	19.00	1.1	6.3	J
Unknown Compound 1		19.77	1.4	0	J

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2624MC02 **Lab ID : L617241-48**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2624MC03 **Lab ID : L617241-49**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2624MC04 **Lab ID : L617241-50**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
Nonanal	000124-19-6	19.00	1.5	8.8	J

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP
Approved by : JMR
Date : 15-FEB-24
Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2724MC01 **Lab ID : L617241-51**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2724MC02 **Lab ID : L617241-52**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
No Volatiles Found			0	0.0	

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1407186

Client ID : 2724MC03 **Lab ID : L617241-53**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
Unknown Compound 1		19.77	3.4	0	J

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client	: Center for Toxicology & Env. H	Account No.:	13913
Site	: NS	Login No.	: L617241
Project No.	: 037346		
Date Sampled	: 06-FEB-24 - 08-FEB-24	Date Analyzed	: 14-FEB-24 - 15-FEB-24
Date Received	: 09-FEB-24	Report ID	: 1407186

Client ID : 2724MC04 **Lab ID : L617241-54**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
Nonanal	000124-19-6	19.00	1.2	6.7	J

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 06-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 14-FEB-24 - 15-FEB-24
Report ID : 1407186

Client ID : 2724MCBG **Lab ID : L617241-55**

Tentatively Identified Compounds	CAS Number	Retention Time	Estimated Concentration ppbv	ug/m3	Qual
Nonanal	000124-19-6	19.00	4.0	23	J

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : NKP

Approved by : JMR
Date : 15-FEB-24

Supervisor: TLH

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LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 05-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 13-FEB-24
Report ID : 1406963

Sulfur Dioxide

Sample ID	Lab ID	Air Vol liter	Total ug	Conc mg/m3	ppm
2524A01A	L617241-1	418.3	<10	<0.024	<0.0091
2524A02A	L617241-2	415	<10	<0.024	<0.0092
2524A03A	L617241-3	403.1	<10	<0.025	<0.0095
2524A04A	L617241-4	406.8	<10	<0.025	<0.0094
2524A01B	L617241-5	428.3	<10	<0.023	<0.0089
2524A02B	L617241-6	435.7	<10	<0.023	<0.0088
2524A03B	L617241-7	436.6	<10	<0.023	<0.0087
2524A04B	L617241-8	447.2	<10	<0.022	<0.0085
2524ABLANK1	L617241-9	NA	<10	NA	NA
2624A01A	L617241-10	435.7	<10	<0.023	<0.0088
2624A02A	L617241-11	432.2	<10	<0.023	<0.0088
2624A03A	L617241-12	424	<10	<0.024	<0.0090
2624A04A	L617241-13	425.2	<10	<0.024	<0.0090
2624A01B	L617241-14	431.8	<10	<0.023	<0.0088
2624A02B	L617241-15	438.9	<10	<0.023	<0.0087
2624A03B	L617241-16	436.7	<10	<0.023	<0.0087

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 10.0 ug
Analytical Method : mod. NIOSH 6004; IC
Collection Media : 37mm Whatman

Submitted by: KJA
Date : 16-FEB-24
Supervisor : MCM

Approved by: KLS

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LABORATORY ANALYSIS REPORT

Client : Center for Toxicology & Env. H
Site : NS
Project No. : 037346
Date Sampled : 05-FEB-24 - 08-FEB-24
Date Received : 09-FEB-24

Account No.: 13913
Login No. : L617241
Date Analyzed : 13-FEB-24
Report ID : 1406963

Sulfur Dioxide

Sample ID	Lab ID	Air Vol liter	Total ug	Conc mg/m3	ppm
2624A04B	L617241-17	444.9	<10	<0.022	<0.0086
2624ABLANK1	L617241-18	NA	<10	NA	NA
2724A01A	L617241-19	438.8	<10	<0.023	<0.0087
2724A02A	L617241-20	429.1	<10	<0.023	<0.0089
2724A03A	L617241-21	424.9	<10	<0.024	<0.0090
2724A04A	L617241-22	421.9	<10	<0.024	<0.0090
2724A01B	L617241-23	435.4	<10	<0.023	<0.0088
2724A02B	L617241-24	440.3	<10	<0.023	<0.0087
2724A03B	L617241-25	443.8	<10	<0.023	<0.0086
2724A04B	L617241-26	442.4	<10	<0.023	<0.0086
2724ABLANK1	L617241-27	NA	<10	NA	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 10.0 ug
Analytical Method : mod. NIOSH 6004; IC
Collection Media : 37mm Whatman

Submitted by: KJA
Date : 16-FEB-24
Supervisor : MCM

Approved by: KLS

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Client Name : Center for Toxicology & Env. Health LLC
Site :
Project No. : 037346

Date Sampled : 05-FEB-24 - 08-FEB-24 Account No.: 13913
Date Received: 09-FEB-24 Login No. : L617241
Date Analyzed: 13-FEB-24 - 15-FEB-24

L617241 (Report ID: 1407185):
SOPs: WET-SOP-13(9)
The sampling rates used in the concentration calculations are based upon the temperatures provided with the samples. If no temperatures were provided, the sampling rate is based on 25 C.

L617241 (Report ID: 1407185):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Hydrogen Sulfide	+/-8.5%	104%

L617241 (Report ID: 1406328):
NYSDOH does not offer a certification for the following compounds:
Propylene, Ethyl Acetate, Tetrahydrofuran, Methyl n-Butyl Ketone, 4-Ethyl Toluene, n-Butane, Pentane, Ethyl Bromide, Nonane, and n-Propylbenzene.
SOPs: in-vocs(44)

L617241-43-51,53-55 (Report ID: 1406328):
Acetone result may be biased high due to co-elution with 2-methylbutane.

L617241-43-50 (Report ID: 1406328):
Vinyl Acetate result may be biased high due to co-elution with 2-methylpentane.

L617241-44,48,52-53 (Report ID: 1406328):
Sample canister was received at/near ambient pressure.

L617241 (Report ID: 1406328):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
1,1,2,2-Tetrachloroethane	+/-13.9%	98.1%
1,1,2-Trichloroethane	+/-12.4%	97.9%
1,1-Dichloroethane	+/-12.8%	97.5%
1,1-Dichloroethene	+/-14.1%	98.9%
1,2,4-Trichlorobenzene	+/-24.6%	102%
1,2,4-Trimethylbenzene	+/-18.3%	102%
1,2-Dibromoethane	+/-13.8%	99.3%

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Date Analyzed: 13-FEB-24 - 15-FEB-24

