

## Jakub, Barbara, Env. Health

---

**From:** Jakub, Barbara, Env. Health  
**Sent:** Thursday, September 17, 2009 9:41 AM  
**To:** 'Jonas, Mark'  
**Cc:** Hee, Calvin; Fong, Bryan  
**Subject:** RE: Additional Soil Gas Leak Detection Analytes - Nady 521000, RO0000082

Dear Mr. Jonas,

We request 72-hour notification for field work. In future please comply with this request. As such, I will be unable to witness this field event.

This e-mail also does not serve to approve or deny your added TPHss analysis.

Regards,

Barb Jakub

---

**From:** Jonas, Mark [mailto:mjonas@croworld.com]  
**Sent:** Thursday, September 17, 2009 9:14 AM  
**To:** Jakub, Barbara, Env. Health  
**Cc:** Hee, Calvin; Fong, Bryan  
**Subject:** RE: Additional Soil Gas Leak Detection Analytes - Nady 521000, RO0000082

Dear Barbara:

We are collecting soil gas samples at the Nady site today (9-17-09). We have modified the list of analytes per your e-mail below. We are also using TO-17 to run TPHss, as recommended by the laboratory.

**Table 6-1**  
**Soil Gas Analysis, Sampling Containers, Preservatives, Detection Limits, and Holding Times**

Analysis and Method	Sampling Containers	Preservatives	Detection Limit (ug/m <sup>3</sup> )	Holding Times
TPHss (Method TO-17)	Summa Canister	None	300	30 days
TPHg (Method TO-15)	Summa Canister	None	100	30 days
Benzene, Ethylbenzene, Toluene, Xylenes (Method TO-15)	Summa Canister	None	2, 2, 2, 2	30 days
PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, VC (Method TO-15)	Summa Canister	None	varies	30 days
Helium, O <sub>2</sub> , CO <sub>2</sub> , Methane (ASTM D-1946)	Summa Canister	None		

Please call me on my mobile phone if you would like to discuss the soil gas sampling event. Bryan Fong (CRA, 510/385-0509 m.) is my field manager for this event. If you would like to come see soil gas sampling, please contact me on my mobile phone and Bryan.

We hope to include the soil gas results in the Additional Site Characterization Report.

Sincerely,

**Mark Jonas**

Mark Jonas, P.G.

**Conestoga-Rovers & Associates, Inc.**

510/420-3307 direct  
510/385-0022 mobile

[www.CRAworld.com](http://www.CRAworld.com)

---

**From:** Jakub, Barbara, Env. Health [mailto:barbara.jakub@acgov.org]  
**Sent:** Friday, August 28, 2009 11:20 AM  
**To:** Jonas, Mark  
**Cc:** Hee, Calvin; Fong, Bryan; Schrag@nady.com  
**Subject:** RE: Additional Soil Gas Leak Detection Analytes - Nady 521000, RO0000082

Dear Mark,

ACEH prefers that you use helium as your tracer gas. Please use and analyze for helium as well as O<sub>2</sub>, CO<sub>2</sub> and methane as per the DTSC advisory.

Regards,

Barb Jakub

---

**From:** Jonas, Mark [mailto:mjonas@croworld.com]  
**Sent:** Friday, August 28, 2009 10:55 AM  
**To:** Jakub, Barbara, Env. Health  
**Cc:** Hee, Calvin; Fong, Bryan; Schrag@nady.com  
**Subject:** Additional Soil Gas Leak Detection Analytes - Nady 521000, RO0000082

Dear Barbara:

Our July 1, 2008 *Additional Site Characterization Work Plan* recommended "Butane, Isobutane, Propane (Method TO-15, TIC) - For leak detection." Because of interference issues we have had with these compounds, we currently use helium. We would like your approval to add helium (ASTM D-1946) as an additional leak detection compound. Do we have your approval to add helium to the list of soil gas analytes?

Also, the "Advisory – Active Soil Gas Investigations," (Department of Toxic Substances Control and California Regional Water Quality Control Board) recommends analyzing for fixed gases O<sub>2</sub>, CO<sub>2</sub>, and methane by ASTM D-1946. We know other sites where ACEH have required these analytes. Do you want us to also analyze for these analytes?

We plan to sample the soil gas probes next week.

Sincerely,

**Mark Jonas**

Mark Jonas, P.G.

**Conestoga-Rovers & Associates, Inc.**

5900 Hollis Street, Suite A

Emeryville, California 94608

510/420-3307 direct

510/420-9170 fax

[www.CRAworld.com](http://www.CRAworld.com)