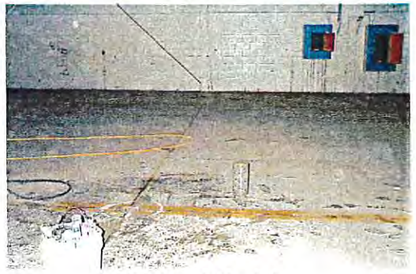
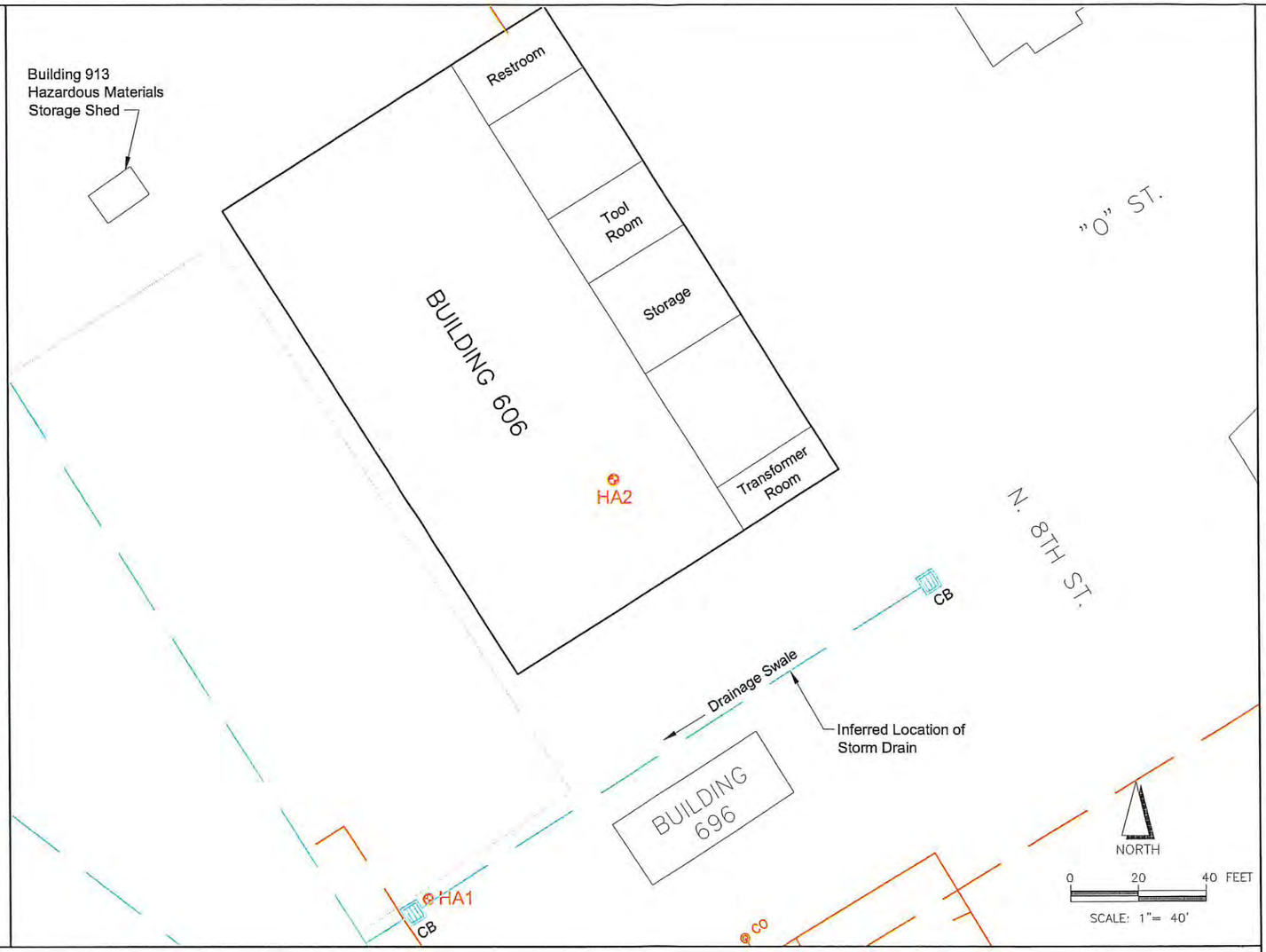
Building Exterior
(Facing Southeast)