1,2-Dichlorobenzene	+/-14.8%	103%
1,2-Dichloroethane	+/-14.6%	97.4%
1,2-Dichloropropane	+/-13.7%	98.3%
1,3,5-Trimethylbenzene	+/-16%	101%
1,3-Dichlorobenzene	+/-15.1%	103%
1,4-Dichlorobenzene	+/-15.6%	101%
2,2,4-Trimethylpentane	+/-15.4%	99%
2-Chlorotoluene	+/-15%	102%
4-Ethyltoluene	+/-15.1%	104%
Acrolein	+/-27.4%	92%
Acrylonitrile	+/-15.5%	98.9%
Allyl Chloride	+/-21.2%	98.5%
Acetonitrile	+/-24.8%	95.3%
Acetone	+/-17.1%	95.7%
Bromodichloromethane	+/-13.8%	98.6%
Bromoform	+/-20%	107%
1,3-Butadiene	+/-18.5%	95.9%
n-Butane	+/-22%	92.7%
Benzene	+/-13%	98.5%
Benzyl Chloride	+/-19.8%	114%
Carbon Disulfide	+/-13.5%	100%
Carbon Tetrachloride	+/-15.5%	100%
cis-1,2-Dichloroethylene	+/-14.2%	98.6%
cis-1,3-Dichloropropene	+/-17%	101%
Chlorobenzene	+/-11.8%	96.9%
Dibromochloromethane	+/-16%	104%
Chloroform	+/-11.9%	98%
Cumene	+/-17.8%	96%
Cyclohexane	+/-17.5%	101%
1,4-Dioxane	+/-15.9%	101%
Ethyl Acetate	+/-19.4%	98%
Ethylbenzene	+/-16%	99.8%
Chloroethane	+/-21.8%	97.3%
Ethyl Bromide	+/-11.7%	98.4%
Freon-11	+/-13.8%	98.4%
Freon-113	+/-11.1%	98.7%
Freon-114	+/-17.9%	93.5%
Freon-12	+/-15%	98.3%
Heptane	+/-18.7%	97.6%
Hexachloro-1,3-butadiene	+/-18.8%	95%
Isopropyl Alcohol	+/-22.2%	94.4%
1,1,1-Trichloroethane	+/-14.7%	97.4%
Bromomethane	+/-16%	97.2%
Chloromethane	+/-23.4%	94.2%
Methylene Chloride	+/-13.6%	93.7%

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Client Name : Center for Toxicology & Env. Health LLC
Site :
Project No. : 037346

Date Sampled : 05-FEB-24 - 08-FEB-24 Account No.: 13913
Date Received: 09-FEB-24 Login No. : L617241
Date Analyzed: 13-FEB-24 - 15-FEB-24

Methyl Ethyl Ketone	+/-18.1%	97.2%
Methyl Methacrylate	+/-19.4%	99.6%
Methyl Isobutyl Ketone	+/-20.8%	97.4%
Methyl Butyl Ketone	+/-24.6%	97.9%
m & p-xylene	+/-15.6%	100%
Methyl tert-Butyl Ether	+/-17.1%	102%
Naphthalene	+/-25%	112%
Hexane	+/-18.2%	99.9%
Nonane	+/-19.4%	100%
n-Propylbenzene	+/-16.4%	102%
o-Xylene	+/-16.1%	100%
Propylene	+/-20.8%	92.1%
Pentane	+/-21%	97.1%
Styrene	+/-16.6%	103%
Trichloroethylene	+/-11.8%	98.5%
tert-Butyl Alcohol	+/-17.2%	101%
Tetrachloroethylene	+/-13.8%	99.1%
Tetrahydrofuran	+/-20.8%	102%
Toluene	+/-16.1%	100%
trans-1,2-Dichloroethene	+/-13%	98.1%
trans-1,3-Dichloropropene	+/-16.7%	106%
Vinyl Acetate	+/-29.4%	92.7%
Vinyl Bromide	+/-17.6%	97.9%
Vinyl Chloride	+/-17.5%	96.1%

L617241 (Report ID: 1407186):
Note: Any detected siloxanes are always deleted from TIC results, as they may be artifacts contributed by the sampling/chromatographic system.
Non-target compounds detected in any samples are tentatively identified by using a search of the NIST/EPA Mass Spectral Library, which contains nearly two hundred thousand compounds.
Compounds not detected will not be listed on the report. Compounds with very low quality matches will be reported as "unknown."
SOPs: in-vocs(44)
Tentatively Identified Compounds (TICS) are estimated values.
TICS are calculated using an average response factor of 1 for all compounds.

L617241 (Report ID: 1406963):
SOPs: ii-n6004(17)

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LABORATORY FOOTNOTE REPORT

Client Name : Center for Toxicology & Env. Health LLC
Site :
Project No. : 037346

Date Sampled : 05-FEB-24 - 08-FEB-24 Account No.: 13913
Date Received: 09-FEB-24 Login No. : L617241
Date Analyzed: 13-FEB-24 - 15-FEB-24

L617241 (Report ID: 1406963):

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Sulfur Dioxide	+/-10%	95.2%

Sample: WG582745-2 **Spikelot:** IH738422-1
QC Type: DLS **Raw File:** WG582745-2.0002_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 13:17:26 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	.837834	.7298	115	70.0 to 130.			

Sample: WG582745-3 **Spikelot:** IH738422
QC Type: CCV **Raw File:** WG582745-3.0003_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 13:33:51 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	16.4963	14.595	113	80.0 to 120.			

Sample: WG582738-2 **Spikelot:** NA
QC Type: MBLANK **Raw File:** WG582738-2.0005_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 14:06:36 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE(RAW)	0	<10.0					

Sample: WG582738-3 **Spikelot:** IH738421
QC Type: BS **Raw File:** WG582738-3.0006_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 14:22:58 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	94.2015	87.51	108		108 80.9 to 109.		

Sample: WG582738-4 **Spikelot:** IH738421
QC Type: BSD **Raw File:** WG582738-4.0007_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 14:39:22 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	93.8721	87.51	107		107 80.9 to 109.	.93	0 to 10.2

Sample: WG582745-4 **Spikelot:** IH738422
QC Type: CCV **Raw File:** WG582745-4.0021_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 18:28:35 **Approval Status:** YES

Sample: WG582745-4 **Spikelot:** IH738422
QC Type: CCV **Raw File:** WG582745-4.0021_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 18:28:35 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	16.2875	14.595	112	80.0 to 120.			

Sample: WG582745-5 **Spikelot:** IH738422
QC Type: CCV **Raw File:** WG582745-5.0036_1147615_IC7_20240213_SO2_NI
Analysis date: 02/13/24 22:34:15 **Approval Status:** YES
Instrument: IC7

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
SULFUR DIOXIDE	16.4154	14.595	112	80.0 to 120.			

SGS Galson
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INITIAL/CONTINUING CALIBRATION REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-3								
Type		CCV								
Spike Lot #		IH738477-1								
Instrument		SPEC6								
Analysis Date		Feb 15, 2024 11:13								
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value ()	Found ()	Recovery (%)	True Value ()	Found ()	Recovery (%)
Hydrogen Sulfide	80.0 to 120.	0.916	0.914	99.8						

SGS Galson
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INITIAL/CONTINUING CALIBRATION REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-4								
Type		ICV								
Spike Lot #		IH738478-1								
Instrument		SPEC6								
Analysis Date		Feb 15, 2024 11:13								
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value ()	Found ()	Recovery (%)	True Value ()	Found ()	Recovery (%)
Hydrogen Sulfide	80.0 to 120.	0.344	0.367	107.						

SGS Galson
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INITIAL/CONTINUING CALIBRATION REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-5			WG582949-7			WG582949-12		
Type		CCV			CCV			CCV		
Spike Lot #		IH738477-2			IH738477-2			IH738477-2		
Instrument		SPEC6			SPEC6			SPEC6		
Analysis Date		Feb 15, 2024 11:13			Feb 15, 2024 11:13			Feb 15, 2024 11:13		
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)
Hydrogen Sulfide	80.0 to 120.	0.573	0.576	101.	0.573	0.571	99.8	0.573	0.575	100.

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INITIAL/CONTINUING CALIBRATION REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-17								
Type		CCV								
Spike Lot #		IH738477-2								
Instrument		SPEC6								
Analysis Date		Feb 15, 2024 11:13								
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value ()	Found ()	Recovery (%)	True Value ()	Found ()	Recovery (%)
Hydrogen Sulfide	80.0 to 120.	0.573	0.585	102.						

