Alameda County Environmental Health Meeting Sign-In Sheet

Chevron #9-8861 (Independent) 2145 35th Ave, Oakland, CA

Wednesday, March 08, 2017 1:00 PM

NAME COMPANY		MAILING ADDRESS	PHONE	Signature	E-MAIL			
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Photo 1 – Gas furnace and water heating in the basement in the back



Photo 2 – Possible access to the crawl space from the basement



Photo 3 – Another possible access to the crawl space



Photo 4- Downstairs in the back and door to the utility room (gas furnace and heaters)



CASE NARRATIVE

Laboratory number:

285424

Client:

Eagle Env. Construction

Project: Location: SALISBURY PROJECT

Request Date:

Salisbury Project 01/25/17

Samples Received:

01/25/17

This data package contains sample and QC results for twenty eight soil samples, requested for the above referenced project on 01/25/17. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

High recovery was observed for gasoline C7-C12 in the MSD of BC1-24' (lab # 285424-004); the LCS was within limits, and the associated RPD was within limits. High surrogate recovery was observed for bromofluorobenzene (FID) in BC5-10.5' (lab # 285424-023), due to interference from coeluting hydrocarbon peaks. None of the gasoline range organics chromatographic patterns resemble the stoddard solvent pattern, No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

The TPH-Extractble chromatograms do not resemble diesel fuel. The reported results for the BC1 and BC4 samples are due to the gasoline present and the BC2 and BC3 results are due to the oil range hydrocarbons. The BC5 and BC6 samples contain oil or gas or both. No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

High responses were observed for isopropyl ether (DIPE) and tert-butyl alcohol (TBA) in the CCV analyzed 01/31/17 11:38; affected data was qualified with "b". High recoveries were observed for isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-butyl alcohol (TBA) in the BS/BSD for batch 243950; the associated RPDs were within limits, and these high recoveries were not associated with any reported results. High recoveries were observed for isopropyl ether (DIPE) and ethyl tert-butyl ether (ETBE) in the MS/MSD for batch 243950; the parent sample was not a project sample, the associated RPDs were within limits, and these high recoveries were not associated with any reported results. Low recovery was observed for chlorobenzene in the MSD for batch 244042; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. BC1-10.5' (lab # 285424-003), BC4-16' (lab # 285424-018), and BC5-10.5' (lab # 285424-023) were diluted due to high hydrocarbons. BC4-10.5' (lab # 285424-017), BC6-10.5' (lab # 285424-028), and BC7-12' (lab # 285424-033) were diluted due to high non-target analytes. No other analytical problems were encountered.

TABLE 2

SUMMARY OF CHEMICAL ANALYSES FOR TPH-G, TPH-ss, TEPH, BTEX, AND NAPHTHALENE GROUNDWATER SAMPLES COLLECTED FROM BOREHOLES DRILLED on 01/25/2017

2145 35th Avenue

Oakland, California

Sample ID	Description	Date Sampled	TPH ⁽¹⁾ as Gasoline	TEPH ⁽³⁾ as Diesel	TPH as Stoddard Solvent	TEPH as Motor Oil	Benzene	Toluene	Ethyl benzene	Total Xylenes	Naphthalene
			(μg/L) ⁽²⁾	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)
BC6-W	Grab Groundwater Sample from boring BC6	01/25/2017	11,000	920 Y ⁽⁴⁾	6,400 Y	1,200	300	61	370	518	53
BC7-W	Grab Groundwater Sample from boring BC7	01/25/2017	27,000	1,600 Y	17,000 Y	450	100	120	1000	356	360
Groundwater Vapor Intrusion Human Health Risk Levels Table GW-3, shallow groundwater, residential use scenario (5)			_(6)		_	_	1.1	3,600	13	1,300	20
Tier 1 ESLs ⁽⁷⁾			100	100	100	50,000	1.0	40	13	20	0.17
Low Threat UST Case Closure Policy for Shallow Soil at least 5 feet below the foundation of the building (7.5 feet below ground surface at this site) Combined TPH-G and TPH-D <100 mg/kg ⁽⁸⁾			-	-	60%	_	100	Service		unten	_

The water samples presented in this table (BC6-W and BC7-W) may not be representative of the shallow groundwater at this site due to murky condition (high content of silt and mud). The results reported could be partially attributed to the soil content and not to the groundwater content. Better groundwater results are obtained from a groundwater monitoring well.

TPH (1) = Total volatile petroleum hydrocarbons by EPA Method 8015B

 $\mu g/L^{(2)} = Microgram per liter$

TEPH (3) = Total extractable petroleum hydrocarbons by EPA Method 8015B

(Y) (4) = Sample exhibits chromatographic pattern which does not resemble standard

Groundwater Vapor Intrusion Human Health Risk Levels Table GW-3, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Prepared by: California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612, Interim Final - Feb. 2016 (Rev. 3).

-- (6) = Not applicable or listed for the specific compound

(7) = Tier 1 ESLs, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Prepared by: California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612, Interim Final - Feb. 2016 (Rev. 3).

(8) = Low-Threat Underground Storage Tank Case Closure Policy, the California State Water Resources Control Board, Appendix 3, Scenario 3, Page 12

Bold = Concentrations presented in bold where such a value is at or exceeds one of the environmental screening levels (ESLs).