Soil Sample Borehole HA1
Adjacent to Storm
Drain(Facing West)



Soil Sample Borehole
HA2 in Hanger
(Facing Southwest)



LEGEND:

- Edge of Road
- HA3 — Hand Auger Soil Sample Location
- Sewer Line
- CO — Sewer Line Clean Out
- Storm Drain
- CB — Storm Drain Catch Basin

Background:
The building was constructed in 1956 and was identified as a maintenance hanger in 1973. Six locations of concern (LOCs) are associated with this site. APHO 54 is a photographic anomaly and most likely consists of a trench. No further action (NFA) was recommended; the California Regional Water Quality Control Board (RWQCB), Santa Ana Region, concurred. PCB T082 was a transformer that was replaced; NFA was recommended. RFA14 (SWMU/AOC 14) and RFA 152 (SWMU/AOC 152) were recommended for NFA; the BCT concurred through acceptance of the 1995 Environmental Baseline Survey (EBS). TAA 606 (SWMU/AOC 255) is inactive; NFA was recommended. UST 606A was removed; the site was closed by RWQCB.

Sampling and Analysis Summary:
Potential pathways of soil contamination are releases of material into a drainage ditch to the south of the building and expansion joints in the floor of the hanger. Soil samples were collected at HA1 between 0.5'-1.5' bgs and HA2 between 1.0'-2.0' bgs.

Analytical Results:
One analyte exceeded its residential preliminary remediation goal (PRG). Arsenic (11.1 mg/kg) was detected in soil sample HA2. TPH as motor oils and as extractables were detected at maximum concentrations of 18 mg/kg and 7 mg/kg (estimated values), respectively, at HA1.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9 PRGs to calculate the cumulative risk ratio. The results indicated a cancer risk ratio of 30 and a noncancer risk ratio of 1.83. Both the accepted threshold of 1, (see table for summary). The primary contributor to the cancer risk was arsenc. The contributors to the noncancer risk were iron, arsenic, aluminum, and manganese. The maximum detected concentrations for each of these metals are of the same order of magnitude as the background concentrations. Based on this and the historical activities associated with the site, it is very likely the evidenced metals concentrations are indicative of background conditions.

Conclusion:
Further evaluation is required in accordance with EPA and DTSC comments per letters dated April 11, 2003.

Source:
Aerial Survey, OHM/SWDIV, 1997
Borehole Location Survey, Cal Vada, 2003

Building interior and exterior locations and details are approximate.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Metals								
Aluminum	mg/kg	14800	--	7.6E+04	17100	HA1@0.5'-1.5'	--	0.22
Arsenic	mg/kg	6.86	3.9E-01	2.2E+01	11.1	HA2@1.0'-2.0'	28.46	0.51
Cobalt	mg/kg	6.98	9.0E+02	1.4E+03	9.0	HA1@0.5'-1.5'	<0.01	<0.01
Copper	mg/kg	6.41	--	3.1E+03	8.5	HA1@0.5'-1.5'	--	<0.01
Iron	mg/kg	18400	--	2.4E+04	21500	HA1@0.5'-1.5'	--	0.91
Magnesium	mg/kg	8370	--	--	**8960**	HA1@0.5'-1.5'	--	--
Manganese	mg/kg	291	--	1.8E+03	289	HA1@0.5'-1.5'	--	0.16
				Cumulative Risk Ratio:			28.47	1.83