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INITIAL/CONTINUING BLANK REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID **Type** **Instrument** **Analysis Date** **Analysis Time**		WG582949-13 CCB SPEC6 02/15/24 11:13	WG582949-18 CCB SPEC6 02/15/24 11:13	WG582949-6 CCB SPEC6 02/15/24 11:13	WG582949-8 CCB SPEC6 02/15/24 11:13	WG582949-1 ICB SPEC6 02/15/24 11:13			
	LOQ (ug)	Found (ug)	Found (ug)	Found (ug)	Found (ug)	Found (ug)			
Hydrogen Sulfide	1.2	<1.2	<1.2	<1.2	<1.2	<1.2			

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DETECTION LIMIT STANDARD RECOVERY REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-2								
Type		DLS								
Spike Lot #		IH738477-3								
Instrument		SPEC6								
Analysis Date		Feb 15, 2024 11:13								
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value ()	Found ()	Recovery (%)	True Value ()	Found ()	Recovery (%)
Hydrogen Sulfide	70.0 to 130.	0.115	0.124	109.						

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METHOD BLANK REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID **Type** **Instrument** **Analysis Date** **Analysis Time**		WG582949-14 MBLANK SPEC6 02/15/24 11:13	WG582949-9 MBLANK SPEC6 02/15/24 11:13						
	LOQ (ug)	Found (ug)	Found (ug)						
Hydrogen Sulfide	1.2	<1.2	<1.2						

SGS Galson
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BLANK SPIKE/BLANK SPIKE DUPLICATE REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-10			WG582949-11				
Type		BS			BSD				
Spike Lot #		42214			42214				
Instrument		SPEC6			SPEC6				
Analysis Date		Feb 15, 2024 11:13			Feb 15, 2024 11:13				
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	RPD	RPD Limits
Hydrogen Sulfide	90.8 to 117.	0.573	0.643	112.	0.573	0.646	113.	0.889	10.4

SGS Galson
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BLANK SPIKE/BLANK SPIKE DUPLICATE REPORT

Client : Center for Toxicology & Env. Health LLC
Account No: 13913
Login No. : L617241

Lab Sample ID		WG582949-15			WG582949-16				
Type		BS			BSD				
Spike Lot #		42214			42214				
Instrument		SPEC6			SPEC6				
Analysis Date		Feb 15, 2024 11:13			Feb 15, 2024 11:13				
	Limits (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	True Value (ug/ml)	Found (ug/ml)	Recovery (%)	RPD	RPD Limits
Hydrogen Sulfide	90.8 to 117.	0.573	0.648	113.	0.573	0.656	115.	1.75	10.4

Sample: WG582821-6 **Spikelot:** IH738253

QC Type: CCV **Raw File:**

Analysis date: 02/14/24 09:51:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Propylene	9.681	10	96.8	70.0 to 130.			
Freon-12	9.659	10	96.6	70.0 to 130.			
Chloromethane	8.887	10	88.9	70.0 to 130.			
Freon-114	9.181	10	91.8	70.0 to 130.			
Vinyl Chloride	9.031	10	90.3	70.0 to 130.			
1,3-Butadiene	8.944	10	89.4	70.0 to 130.			
n-Butane	8.426	10	84.3	70.0 to 130.			
Bromomethane	9.206	10	92.1	70.0 to 130.			
Chloroethane	8.671	10	86.7	70.0 to 130.			
Acetonitrile	7.792	10	77.9	70.0 to 130.			
Vinyl Bromide	9.186	10	91.9	70.0 to 130.			
Acrolein	9.27	10	92.7	70.0 to 130.			
Acetone	9.283	10	92.8	70.0 to 130.			
Freon-11	9.648	10	96.5	70.0 to 130.			
Isopropyl Alcohol	9.372	10	93.7	70.0 to 130.			
Acrylonitrile	9.613	10	96.1	70.0 to 130.			
Pentane	9.19	10	91.9	70.0 to 130.			
Ethyl Bromide	9.782	10	97.8	70.0 to 130.			
1,1-Dichloroethene	9.445	10	94.5	70.0 to 130.			
tert-Butyl Alcohol	9.338	10	93.4	70.0 to 130.			
Methylene Chloride	9.233	10	92.3	70.0 to 130.			
Freon-113	9.682	10	96.8	70.0 to 130.			
Carbon Disulfide	9.484	10	94.8	70.0 to 130.			
Allyl Chloride	8.753	10	87.5	70.0 to 130.			
trans-1,2-Dichloroethene	9.423	10	94.2	70.0 to 130.			
1,1-Dichloroethane	9.502	10	95	70.0 to 130.			
Methyl tert-Butyl Ether	9.447	10	94.5	70.0 to 130.			
Vinyl Acetate	8.558	10	85.6	70.0 to 130.			
Methyl Ethyl Ketone	9.335	10	93.4	70.0 to 130.			
cis-1,2-Dichloroethylene	9.585	10	95.9	70.0 to 130.			
Hexane	9.46	10	94.6	70.0 to 130.			
Ethyl Acetate	9.513	10	95.1	70.0 to 130.			
Chloroform	9.544	10	95.4	70.0 to 130.			
Tetrahydrofuran	9.219	10	92.2	70.0 to 130.			
1,2-Dichloroethane	9.591	10	95.9	70.0 to 130.			
1,1,1-Trichloroethane	9.721	10	97.2	70.0 to 130.			
Benzene	9.658	10	96.6	70.0 to 130.			

Sample: WG582821-6 **Spikelot:** IH738253

QC Type: CCV **Raw File:**

Analysis date: 02/14/24 09:51:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Carbon Tetrachloride	9.842	10	98.4	70.0 to 130.			
Cyclohexane	9.544	10	95.4	70.0 to 130.			
1,2-Dichloropropane	9.705	10	97.1	70.0 to 130.			
Bromodichloromethane	9.773	10	97.7	70.0 to 130.			
1,4-Dioxane	9.606	10	96.1	70.0 to 130.			
Trichloroethylene	9.78	10	97.8	70.0 to 130.			
2,2,4-Trimethylpentane	9.447	10	94.5	70.0 to 130.			
Methyl Methacrylate	9.638	10	96.4	70.0 to 130.			
Heptane	9.403	10	94	70.0 to 130.			
cis-1,3-Dichloropropene	9.862	10	98.6	70.0 to 130.			
trans-1,3-Dichloropropene	9.961	10	99.6	70.0 to 130.			
1,1,2-Trichloroethane	9.898	10	99	70.0 to 130.			
Methyl Isobutyl Ketone	9.462	10	94.6	70.0 to 130.			
Toluene	9.684	10	96.8	70.0 to 130.			
Methyl Butyl Ketone	9.558	10	95.6	70.0 to 130.			
Dibromochloromethane	9.995	10	100	70.0 to 130.			
1,2-Dibromoethane	9.999	10	100	70.0 to 130.			
Tetrachloroethylene	9.935	10	99.4	70.0 to 130.			
Chlorobenzene	9.91	10	99.1	70.0 to 130.			
Ethylbenzene	9.845	10	98.5	70.0 to 130.			
m & p-xylene	19.539	20	97.7	70.0 to 130.			
Bromoform	10.297	10	103	70.0 to 130.			
Styrene	9.962	10	99.6	70.0 to 130.			
1,1,2,2-Tetrachloroethane	9.838	10	98.4	70.0 to 130.			
o-Xylene	9.693	10	96.9	70.0 to 130.			
Nonane	9.681	10	96.8	70.0 to 130.			
Cumene	9.779	10	97.8	70.0 to 130.			
2-Chlorotoluene	9.976	10	99.8	70.0 to 130.			
n-Propylbenzene	9.898	10	99	70.0 to 130.			
4-Ethyltoluene	9.932	10	99.3	70.0 to 130.			
1,3,5-Trimethylbenzene	9.817	10	98.2	70.0 to 130.			
1,2,4-Trimethylbenzene	9.883	10	98.8	70.0 to 130.			
Benzyl Chloride	10.466	10	105	70.0 to 130.			
1,3-Dichlorobenzene	10.27	10	103	70.0 to 130.			
1,4-Dichlorobenzene	10.216	10	102	70.0 to 130.			
1,2-Dichlorobenzene	10.271	10	103	70.0 to 130.			
1,2,4-Trichlorobenzene	11.227	10	112	70.0 to 130.			

