

ENVIRONMENTAL CONSULTING
AND MANAGEMENT

ROUX ASSOCIATES

1855 GATEWAY BOULEVARD
SUITE 770
CONCORD, CALIFORNIA 94530

FAX TRANSMITTAL

Date: 1-3-92

To: SUSAN HUSE

Company: ALAMEDA COUNTY HEALTH AGENCY

FAX No: 568-3706

From: Paul Supple

Project No.: A134W01
Roux Associates, Inc.

Fax No: 510-887-1258

Phone No: 510-602-2333

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Comments:
AND
collected
DATA
IMAGES

TABLE 1: Summary of Soil Analyses: Tank Cavity
 ARCO Facility No. 4931, Oakland, California

Sample Designation	Date	Depth (feet bgs)	BTEX Distinction(1)						
			TPH-G(1)	TPH-D(1)	O&G(1)	Benzene	Toluene	Ethyl Benzene	Xylenes
SW1	11/22/91	12	15	NA	NA	0.74	0.03	0.14	23
SW2	11/22/91	14	16	NA	NA	0.56	0.3	0.39	2.0
SW3	11/22/91	12	5.2	NA	NA	0.088	0.094	0.12	0.84
SW4	11/22/91	12	2.3	NA	NA	0.15	0.18	0.061	0.31
SW5	11/22/91	14	ND	NA	NA	ND	ND	ND	ND
SW6	11/22/91	12	5.3	NA	NA	1.0	0.26	0.16	0.39
SW7	11/22/91	12	130	NA	NA	0.66	0.22	1.1	10
SW8	11/22/91	14	14	NA	NA	0.013	0.037	0.0088	0.01
SW9	11/22/91	12	28	NA	NA	0.61	0.13	0.14	0.8
SW10	11/22/91	12	8.6	5.8	1000	0.24	0.24	0.068	0.23
SW11	11/22/91	12	57	15	130	0.36	0.13	0.38	1.3
SW12	11/22/91	12	430	69	100	24	21	56	290
SW13	11/22/91	12	ND	6.2	ND	0.015	ND	ND	0.026
T1A	11/22/91	12	1.3	1.2	15	0.017	0.009	ND	0.015
T1B	11/22/91	12	4.7	14	ND	0.06	0.098	0.01	0.073
ST-A	11/22/91	14	29	NA	NA	0.44	0.041	0.041	0.16
ST-B	11/22/91	15	ND	NA	NA	ND	ND	ND	ND

FOOTNOTES

(1) = Concentrations reported in mg/kg (ppm)

TPH-G = Total Petroleum Hydrocarbons As Gasoline (Modified USEPA Method 8015)

TPH-D = Total Petroleum Hydrocarbons As Diesel (Modified USEPA Method 8015)

O&G = Oil and Grease (ASTM Method 5520 E & F)

BTEX Distinction (USEPA Method 8020)

NA = Not Analyzed

ND = Not Detected

bgs = Below ground surface

TABLE 1: Summary of Soil Analyses: Tank Cavity
 ARCO Facility No. 4931, Oakland, California

Sample Designation	Date	Depth (feet bgs)	VOCs(1)	Metals (1)				
				Cadmium	Chromium	Lead	Nickel	Zinc
SW1	11/22/91	12	NA	NA	NA	11	NA	NA
SW2	11/22/91	14	NA	NA	NA	11	NA	NA
SW3	11/22/91	12	NA	NA	NA	NA	NA	NA
SW4	11/22/91	12	NA	NA	NA	NA	NA	NA
SW5	11/22/91	14	NA	NA	NA	NA	NA	NA
SW6	11/22/91	12	NA	NA	NA	NA	NA	NA
SW7	11/22/91	12	NA	NA	NA	12	NA	NA
SW8	11/22/91	14	NA	NA	NA	NA	NA	NA
SW9	11/22/91	12	NA	NA	NA	11	NA	NA
SW10	11/22/91	12	ND*	0.61	44	ND	58	59
SW11	11/22/91	12	ND*	ND	42	57	52	68
SW12	11/22/91	12	(2)	0.51	41	57	48	61
SW13	11/22/91	12	ND*	0.51	44	62	63	60
→ SW14	12/20/91	12	NA	NA	NA	NA	NA	NA
T1A	11/22/91	12	ND*	0.62	49	66	61	60
T1B	11/22/91	12	ND*	0.54	46	62	56	63
ST-A	11/22/91	14	NA	NA	NA	NA	NA	NA
ST-B	11/22/91	15	NA	NA	NA	NA	NA	NA

FOOTNOTES

(1) = Concentrations reported in mg/kg (ppm)

VOCs = Volatile Organics (USEPA 8240)

Metals (atomic absorption or ICP)

NA = Not Analyzed

ND = Not Detected

ND* = All compounds not detected except BTEX, which is reported on page 1 of this table

(2) = All compounds ND except BTEX, which is reported on page 1 of this table, and acetone, 580 mg/kg

bgs = Below ground surface