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above MCAS El Toro Background value or PRG value, whichever is higher.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 606

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure 16
Project No. 54506	EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	

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Table 16. Analytical Results, PRL-606

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL606-HA1 0.5'-1.5' bgs LJ115	PRL606-HA2 1.0'-2.0' bgs LJ116
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	4.9 U	5 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	4.9 U	5 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	4.9 U	5 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	4.9 U	5 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	4.9 UJ	5 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	4.9 U	5 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	4.9 U	5 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	4.9 U	5 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	4.9 U	5 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	4.9 UJ	5 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	99 U	100 U
2-Hexanone	µg/kg	--	--	--	--	49 UJ	50 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	49 UJ	50 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	99 U	100 U
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	4.9 U	5 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	4.9 U	5 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	4.9 U	5 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	4.9 U	5 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	4.9 U	5 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	4.9 UJ	5 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	4.9 U	5 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	4.9 U	5 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	4.9 U	5 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	4.9 U	5 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	4.9 U	5 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	4.9 U	5 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	4.9 U	5 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	4.9 UJ	5 UJ
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	4.9 U	5 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	4.9 U	5 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	4.9 U	5 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	4.9 U	5 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	4.9 U	5 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	4.9 U	5 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	20 UJ	20 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	4.9 U	5 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	4.9 U	5 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	15 U	15 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	4.9 UJ	5 UJ
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	4.9 U	5 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	4.9 U	5 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	4.9 U	5 U
Semivolatile Organic Compounds (SVOCs)							
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	590 U	570 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	590 U	570 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	590 U	570 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	590 U	570 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	590 U	570 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	590 U	570 U
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	590 U	570 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	590 U	570 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	590 U	570 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	3000 U	2800 U

Table 16. Analytical Results, PRL-606

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL606-HA1 0.5'-1.5' bgs LJ115	PRL606-HA2 1.0'-2.0' bgs LJ116
SVOCs, Continued							
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	590 U	570 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	590 U	570 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	590 U	570 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	590 U	570 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	590 U	570 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	3000 U	2800 U
2-Nitrophenol	µg/kg	--	--	--	--	590 U	570 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1200 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	590 U	570 U
3-Nitroaniline	µg/kg	--	--	--	--	3000 U	2800 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	3000 U	2800 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	590 UJ	570 UJ
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	590 U	570 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1200 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	590 U	570 U
4-Nitroaniline	µg/kg	--	--	--	--	3000 U	2800 U
4-Nitrophenol	µg/kg	--	--	--	--	3000 UJ	2800 UJ
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	590 U	570 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	590 U	570 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	590 U	570 U
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	590 U	570 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	590 U	570 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	590 U	570 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	590 U	570 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	590 U	570 U
Di-n-butylphthalate	µg/kg	--	--	--	--	590 U	570 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	590 U	570 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	590 U	570 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	590 U	570 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	3000 U	2800 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	590 U	570 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	590 U	570 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	590 U	570 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	590 UJ	570 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	3000 U	2800 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	2000 U	1900 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	590 U	570 U
Hydrocarbons							
Motor Oils	mg/kg	--	--	--	--	18	3 J
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	7 J	6 J
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.7 U	10 U
Metals							
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	17100	9500
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	14 U	14 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	6.9	11.1
Barium	mg/kg	173	5.4E+03	--	5.4E+03	143	149
Beryllium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.15 UJ	0.9 UJ
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.6	0.5
Calcium	mg/kg	46000	--	--	--	9090	6700
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	15.1	23.2
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	9	7.8
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	8.5	7.1
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	21500 J	13500 J
Lead	mg/kg	15.1	1.5E+02	--	--	5.5	3.4
Magnesium	mg/kg	8370	--	--	--	8960 J	5270 J