Sample: WG582821-6 **Spikelot:** IH738253
QC Type: CCV **Raw File:**
Analysis date: 02/14/24 09:51:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Naphthalene	10.407	10	104	70.0 to 130.			
Hexachloro-1,3-butadiene	10.229	10	102	70.0 to 130.			

Sample: WG582821-2 **Spikelot:** IH738376
QC Type: LCS **Raw File:**
Analysis date: 02/14/24 10:34:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Propylene	10.423	10	104	70.0 to 130.			
Freon-12	10.739	10	107	70.0 to 130.			
Chloromethane	9.766	10	97.7	70.0 to 130.			
Freon-114	9.585	10	95.9	70.0 to 130.			
Vinyl Chloride	9.895	10	99	70.0 to 130.			
1,3-Butadiene	10.049	10	100	70.0 to 130.			
n-Butane	9.334	10	93.3	70.0 to 130.			
Bromomethane	10.308	10	103	70.0 to 130.			
Chloroethane	9.963	10	99.6	70.0 to 130.			
Acetonitrile	9.314	10	93.1	70.0 to 130.			
Vinyl Bromide	10.617	10	106	70.0 to 130.			
Acrolein	9.832	10	98.3	70.0 to 130.			
Acetone	10.408	10	104	70.0 to 130.			
Freon-11	10.686	10	107	70.0 to 130.			
Isopropyl Alcohol	9.777	10	97.8	70.0 to 130.			
Acrylonitrile	10.934	10	109	70.0 to 130.			
Pentane	10.43	10	104	70.0 to 130.			
Ethyl Bromide	10.742	10	107	70.0 to 130.			
1,1-Dichloroethene	11.116	10	111	70.0 to 130.			
tert-Butyl Alcohol	10.447	10	104	70.0 to 130.			
Methylene Chloride	10.58	10	106	70.0 to 130.			
Freon-113	11.114	10	111	70.0 to 130.			
Carbon Disulfide	10.973	10	110	70.0 to 130.			
Allyl Chloride	10.04	10	100	70.0 to 130.			
trans-1,2-Dichloroethene	10.675	10	107	70.0 to 130.			
1,1-Dichloroethane	10.707	10	107	70.0 to 130.			
Methyl tert-Butyl Ether	10.829	10	108	70.0 to 130.			
Vinyl Acetate	9.097	10	91	70.0 to 130.			

Sample: WG582821-2 **Spikelot:** IH738376

QC Type: LCS **Raw File:**

Analysis date: 02/14/24 10:34:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Methyl Ethyl Ketone	10.58	10	106	70.0 to 130.			
cis-1,2-Dichloroethylene	10.751	10	108	70.0 to 130.			
Hexane	10.807	10	108	70.0 to 130.			
Ethyl Acetate	10.685	10	107	70.0 to 130.			
Chloroform	10.688	10	107	70.0 to 130.			
Tetrahydrofuran	11.398	10	114	70.0 to 130.			
1,2-Dichloroethane	10.422	10	104	70.0 to 130.			
1,1,1-Trichloroethane	10.348	10	103	70.0 to 130.			
Benzene	10.72	10	107	70.0 to 130.			
Carbon Tetrachloride	10.893	10	109	70.0 to 130.			
Cyclohexane	10.99	10	110	70.0 to 130.			
1,2-Dichloropropane	10.816	10	108	70.0 to 130.			
Bromodichloromethane	10.601	10	106	70.0 to 130.			
1,4-Dioxane	10.999	10	110	70.0 to 130.			
Trichloroethylene	10.793	10	108	70.0 to 130.			
2,2,4-Trimethylpentane	10.634	10	106	70.0 to 130.			
Methyl Methacrylate	10.732	10	107	70.0 to 130.			
Heptane	10.419	10	104	70.0 to 130.			
cis-1,3-Dichloropropene	10.331	10	103	70.0 to 130.			
trans-1,3-Dichloropropene	11.939	10	119	70.0 to 130.			
1,1,2-Trichloroethane	10.691	10	107	70.0 to 130.			
Methyl Isobutyl Ketone	10.804	10	108	70.0 to 130.			
Toluene	10.78	10	108	70.0 to 130.			
Methyl Butyl Ketone	10.704	10	107	70.0 to 130.			
Dibromochloromethane	11.137	10	111	70.0 to 130.			
1,2-Dibromoethane	10.768	10	108	70.0 to 130.			
Tetrachloroethylene	10.721	10	107	70.0 to 130.			
Chlorobenzene	10.776	10	108	70.0 to 130.			
Ethylbenzene	10.518	10	105	70.0 to 130.			
m & p-xylene	21.302	20	107	70.0 to 130.			
Bromoform	11.446	10	114	70.0 to 130.			
Styrene	10.984	10	110	70.0 to 130.			
1,1,2,2-Tetrachloroethane	10.59	10	106	70.0 to 130.			
o-Xylene	10.613	10	106	70.0 to 130.			
Nonane	10.66	10	107	70.0 to 130.			
Cumene	10.143	10	101	70.0 to 130.			
2-Chlorotoluene	10.872	10	109	70.0 to 130.			

Sample: WG582821-2 **Spikelot:** IH738376
QC Type: LCS **Raw File:**
Analysis date: 02/14/24 10:34:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
n-Propylbenzene	10.755	10	108	70.0 to 130.			
4-Ethyltoluene	11.175	10	112	70.0 to 130.			
1,3,5-Trimethylbenzene	10.628	10	106	70.0 to 130.			
1,2,4-Trimethylbenzene	10.562	10	106	70.0 to 130.			
Benzyl Chloride	12.091	10	121	70.0 to 130.			
1,3-Dichlorobenzene	11.291	10	113	70.0 to 130.			
1,4-Dichlorobenzene	11.067	10	111	70.0 to 130.			
1,2-Dichlorobenzene	11.207	10	112	70.0 to 130.			
1,2,4-Trichlorobenzene	10.919	10	109	70.0 to 130.			
Naphthalene	10.258	10	103	70.0 to 130.			
Hexachloro-1,3-butadiene	10.769	10	108	70.0 to 130.			

Sample: WG582821-3 **Spikelot:** IH738376
QC Type: LCSD **Raw File:**
Analysis date: 02/14/24 11:17:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Propylene	10.085	10	101	70.0 to 130.		3.3	-25 to 25.0
Freon-12	10.574	10	106	70.0 to 130.		1.55	-25 to 25.0
Chloromethane	9.678	10	96.8	70.0 to 130.		.905	-25 to 25.0
Freon-114	9.422	10	94.2	70.0 to 130.		1.72	-25 to 25.0
Vinyl Chloride	9.826	10	98.3	70.0 to 130.		.7	-25 to 25.0
1,3-Butadiene	9.787	10	97.9	70.0 to 130.		2.64	-25 to 25.0
n-Butane	9.096	10	91	70.0 to 130.		2.58	-25 to 25.0
Bromomethane	10.048	10	100	70.0 to 130.		2.55	-25 to 25.0
Chloroethane	9.673	10	96.7	70.0 to 130.		2.95	-25 to 25.0
Acetonitrile	8.961	10	89.6	70.0 to 130.		3.86	-25 to 25.0
Vinyl Bromide	10.27	10	103	70.0 to 130.		3.32	-25 to 25.0
Acrolein	9.739	10	97.4	70.0 to 130.		.95	-25 to 25.0
Acetone	10.333	10	103	70.0 to 130.		.723	-25 to 25.0
Freon-11	10.453	10	105	70.0 to 130.		2.2	-25 to 25.0
Isopropyl Alcohol	9.726	10	97.3	70.0 to 130.		.523	-25 to 25.0
Acrylonitrile	10.667	10	107	70.0 to 130.		2.47	-25 to 25.0
Pentane	10.295	10	103	70.0 to 130.		1.3	-25 to 25.0
Ethyl Bromide	10.553	10	106	70.0 to 130.		1.78	-25 to 25.0
1,1-Dichloroethene	10.838	10	108	70.0 to 130.		2.53	-25 to 25.0

