

## Wickham, Jerry, Env. Health

---

**From:** Smith, Paul [PSmith@lpfire.org]  
**Sent:** Wednesday, October 01, 2014 9:30 AM  
**To:** Wickham, Jerry, Env. Health  
**Subject:** Re: Valero# 3823, 2991 Hopyard Rd, Pleasanton CA--Sump Removal Soil Results Summary

*Paul M. Smith*

Livermore Pleasanton Fire Department  
Hazardous Materials Inspector  
3560 Nevada St.  
Pleasanton, CA 94566

925 454-2339 office  
925 454-2367 fax



**From:** Charlie York [mailto:charlieyork@gmail.com]  
**Sent:** Tuesday, September 30, 2014 12:09 PM  
**To:** Smith, Paul  
**Subject:** Fwd: Valero Station No. 3823----2991 Hopyard Rd, Pleasanton CA--Sump Removal Soil Results Summary

Paul,

Here is table of all soil analytical results for sump removal at Valero 3823 plus discussion of metals, TPH-d and Oil and Grease detected. I will call you to discuss.

Thanks,  
Chuck

----- Forwarded message -----

From: "Eric Choi" <[ejc@tsgcorp.net](mailto:ejc@tsgcorp.net)>

Date: Sep 30, 2014 11:50 AM

Subject: Valero Station No. 3823----2991 Hopyard Rd, Pleasanton CA--Sump Removal Soil Results Summary

To: <[charlieyork@gmail.com](mailto:charlieyork@gmail.com)>

Cc: <[dar@tsgcorp.net](mailto:dar@tsgcorp.net)>, <[djm@tsgcorp.net](mailto:djm@tsgcorp.net)>

Mr. Charlie York,

This email correspondence summarizes the results of the soil sampling performed for the concrete sump removal at the Valero Station No. 3823, located at 2991 Hopyard Road in Pleasanton, California. Three samples were collected from the excavation pit (two samples from below the influent and effluent pipe inlet/outlets, and one from the center of the excavation pit), and four point composite samples were collected from the sandy material removed from within the concrete sump (this material was/is stockpiled separately), and from stockpiled excavated materials, primarily consisting of pea gravel.

The analytical soil data is summarized in the table displayed below:

		EPA Methods:											
		6010					8260		8260	8015	1664	8082	8270c
Sample ID:	Sample Date	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Nickel mg/kg	Zinc mg/kg	BTEX mg/kg	Fuel Oxys mg/kg	TPHg mg/kg	TPHd mg/kg	TPHo&g mg/kg	PCBs ug/kg	PAHs mg/kg
SUMP-EFFPIPE@4'	9/25/2014	ND<0.50	<b>64</b>	<b>7.6</b>	<b>83</b>	<b>62</b>	ALL ND	ALL ND	ALL ND	<b>2.0<sup>a</sup></b>	ND<10	ALL ND	ALL ND
SUMP-1-MID@9 1/2'	9/25/2014	ND<0.50	<b>58</b>	<b>5.8</b>	<b>83</b>	<b>43</b>	ALL ND	ALL ND	ALL ND	<b>1.1<sup>a</sup></b>	<b>27</b>	ALL ND	ALL ND
SUMP-INFPIPE@3'	9/25/2014	ND<0.50	<b>50</b>	<b>5.8</b>	<b>68</b>	<b>49</b>	ALL ND	ALL ND	ALL ND	<b>1.5<sup>a</sup></b>	ND<10	ALL ND	ALL ND
STOCKPILE-4PT COMP	9/25/2014	ND<0.50	<b>39</b>	<b>5</b>	<b>49</b>	<b>82</b>	ALL ND	ALL ND	ALL ND	<b>20<sup>a</sup></b>	<b>13</b>	ALL ND	ALL ND
SUMP-SAND-4PT COMP	9/25/2014	ND<0.50	<b>45</b>	<b>4.3</b>	<b>46</b>	<b>36</b>	ALL ND	ALL ND	ALL ND	<b>53<sup>a</sup></b>	<b>92</b>	ALL ND	ALL ND

SFRWQCB ESLS (mg/kg) Shallow Soil Commercial/Industrial Property Use/Groundwater as a Drinking Resource

12            2,500            320            150            600                            500            110            500

Analysis of Background Distribution of Metals in the Soil at Lawrence Berkeley National Laboratory, (mg/kg) 95th Percentiles\*\*

--            100            17            164            110

Notes:

mg/kg = Miligrams per kilogram (equivalent to parts per million)

ug/kg = Micograms per kilogram (equivalent to parts per billion)

< = Not detected at or above the detection limit

**Bold** = Concentrations detected above laboratory detection limit

ND = No-detect

Fuel Oxys = methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, methanol, ethanol

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board, California  
= EPA

EPA = Environmental Protection Agency

ESL = Environmental Screening Level

*Screening for environmental concerns at sites with contaminated soil and groundwater (December 2013), SFBRWQCB, California EPA,*

<http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.

a= Discrete peaks in Diesel reange, atypical for Diesel fuel

-- = Not calculated

\*\* = David Diamond, David Baskin, Dennis Brown, Loren Lund, Julie Najita, and Iraj Javandel, (June 2002, revised April 2009), *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkely National Labortory*

All reported concentrations were compared to the San Francisco Bay Regional Water Quality Control Board's Environmental Screening Levels (SFBRWQCB's ESLs). The SFBRWQCB ESLs provide conservative screening levels for over 100 chemicals commonly found at sites with contaminated soil and groundwater and are used for the identification and evaluation of potential environmental concerns at contaminated sites addressing a range of media. All detected concentrations for the metals and TPH compounds were well below the commercial SFBRWQCB ESLs.

No other analytes were detected for all the analyzed samples.

All the detected metals concentrations are most likely representative of naturally occurring metals in soil based on comparing the data to the soil data collected at the Lawrence Berkeley National Laboratory (Berkeley/Oakland Hills of Alameda County), (David Diamond, David Baskin, Dennis Brown, Loren Lund, Julie Najita, and Iraj Javandel, (June 2002, revised April 2009), *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*).

Pending Client and local oversight agency approval, the excavated materials will be used as backfill material, and Trinity also recommends no further action regarding the concrete.

If you have any questions or concerns please contact Trinity at [831.426.5600](tel:831.426.5600).

Thanks,

***Eric Choi***

*Project Scientist*



*119 Encinal Street  
Santa Cruz, CA 95060*

*Tel: [\(831\) 426-5600](tel:831.426.5600)  
Fax: [\(831\) 426-5602](tel:831.426.5602)*

The materials transmitted by this electronic mail are confidential, are only for the use of the intended recipient, and may also be subject to applicable privileges. Any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify the sender. Please also remove this message from your hard drive, diskette, and any other storage device.

Click [here](#) to report this email as spam.