Table 16. Analytical Results, PRL-606

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL606-HA1 0.5'-1.5' bgs LJ115	PRL606-HA2 1.0'-2.0' bgs LJ116
Metals, Continued							
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	289 J	224 J
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.017	0.02
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	9	12.7
Potassium	mg/kg	4890	--	--	--	4830 J	3000 J
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	0.87 UJ	1.4 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.4 U	2.3 U
Sodium	mg/kg	405	--	--	--	470 U	450 U
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.9 UJ	1.8 UJ
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	44.7	30.5
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	66.3	42.2
pH							
pH	pH Units	--	--	--	--	9.07	9.26

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

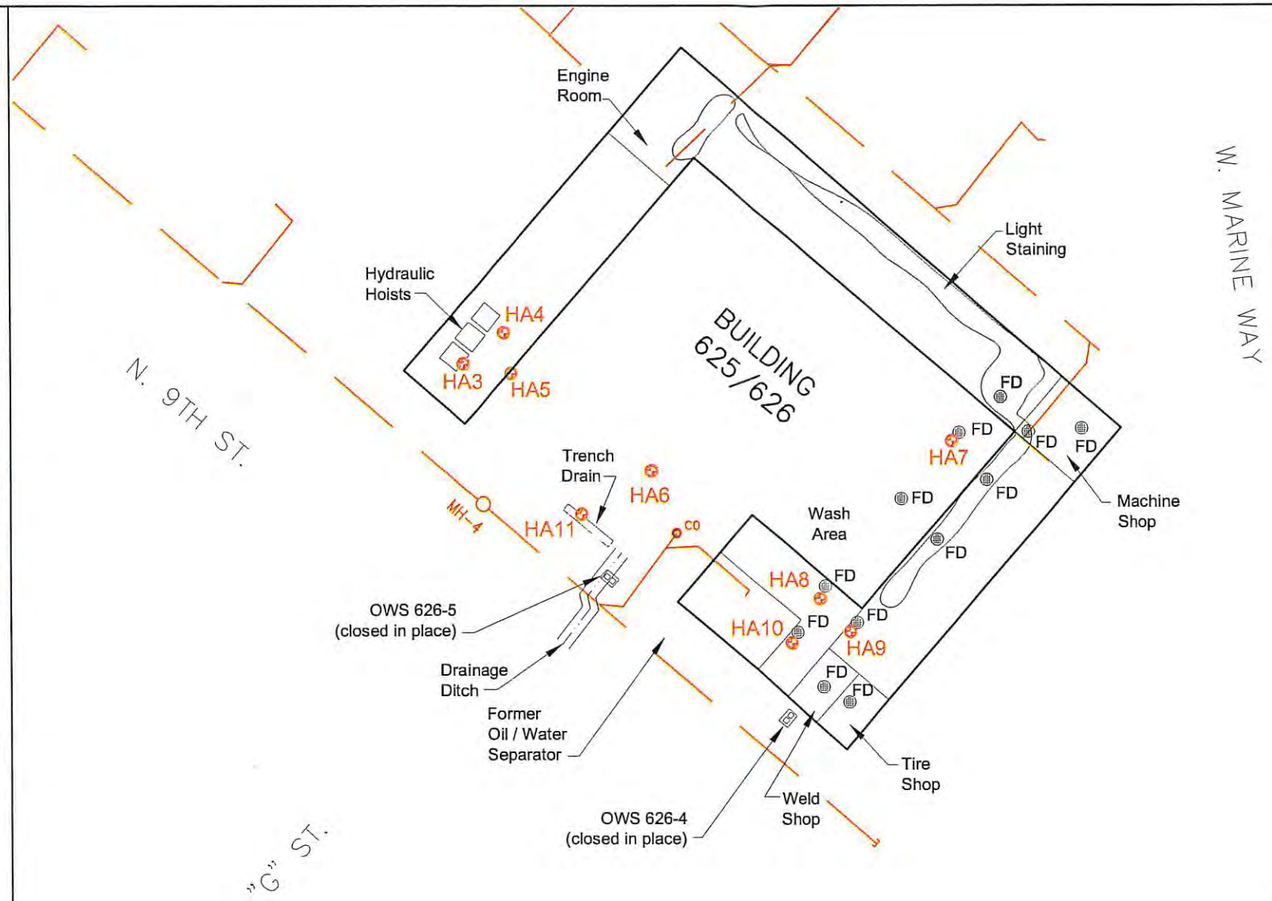
J = The concentration is an estimate

PRL 626

Front of Building 626 (Facing Southeast)