Sample: WG582821-3 **Spikelot:** IH738376

QC Type: LCSD **Raw File:**

Analysis date: 02/14/24 11:17:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
tert-Butyl Alcohol	10.338	10	103	70.0 to 130.		1.05	-25 to 25.0
Methylene Chloride	10.424	10	104	70.0 to 130.		1.49	-25 to 25.0
Freon-113	10.913	10	109	70.0 to 130.		1.83	-25 to 25.0
Carbon Disulfide	10.808	10	108	70.0 to 130.		1.52	-25 to 25.0
Allyl Chloride	9.895	10	99	70.0 to 130.		1.45	-25 to 25.0
trans-1,2-Dichloroethene	10.481	10	105	70.0 to 130.		1.83	-25 to 25.0
1,1-Dichloroethane	10.575	10	106	70.0 to 130.		1.24	-25 to 25.0
Methyl tert-Butyl Ether	10.652	10	107	70.0 to 130.		1.65	-25 to 25.0
Vinyl Acetate	8.816	10	88.2	70.0 to 130.		3.14	-25 to 25.0
Methyl Ethyl Ketone	10.471	10	105	70.0 to 130.		1.04	-25 to 25.0
cis-1,2-Dichloroethylene	10.504	10	105	70.0 to 130.		2.32	-25 to 25.0
Hexane	10.579	10	106	70.0 to 130.		2.13	-25 to 25.0
Ethyl Acetate	10.813	10	108	70.0 to 130.		1.19	-25 to 25.0
Chloroform	10.5	10	105	70.0 to 130.		1.77	-25 to 25.0
Tetrahydrofuran	11.132	10	111	70.0 to 130.		2.36	-25 to 25.0
1,2-Dichloroethane	10.258	10	103	70.0 to 130.		1.59	-25 to 25.0
1,1,1-Trichloroethane	10.199	10	102	70.0 to 130.		1.45	-25 to 25.0
Benzene	10.611	10	106	70.0 to 130.		1.02	-25 to 25.0
Carbon Tetrachloride	10.728	10	107	70.0 to 130.		1.53	-25 to 25.0
Cyclohexane	10.716	10	107	70.0 to 130.		2.52	-25 to 25.0
1,2-Dichloropropane	10.641	10	106	70.0 to 130.		1.63	-25 to 25.0
Bromodichloromethane	10.443	10	104	70.0 to 130.		1.5	-25 to 25.0
1,4-Dioxane	10.954	10	110	70.0 to 130.		.41	-25 to 25.0
Trichloroethylene	10.614	10	106	70.0 to 130.		1.67	-25 to 25.0
2,2,4-Trimethylpentane	10.643	10	106	70.0 to 130.		.0846	-25 to 25.0
Methyl Methacrylate	10.62	10	106	70.0 to 130.		1.05	-25 to 25.0
Heptane	10.438	10	104	70.0 to 130.		.182	-25 to 25.0
cis-1,3-Dichloropropene	10.137	10	101	70.0 to 130.		1.9	-25 to 25.0
trans-1,3-Dichloropropene	11.823	10	118	70.0 to 130.		.976	-25 to 25.0
1,1,2-Trichloroethane	10.538	10	105	70.0 to 130.		1.44	-25 to 25.0
Methyl Isobutyl Ketone	10.695	10	107	70.0 to 130.		1.01	-25 to 25.0
Toluene	10.567	10	106	70.0 to 130.		2	-25 to 25.0
Methyl Butyl Ketone	10.575	10	106	70.0 to 130.		1.21	-25 to 25.0
Dibromochloromethane	10.952	10	110	70.0 to 130.		1.68	-25 to 25.0
1,2-Dibromoethane	10.706	10	107	70.0 to 130.		.577	-25 to 25.0
Tetrachloroethylene	10.625	10	106	70.0 to 130.		.899	-25 to 25.0
Chlorobenzene	10.689	10	107	70.0 to 130.		.811	-25 to 25.0

Sample: WG582821-3 **Spikelot:** IH738376
QC Type: LCSD **Raw File:**
Analysis date: 02/14/24 11:17:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Ethylbenzene	10.395	10	104	70.0 to 130.		1.18	-25 to 25.0
m & p-xylene	21.1	20	106	70.0 to 130.		.953	-25 to 25.0
Bromoform	11.296	10	113	70.0 to 130.		1.32	-25 to 25.0
Styrene	10.826	10	108	70.0 to 130.		1.45	-25 to 25.0
1,1,2,2-Tetrachloroethane	10.467	10	105	70.0 to 130.		1.17	-25 to 25.0
o-Xylene	10.444	10	104	70.0 to 130.		1.61	-25 to 25.0
Nonane	10.542	10	105	70.0 to 130.		1.11	-25 to 25.0
Cumene	9.959	10	99.6	70.0 to 130.		1.83	-25 to 25.0
2-Chlorotoluene	10.643	10	106	70.0 to 130.		2.13	-25 to 25.0
n-Propylbenzene	10.578	10	106	70.0 to 130.		1.66	-25 to 25.0
4-Ethyltoluene	11.017	10	110	70.0 to 130.		1.42	-25 to 25.0
1,3,5-Trimethylbenzene	10.586	10	106	70.0 to 130.		.396	-25 to 25.0
1,2,4-Trimethylbenzene	10.366	10	104	70.0 to 130.		1.87	-25 to 25.0
Benzyl Chloride	11.953	10	120	70.0 to 130.		1.15	-25 to 25.0
1,3-Dichlorobenzene	11.088	10	111	70.0 to 130.		1.81	-25 to 25.0
1,4-Dichlorobenzene	11	10	110	70.0 to 130.		.607	-25 to 25.0
1,2-Dichlorobenzene	11.031	10	110	70.0 to 130.		1.58	-25 to 25.0
1,2,4-Trichlorobenzene	10.742	10	107	70.0 to 130.		1.63	-25 to 25.0
Naphthalene	10.187	10	102	70.0 to 130.		.695	-25 to 25.0
Hexachloro-1,3-butadiene	10.581	10	106	70.0 to 130.		1.76	-25 to 25.0

Sample: WG582821-4 **Spikelot:** IH736222
QC Type: DLS **Raw File:**
Analysis date: 02/14/24 12:45:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Freon-12	.153	.16	95.6	60.0 to 140.			
Chloromethane	.145	.16	90.6	60.0 to 140.			
Freon-114	.158	.16	98.8	60.0 to 140.			
Vinyl Chloride	.133	.16	83.1	60.0 to 140.			
1,3-Butadiene	.138	.16	86.3	60.0 to 140.			
n-Butane	.176	.16	110	60.0 to 140.			
Bromomethane	.169	.16	106	60.0 to 140.			
Chloroethane	.142	.16	88.8	60.0 to 140.			
Vinyl Bromide	.136	.16	85	60.0 to 140.			
Acrolein	.169	.16	106	60.0 to 140.			

