



United States Environmental Protection Agency

AIR SAMPLING RESULTS TABLE

Helena Chemical Superfund Removal Site

CERCLIS # TXD980625008

To provide the public with a point of reference, EPA has compared the results to its Air Sampling to the State of Texas Effects Screening Levels.

What are Effects Screening Levels (ESLs)?

Effects Screening Levels are used to evaluate the potential for effects to occur as a result of exposure to concentrations of constituents in the air. ESLs are based on data concerning health effects, the potential for odors to be a nuisance, effects on vegetation, and corrosive effects. They are not ambient air standards.

If predicted or measured airborne levels of a constituent do not exceed the screening level, adverse health or welfare effects are not expected. If ambient levels of constituents in air exceed the screening levels, it does not necessarily indicate a problem but rather triggers a review in more depth.

For more information please visit: http://www.tceq.state.tx.us/implementation/tox/esl/list_main.html

This data was collected using a portable, battery-powered monitor that often is used in emergency response situations, because it gives immediate readings. EPA does not use data from these types of monitors either for compliance purposes or for generating routine air quality advisories.

Sample IDs with MCE = Analysis of Pesticides as Dust.
Sample IDs with PUF = Analysis of Pesticides as a Vapor.

Air Sampling Laboratory Results - 3/25/2008

Helena Site Activity: The ERRS contractor completed the loading of excavated soil from Pile 3 into disposal trucks for transport to the off-site disposal facility. In addition, the ERRS contractor finalized site restoration activities.

Approximate Sampling Time: 0720 to 1653 hrs

*ST-ESL = Texas Short Term Effects Screening Level - short term indicates a one hour averaging period.

Location	Map ID	Sample ID	Target Analyte Found ($\mu\text{g}/\text{m}^3$)	Below Action Level ($\mu\text{g}/\text{m}^3$)? ST-ESL*
MCISD Transportation Yard (Downwind)	1	MCE-032508-01	None	Yes
On-site, North (Downwind)	2	MCE-032508-02	None	Yes
On-site, Southeast	3	MCE-032508-03	None	Yes

Sampled and Not Found:

4,4-DDD	Beta-BHC	Endrin	Heptachlor epoxide
4,4-DDE	Delta-BHC	Endrin Aldehyde	Methoxychlor
4,4-DDT	Dieldrin	Endrin Ketone	Toxaphene
Aldrin	Endosulfan I	Gamma-BHC	
Alpha-BHC	Endosulfan II	Gamma-Chlordane	
Alpha-Chlordane	Endosulfan Sulfate	Heptachlor	

3/25/2008 SUMMARY: All levels of analytes found are below screening levels. If the level of a constituent in the air exceeds the screening levels, it does not necessarily indicate a problem but rather triggers a more in-depth review.



Image: National Agricultural Imagery Program, November 11, 2004 downloaded from TNIRIS

Legend

- ▲ Dust and Vapor Sample
- Dust Sample Only
- Vapor Sample Only

0 100 200 400 600 800 Feet



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



3/25/08

AIR SAMPLING LOCATION MAP HELENA CHEMICAL

MISSION, HIDALGO COUNTY, TEXAS

DYNAMAC
CORPORATION

Drawn: JTT/AV9.2
Date: 3/21/08
Dwg. No.: HC-01

FIGURE 1