Trench Drain & Drainage Ditch at Entrance to Facility with Integrated Oil / Water Separator (Facing Southwest)

Interior of Facility Showing Cracks in Concrete and Hydraulic Hoist in the Background (Facing Northwest)



LEGEND:

- Edge of Road
- FD — Floor Drain
- HA3 — Hand Auger Soil Sample Location
- Sewer Line
- CO — Sewer Line Clean Out
- MH — Sewer Line Manhole
- Staining

Background:
The location consists of two buildings; 625 and 626. The buildings were identified as part of the automotive hobby shop in 1973. The site is associated with Installation Restoration Program (IRP) Site 20. Seven locations of concern (LOCs) are associated with the site. RFA 157 (SWMU/AOC 157) was recommended for no further action (NFA); the California Regional water Quality Control Board (RWQCB), Santa Ana Region concurred. TAA 626 (SWMU/AOC 158) was recommended for NFA; DTSC concurred. OWS626-1, OWS626-2, and OWS626-3 were removed. All three were recommended for NFA; RWQCB concurred. OWS 626-4 and OWA 626-5 were closed in place. Both were recommended for NFA; RWQCB concurred.

Sampling and Analysis Summary:
Potential contamination associated with service bays and hydraulic lifts associated with the shops was investigated. Nine soil samples were collected from nine locations (HA3 and HA4 at a depth of 2.5' below ground surface [bgs], HA5, HA7-10 at a depth of 1.5' bgs, and HA6 and HA11 at a depth of 1.0' bgs). Soil samples from locations HA3 and HA4 were analyzed for VOCs, SVOCs, PAHs, PCBs, TPH, and metals. Soil samples from locations HA5-HA11 were analyzed for VOCs, SVOCs, TPH, and metals.

Analytical Results:
No analyte exceeded its respective residential preliminary remediation goal (PRG). TPH as motor oils and extractables were detected at maximum concentrations of 8 mg/kg and 2 mg/kg, respectively, at HA8.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9
PRGs to calculate the cumulative risk ratio. The results indicated no significant cancer risk (see table for summary). The noncancer risk ratio was calculated to be 1.28, exceeding the accepted threshold of 1. The primary drivers were iron, aluminum, and manganese. The detected concentrations are of the same order of magnitude as background concentrations. Based on this it is very likely that they are indicative of background conditions.

Conclusion:
No further action was recommended and concurred with by DTSC in a letter dated April 11, 2003, and EPA in a letter dated April 24, 2003

Source:
Aerial Survey, OHM/SWDIV, 1997
Borehole Location Survey, Cal Vada, 2003

Building interior and exterior locations and details are approximate.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Volatile Organic Compounds (VOCs)								
Methylene Chloride	µg/kg	--	9.1E+03	2.0E+06	3	HA7@1.5'	<0.01	<0.01
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	3.6E+05	7	HA4@2.5'	<0.01	<0.01
Metals								
Aluminum	mg/kg	14800	--	7.6E+04	16500	HA3@2.5'	--	0.22
Cobalt	mg/kg	6.98	9.0E+02	1.4E+03	11.6	HA3@2.5'	0.01	<0.01
Copper	mg/kg	6.41	--	3.1E+03	14.6	HA3@2.5'	--	<0.01
Iron	mg/kg	18400	--	2.4E+04	20600	HA3@2.5'	--	0.88
Manganese	mg/kg	291	--	1.8E+03	298	HA3@2.5'	--	0.17
Zinc	mg/kg	77.9	--	2.4E+04	81.9	HA3@2.5'	--	<0.01
				Cumulative Risk Ratio:			0.02	1.28