Sample: WG582821-4 **Spikelot:** IH736222

QC Type: DLS **Raw File:**

Analysis date: 02/14/24 12:45:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Freon-11	.155	.16	96.9	60.0 to 140.			
Acrylonitrile	.144	.16	90	60.0 to 140.			
Pentane	.157	.16	98.1	60.0 to 140.			
Ethyl Bromide	.152	.16	95	60.0 to 140.			
1,1-Dichloroethene	.151	.16	94.4	60.0 to 140.			
Methylene Chloride	.167	.16	104	60.0 to 140.			
Freon-113	.156	.16	97.5	60.0 to 140.			
Allyl Chloride	.189	.16	118	60.0 to 140.			
trans-1,2-Dichloroethene	.146	.16	91.3	60.0 to 140.			
1,1-Dichloroethane	.154	.16	96.3	60.0 to 140.			
Methyl tert-Butyl Ether	.147	.16	91.9	60.0 to 140.			
Vinyl Acetate	.159	.16	99.4	60.0 to 140.			
Methyl Ethyl Ketone	.152	.16	95	60.0 to 140.			
cis-1,2-Dichloroethylene	.148	.16	92.5	60.0 to 140.			
Hexane	.148	.16	92.5	60.0 to 140.			
Ethyl Acetate	.141	.16	88.1	60.0 to 140.			
Chloroform	.153	.16	95.6	60.0 to 140.			
Tetrahydrofuran	.145	.16	90.6	60.0 to 140.			
1,2-Dichloroethane	.148	.16	92.5	60.0 to 140.			
1,1,1-Trichloroethane	.149	.16	93.1	60.0 to 140.			
Benzene	.151	.16	94.4	60.0 to 140.			
Carbon Tetrachloride	.149	.16	93.1	60.0 to 140.			
Cyclohexane	.158	.16	98.8	60.0 to 140.			
1,2-Dichloropropane	.143	.16	89.4	60.0 to 140.			
Bromodichloromethane	.147	.16	91.9	60.0 to 140.			
1,4-Dioxane	.159	.16	99.4	60.0 to 140.			
Trichloroethylene	.151	.16	94.4	60.0 to 140.			
2,2,4-Trimethylpentane	.15	.16	93.8	60.0 to 140.			
Methyl Methacrylate	.148	.16	92.5	60.0 to 140.			
Heptane	.152	.16	95	60.0 to 140.			
cis-1,3-Dichloropropene	.143	.16	89.4	60.0 to 140.			
trans-1,3-Dichloropropene	.144	.16	90	60.0 to 140.			
1,1,2-Trichloroethane	.149	.16	93.1	60.0 to 140.			
Methyl Isobutyl Ketone	.147	.16	91.9	60.0 to 140.			
Toluene	.152	.16	95	60.0 to 140.			
Methyl Butyl Ketone	.147	.16	91.9	60.0 to 140.			
Dibromochloromethane	.139	.16	86.9	60.0 to 140.			

Sample: WG582821-4 **Spikelot:** IH736222
QC Type: DLS **Raw File:**
Analysis date: 02/14/24 12:45:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
1,2-Dibromoethane	.154	.16	96.3	60.0 to 140.			
Tetrachloroethylene	.15	.16	93.8	60.0 to 140.			
Chlorobenzene	.156	.16	97.5	60.0 to 140.			
Ethylbenzene	.156	.16	97.5	60.0 to 140.			
m & p-xylene	.307	.32	95.9	60.0 to 140.			
Bromoform	.143	.16	89.4	60.0 to 140.			
Styrene	.147	.16	91.9	60.0 to 140.			
1,1,2,2-Tetrachloroethane	.155	.16	96.9	60.0 to 140.			
o-Xylene	.15	.16	93.8	60.0 to 140.			
Nonane	.158	.16	98.8	60.0 to 140.			
Cumene	.156	.16	97.5	60.0 to 140.			
2-Chlorotoluene	.152	.16	95	60.0 to 140.			
n-Propylbenzene	.154	.16	96.3	60.0 to 140.			
4-Ethyltoluene	.15	.16	93.8	60.0 to 140.			
1,3,5-Trimethylbenzene	.158	.16	98.8	60.0 to 140.			
1,2,4-Trimethylbenzene	.152	.16	95	60.0 to 140.			
Benzyl Chloride	.128	.16	80	60.0 to 140.			
1,3-Dichlorobenzene	.159	.16	99.4	60.0 to 140.			
1,4-Dichlorobenzene	.153	.16	95.6	60.0 to 140.			
1,2-Dichlorobenzene	.163	.16	102	60.0 to 140.			
1,2,4-Trichlorobenzene	.171	.16	107	60.0 to 140.			
Naphthalene	.187	.16	117	60.0 to 140.			
Hexachloro-1,3-butadiene	.171	.16	107	60.0 to 140.			

Sample: WG582821-5 **Spikelot:** IH736222
QC Type: DLS **Raw File:**
Analysis date: 02/14/24 15:01:00 **Approval Status:** YES
Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Propylene	.466	.5	93.2	60.0 to 140.			
Acetonitrile	.457	.5	91.4	60.0 to 140.			
Acetone	.496	.5	99.2	60.0 to 140.			
Isopropyl Alcohol	.478	.5	95.6	60.0 to 140.			
tert-Butyl Alcohol	.471	.5	94.2	60.0 to 140.			
Carbon Disulfide	.507	.5	101	60.0 to 140.			

Sample: WG582821-7 **Spikelot:** IH738253

QC Type: CCV **Raw File:**

Analysis date: 02/15/24 04:01:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Propylene	9.554	10	95.5	70.0 to 130.			
Freon-12	9.78	10	97.8	70.0 to 130.			
Chloromethane	8.664	10	86.6	70.0 to 130.			
Freon-114	9.246	10	92.5	70.0 to 130.			
Vinyl Chloride	8.982	10	89.8	70.0 to 130.			
1,3-Butadiene	8.806	10	88.1	70.0 to 130.			
n-Butane	8.314	10	83.1	70.0 to 130.			
Bromomethane	9.217	10	92.2	70.0 to 130.			
Chloroethane	8.711	10	87.1	70.0 to 130.			
Acetonitrile	8.143	10	81.4	70.0 to 130.			
Vinyl Bromide	9.32	10	93.2	70.0 to 130.			
Acrolein	9.27	10	92.7	70.0 to 130.			
Acetone	9.295	10	93	70.0 to 130.			
Freon-11	9.642	10	96.4	70.0 to 130.			
Isopropyl Alcohol	9.422	10	94.2	70.0 to 130.			
Acrylonitrile	9.488	10	94.9	70.0 to 130.			
Pentane	9.141	10	91.4	70.0 to 130.			
Ethyl Bromide	9.844	10	98.4	70.0 to 130.			
1,1-Dichloroethene	9.56	10	95.6	70.0 to 130.			
tert-Butyl Alcohol	9.386	10	93.9	70.0 to 130.			
Methylene Chloride	9.233	10	92.3	70.0 to 130.			
Freon-113	9.745	10	97.5	70.0 to 130.			
Carbon Disulfide	9.488	10	94.9	70.0 to 130.			
Allyl Chloride	8.848	10	88.5	70.0 to 130.			
trans-1,2-Dichloroethene	9.412	10	94.1	70.0 to 130.			
1,1-Dichloroethane	9.478	10	94.8	70.0 to 130.			
Methyl tert-Butyl Ether	9.486	10	94.9	70.0 to 130.			
Vinyl Acetate	8.652	10	86.5	70.0 to 130.			
Methyl Ethyl Ketone	9.413	10	94.1	70.0 to 130.			
cis-1,2-Dichloroethylene	9.625	10	96.3	70.0 to 130.			
Hexane	9.425	10	94.3	70.0 to 130.			
Ethyl Acetate	9.591	10	95.9	70.0 to 130.			
Chloroform	9.672	10	96.7	70.0 to 130.			
Tetrahydrofuran	9.274	10	92.7	70.0 to 130.			
1,2-Dichloroethane	9.626	10	96.3	70.0 to 130.			
1,1,1-Trichloroethane	9.72	10	97.2	70.0 to 130.			
Benzene	9.808	10	98.1	70.0 to 130.			

Sample: WG582821-7 **Spikelot:** IH738253

QC Type: CCV **Raw File:**

Analysis date: 02/15/24 04:01:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Carbon Tetrachloride	9.765	10	97.7	70.0 to 130.			
Cyclohexane	9.649	10	96.5	70.0 to 130.			
1,2-Dichloropropane	9.656	10	96.6	70.0 to 130.			
Bromodichloromethane	9.867	10	98.7	70.0 to 130.			
1,4-Dioxane	9.637	10	96.4	70.0 to 130.			
Trichloroethylene	9.881	10	98.8	70.0 to 130.			
2,2,4-Trimethylpentane	9.532	10	95.3	70.0 to 130.			
Methyl Methacrylate	9.733	10	97.3	70.0 to 130.			
Heptane	9.39	10	93.9	70.0 to 130.			
cis-1,3-Dichloropropene	9.928	10	99.3	70.0 to 130.			
trans-1,3-Dichloropropene	10.083	10	101	70.0 to 130.			
1,1,2-Trichloroethane	10.091	10	101	70.0 to 130.			
Methyl Isobutyl Ketone	9.38	10	93.8	70.0 to 130.			
Toluene	9.734	10	97.3	70.0 to 130.			
Methyl Butyl Ketone	9.546	10	95.5	70.0 to 130.			
Dibromochloromethane	10.026	10	100	70.0 to 130.			
1,2-Dibromoethane	10.117	10	101	70.0 to 130.			
Tetrachloroethylene	9.876	10	98.8	70.0 to 130.			
Chlorobenzene	9.983	10	99.8	70.0 to 130.			
Ethylbenzene	9.843	10	98.4	70.0 to 130.			
m & p-xylene	19.804	20	99	70.0 to 130.			
Bromoform	10.318	10	103	70.0 to 130.			
Styrene	10.07	10	101	70.0 to 130.			
1,1,2,2-Tetrachloroethane	9.966	10	99.7	70.0 to 130.			
o-Xylene	9.86	10	98.6	70.0 to 130.			
Nonane	9.748	10	97.5	70.0 to 130.			
Cumene	9.861	10	98.6	70.0 to 130.			
2-Chlorotoluene	10.045	10	100	70.0 to 130.			
n-Propylbenzene	9.969	10	99.7	70.0 to 130.			
4-Ethyltoluene	10.093	10	101	70.0 to 130.			
1,3,5-Trimethylbenzene	9.808	10	98.1	70.0 to 130.			
1,2,4-Trimethylbenzene	9.885	10	98.9	70.0 to 130.			
Benzyl Chloride	10.545	10	105	70.0 to 130.			
1,3-Dichlorobenzene	10.4	10	104	70.0 to 130.			
1,4-Dichlorobenzene	10.289	10	103	70.0 to 130.			
1,2-Dichlorobenzene	10.328	10	103	70.0 to 130.			
1,2,4-Trichlorobenzene	10.936	10	109	70.0 to 130.			

Sample: WG582821-7 **Spikelot:** IH738253

QC Type: CCV **Raw File:**

Analysis date: 02/15/24 04:01:00 **Approval Status:** YES

Instrument: MS J

Parameter	Found	True	Rec.	Limits	DE Rec. Limits	RPD	Limits
Naphthalene	10.141	10	101	70.0 to 130.			
Hexachloro-1,3-butadiene	10.049	10	100	70.0 to 130.			

L6017241

775125470115
Date:02/09/24
Shipper:FEDEX
Initials:MMM
Prep:UNKNOWN

775125470126
Date:02/09/24
Shipper:FEDEX
Initials:MMM
Prep:UNKNOWN

775125470137
Date:02/09/24
Shipper:FEDEX
Initials:MMM
Prep:UNKNOWN

135, 136, Cart #3

CTEH® CHAIN OF CUSTODY FORM

Send Report to	Jarrod Robinson, Cole Ledbetter
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	Jrobinson@cteh.com, Cledbetter@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com Invoice # and Vendor name in subject line

CTEH Project # 037346

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☑ Other (Specify) Standard TAT and

Data Packet Requested: ☑ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☑

Retain w/ storage fees after 2X hold time ☐

Lab Contact Information Galson Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method SO_2 N6004	Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
(A) 2524AØ1A	AREA1	418.3	L	2-5-24	1108	2-5-24	2248	JMR	✓	A
2524AØ2A	AREA2	415			1122		2256		✓	
2524AØ3A	AREA3	4ØJ.1			1133		2302		✓	
2524AØ4A	AREA4	4Ø6.8			1156		2308		✓	
2524AØ1B	AREA1	428.3			2248	2-6-24	1Ø46		✓	
2524AØ2B	AREA2	435.7			2256		1Ø58		✓	
2524AØ3B	AREA3	436.6			2302		1115		✓	
2524AØ4B	AREA4	447.2			2308		1126		✓	
2524ABLANK1	BLANK	—			—		—		✓	

JMR

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24
fedex	2/9/24 1001	Megan M. McGrath	Megan M. McGrath

Rec'd intact & accounted for? Yes or No
Rec'd w/custody seals intact? Yes or No
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # —

(A) - Trtd Whatman/MCE 2/9/24 10.93A

Page 1 of 7

CTEH® CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

Send Report to	Jarrod Robinson, Cole Ledbetter
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	Jrobinson@cteh.com, Cledbetter@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com Invoice # and Vendor name in subject line

CTEH Project # 037346

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☑ Other (Specify) Standard TAT

Data Packet Requested: ☑ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☑

Retain w/ storage fees after 2X hold time ☐

Lab Contact Information: Galson Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: SO_2 NIOSH	Matrix
262AA01A	AREA1	A35.7	L	2-6-24	1047	2-6-24	2246	JMR	✓	A
262AA02A	AREA2	A32.2			1101		2252		✓	
262AA03A	AREA3	A24			1117		2259		✓	
262AA04A	AREA4	A25.2			1128		2305		✓	
262AA01B	AREA1	A31.8			2246	2-7-24	1045		✓	
262AA02B	AREA2	A38.9			2252		1101		✓	
262AA03B	AREA3	A36.7			2259		1116		✓	
262AA04B	AREA4	A44.9			2305		1124		✓	
262AABLANK1	BLANK	—			—		—		✓	
				JMR						

(A)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24
fedex	2/9/24 10:00	Megan M. McGrath	2/9/24 10:43

(A) Trfd Whetman/MCE

Rec'd intact & accounted for? Yes or No ___
Rec'd w/custody seals intact? Yes or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

CTEH® CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

Send Report to	Jarod Robinson, Cole Ledbetter
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	Jrobinson@cteh.com, Cledbetter@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com Invoice # and Vendor name in subject line

CTEH Project # 037346

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day ☐ Two Day ☒ Other (Specify) Standard TAT

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

Lab Contact Information: Galson

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: SO_2 N6004	Matrix
(A) 2724A01A	AREA1	438.8	L	2-7-24	1045	2-7-24	2243	JMR	✓	A
2724A02A	AREA2	429.1	"	"	1100	"	2248	"	✓	"
2724A03A	AREA3	429.9	"	"	1115	"	2255	"	✓	"
2724A04A	AREA4	421.9	"	"	1125	"	2300	"	✓	"
2724A01B	AREA1	435.4	"	"	2243	2-8-24	1045	"	✓	"
2724A02B	AREA2	440.3	"	"	2248	"	1054	"	✓	"
2724A03B	AREA3	443.8	"	"	2255	"	1102	"	✓	"
2724A04B	AREA4	442.4	"	"	2300	"	1111	"	✓	"
2724ABLANK1	BLANK	—	"	"	—	"	—	"	✓	"
				JMR						

JMR

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24
fedex	2/9/24 10:00	Megan M. McGrath	Megan M. McGrath 2/9/24 10:43

Rec'd intact & accounted for? (Yes) or No ___
Rec'd w/custody seals intact? (Yes) or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # —

(A) – Trish Whatmen / MCE 2/9/24 10:43

CTEH® CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

Send Report to	James Robinson, Cole Ledbetter
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	JRobinson@cteh.com, CLedbetter@cteh.com
Accounting	Send invoices to ctehap@montrose-env.com Invoice # and Vendor name in subject line

CTEH Project # 0J7346

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day
☐ Two Day ☑ Other (Specify) Standard TAT

Data Packet Requested: ☑ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☑
Retain w/ storage fees after 2X hold time ☐

Lab Contact Information: Galson Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: H_2S In house WET-SOP-13	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
(B) 252AR01	AREA1	1417	min	2-5-24	1108	2-6-24	1045	JMR	✓	A
252AR02	AREA2	1416			1122		1058		✓	
252AR03	AREA3	1422			1133		1115		✓	
252AR04	AREA4	1416			1150		1126		✓	
252ARBLANK	BLANK	—			—		—		✓	
262AR01	AREA1	1438		2-6-24	1047	2-7-24	1045		✓	
262AR02	AREA2	1440			1101		1101		✓	
262AR03	AREA3	1439			1117		1116		✓	
262AR04	AREA4	1436			1128		1124		✓	
262ARBLANK	BLANK	—			—		—		✓	

JMR

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24
fedex	2/9/24 10:00	Megan M. McGrath	2/9/24 1045

Rec'd intact & accounted for? Yes or No ___
Rec'd w/custody seals intact? Yes or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # _____

(B) - Radiello Badge

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(B) 272AR01	AREA1	1440	min	2-7-24	1045	2-8-24	1045	JMR	✓	A
272AR02	AREA2	1433	↓	↓	1108	↓	1054	↓	✓	↓
272AR03	AREA 3	1427	↓	↓	1115	↓	1102	↓	✓	↓
272AR04	AREA4	1426	↓	↓	1125	↓	1111	↓	✓	↓
272ARBLANK	BLANK	—	↓	↓	—	↓	—	↓	✓	↓

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24

Rec'd intact & accounted for? Yes or No ___
Rec'd w/custody seals intact? Yes or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # ~

Page 5 of 7

(B) Radiello Badge

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Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☑

Retain w/ storage fees after 2X hold time ☐

Lab Contact Information Salson Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method TO-15	Method TICs	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
(C) 252AMC01	AREA 1	6	L	2-5-24	1108	2-6-24	1045	JMR	✓	✓	A
252AMC02	AREA 2	↓	↓	↓	1122	↓	1058	↓	✓	✓	↓
252AMC03	AREA 3				1133		1115		✓	✓	
252AMC04	AREA 4				1150		1126		✓	✓	
262AMC01	AREA 1			2-6-24	1047	2-7-24	1045		✓	✓	
262AMC02	AREA 2				1101		1101		✓	✓	
262AMC03	AREA 3				1117		1116		✓	✓	
262AMC04	AREA 4	↓	↓	↓	1128	↓	1124	↓	✓	✓	↓

JMR

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED EX	2-8-24
Fedex	2/9/24	Megan M. McGrath	2/9/24 10:43

Rec'd intact & accounted for? (Yes) or No ___
Rec'd w/custody seals intact? (Yes) or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # ___

(C) - Can GC

JMR

CTEH® CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

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(C) 272AMC01	AREA 1	6	L	2-7-24	1045	2-8-24	1045	JMR	✓	✓	A
272AMC02	AREA 2				1101		1054		✓	✓	
272AMC03	AREA 3				1115		1102		✓	✓	
272AMC04	AREA 4				1125		1111		✓	✓	
272AMC06	Back Ground				—		—		✓	✓	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
J. Robinson	2-8-24	FED Ex	2-8-24
Fedex	2/9/24	Megan M. McGrath Megan M. McGrath	2/9/24 10.43

Rec'd intact & accounted for? Yes or No ___
Rec'd w/custody seals intact? Yes or No ___
Rec'd in light sensitive packaging? Yes or No ✓
Rec'd with ice pack? Yes or No ✓
Rec'd temperature compliant? Yes or No ✓

SDG # —

(C) - Can 6L

Appendix F

Assessment Field Notes

ADEQ Air Quality Assessment, Springdale, Arkansas Notes

- Feb 5th
  - Mobilized at 0545 and arrived on site at 1045.
  - Four sampling points.
    - **Area 1 -** By the second light pole on S Pianalto Rd.
    - **Area 2 -** On the fence across from 18769 Clear Water Rd, Fayetteville, AR 72704
    - **Area 3 -** On a light pole across from 1497 Arbor Acres Ave, Springdale, AR 72762
    - **Area 4 -** Corner of Arbor Acres Ave and Dowell Rd.
  - Sampling Equipment deployed between 1100-1200.
  - Wind
    - Morning - N wind between 1.4 mph and 6.5 mph
    - Night – No wind at 3 locations and NE wind of 1.2 mph at Area 2
  - Temperatures
    - Morning - 54 °F – 58 °F.
    - Night - 40 °F
  - Real-time
    - Morning - data for all locations indicated no detections of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
    - Night - data for all locations indicated no detection of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
  - No odors present.
  - Analytical sampling equipment changed between 2245 and 2315.
- Feb 6th
  - All sampling Equipment changed between 1045 and 1130.
  - Wind
    - Morning – SE wind between 2 mph and 3 mph.
    - Night – No wind at 1 location and SE wind between 1.5 mph and 2 mph at the other three locations.
  - Temperatures
    - Morning - Temperature at 53 °F
    - Night – 47 °F – 48 °F
  - Real-time
    - Morning - data for all locations indicated no detection of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
    - Night - data for all locations indicated no detections of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
  - Trash odor was present in the morning, and trash odor with a slight rotten eggs smell at night at the S Pianalto location and fence line location across from 1497 Arbor Acres Ave.
  - Analytical sampling equipment changed between 2245 and 2315.
  - *****Noted by Waste Management employees that household trash was seen being burned at 1497 Arbor Acres Avenue @ 0827.*****

- Feb 7th
    - All sampling Equipment changed between 1045 and 1130.
    - Wind
        - Morning – S wind between 7 mph and 8 mph at 3 locations and no wind at Area 4.
        - Night – S wind between 4.3 mph and 10 mph.
    - Temperatures
        - Morning - Temperature at 56 °F - 59 °F.
        - Night – 52 °F - 53 °F
    - Real-time
        - Morning - data for all locations indicated no detection of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
        - Night - data for all locations indicated no detections of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
    - Trash odor was present in the morning and night at the S Pianalto location, no odor at the other three locations.
    - Analytical sampling equipment changed between 2240 and 2300.
- Feb 8th
    - All sampling Equipment picked up between 1045 and 1130.
    - Wind
        - Morning – SW wind between 5 mph and 14 mph.
    - Temperatures
        - Morning - Temperature at 61 °F - 62 °F.
    - Real-time
        - Morning - data for all locations indicated no detection of VOCs, LEL, H_2S, and SO_2, with O_2 detected at 20.9 ppm.
    - Trash odor was present in the morning at the corner of Arbor Acres Ave and Dowell Rd.