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above MCAS El Toro Background value or PRG value, whichever is higher.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 626

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	17

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Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA6 1.0' bgs LJ188	PRL626-HA11 1.0' bgs LJ189	PRL626-HA4 2.5' bgs LJ192	PRL626-HA3 2.5' bgs LJ193	PRL626-HA5 1.5' bgs LJ194	PRL626-HA5 (dup) 1.5' bgs LJ195	PRL626-HA10 1.5' bgs LJ196
Volatile Organic Compounds (VOCs)												
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	5.4 UJ	4.9 UJ	4.6 UJ	5 UJ	4.9 UJ	4.8 UJ	5.2 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	5.4 UJ	4.9 UJ	4.6 UJ	5 UJ	4.9 UJ	4.8 UJ	5.2 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	110 UJ	97 UJ	93 UJ	100 UJ	97 UJ	96 UJ	100 UJ
2-Hexanone	µg/kg	--	--	--	--	54 U	49 U	46 U	50 U	49 U	48 U	52 U
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	54 U	49 U	46 U	50 U	49 U	48 U	52 U
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	110 UJ	97 UJ	93 UJ	100 UJ	97 UJ	96 UJ	100 UJ
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 UJ
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	5.4 UJ	4.9 UJ	4.6 UJ	5 UJ	4.9 UJ	4.8 UJ	5.2 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	5.4 U	4.9 U	0.7 J	1 J	4.9 U	4.8 U	5.2 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	21 UJ	19 UJ	19 UJ	20 UJ	19 UJ	19 UJ	21 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	5.4 U	4.9 U	7	6	4.9 U	4.8 U	5.2 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	16 U	15 U	14 U	15 U	15 U	14 U	15 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	5.4 U	4.9 U	4.6 U	5 U	4.9 U	4.8 U	5.2 U
Semivolatile Organic Compounds (SVOCs)												
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2900 U	2900 U	2800 U	2900 U	2900 UJ	2700 UJ	2700 UJ

Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA6 1.0' bgs LJ188	PRL626-HA11 1.0' bgs LJ189	PRL626-HA4 2.5' bgs LJ192	PRL626-HA3 2.5' bgs LJ193	PRL626-HA5 1.5' bgs LJ194	PRL626-HA5 (dup) 1.5' bgs LJ195	PRL626-HA10 1.5' bgs LJ196
SVOCs, Continued												
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
2-Nitrophenol	µg/kg	--	--	--	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1200 U	1200 U	1100 U	1200 U	1100 U	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
3-Nitroaniline	µg/kg	--	--	--	--	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	590 UJ	590 UJ	570 UJ	580 UJ	570 UJ	530 UJ	540 UJ
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1200 U	1200 U	1100 U	1200 U	1100 U	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
4-Nitroaniline	µg/kg	--	--	--	--	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
4-Nitrophenol	µg/kg	--	--	--	--	2900 UJ	2900 UJ	2800 UJ	2900 UJ	2900 UJ	2700 UJ	2700 UJ
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Di-n-butylphthalate	µg/kg	--	--	--	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	590 U	590 U	570 U	580 U	570 U	530 U	540 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	590 U	590 U	570 U	580 U	570 U	530 U	540 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2900 U	2900 U	2800 U	2900 U	2900 U	2700 U	2700 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	2000 U	2000 U	1900 U	2000 U	1900 U	1800 U	1800 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	590 U	590 U	570 U	580 U	570 U	530 U	540 U
Polynuclear Aromatic Hydrocarbons (PAHs)												
2-Methylnaphthalene	µg/kg	--	--	--	--	NA	NA	28 U	29 U	NA	NA	NA
Acenaphthene	µg/kg	--	3.7E+06	--	3.7E+06	NA	NA	28 U	29 U	NA	NA	NA
Acenaphthylene	µg/kg	--	--	--	--	NA	NA	28 U	29 U	NA	NA	NA
Anthracene	µg/kg	--	2.2E+07	--	2.2E+07	NA	NA	28 U	29 U	NA	NA	NA
Benzo(a)anthracene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 UJ	29 UJ	NA	NA	NA
Benzo(a)pyrene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	28 U	29 U	NA	NA	NA
Benzo(b)fluoranthene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 U	29 U	NA	NA	NA
Benzo(g,h,i)perylene	µg/kg	--	--	--	--	NA	NA	28 U	29 U	NA	NA	NA
Benzo(k)fluoranthene	µg/kg	--	3.8E+02	3.8E+02	--	NA	NA	28 UJ	29 UJ	NA	NA	NA
Chrysene	µg/kg	--	3.8E+03	3.8E+03	--	NA	NA	28 UJ	29 UJ	NA	NA	NA
Dibenz(a,h)anthracene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	28 U	29 U	NA	NA	NA
Fluoranthene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	28 U	29 U	NA	NA	NA
Fluorene	µg/kg	--	2.8E+06	--	2.8E+06	NA	NA	28 U	29 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 U	29 U	NA	NA	NA
Naphthalene	µg/kg	--	5.6E+04	--	5.6E+04	NA	NA	28 U	29 U	NA	NA	NA
Phenanthrene	µg/kg	--	--	--	--	NA	NA	28 UJ	29 UJ	NA	NA	NA
Pyrene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	28 U	29 U	NA	NA	NA

Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA6 1.0' bgs LJ188	PRL626-HA11 1.0' bgs LJ189	PRL626-HA4 2.5' bgs LJ192	PRL626-HA3 2.5' bgs LJ193	PRL626-HA5 1.5' bgs LJ194	PRL626-HA5 (dup) 1.5' bgs LJ195	PRL626-HA10 1.5' bgs LJ196
Polychlorinated Biphenyls (PCBs)												
Aroclor 1016	µg/kg	--	3.9E+03	6.3E+03	3.9E+03	NA	NA	37 U	38 U	NA	NA	NA
Aroclor 1221	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	75 U	76 U	NA	NA	NA
Aroclor 1232	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	38 U	NA	NA	NA
Aroclor 1242	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	38 U	NA	NA	NA
Aroclor 1248	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	38 U	NA	NA	NA
Aroclor 1254	µg/kg	--	2.2E+02	2.2E+02	1.1E+03	NA	NA	37 U	38 U	NA	NA	NA
Aroclor 1260	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	38 U	NA	NA	NA
Hydrocarbons												
Motor Oils	mg/kg	--	--	--	--	12 U	12 U	4 J	5 J	5 J	5 J	5 J
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	12 U	12 U	2 J	3 J	2 J	3 J	2 J
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	11 U	0.02 J	9.6 U	10 U	9.7 U	8.9 U	11 U
Metals												
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	11900	11900	12300	16500	14100	4500	8880
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	14 U	14 U	14 U	14 U	14 U	13 U	13 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	4.4 UJ	5.4 UJ	4.7 UJ	4.6 UJ	5.1 UJ	2.3 UJ	4.3 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	157	143	124	143	147	62.6	123
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.94 U	0.94 U	0.91 U	0.93 U	0.92 U	0.86 U	0.86 U
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	1	1.3	1.3	1.3	1.3	0.67	1.1
Calcium	mg/kg	46000	--	--	--	12100	10300	11200	10300	9120	9630	10500
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	13.6	14.8	14.3	23.7	15.9	6.9	11.4
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	6	6.9	6.2	11.6	6.4	2.5	5
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	6.8	8.3	11.8	14.6	8.3	2.6	6.3
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	15000	16600	15700	20600	16200	6200	12800
Lead	mg/kg	15.1	1.5E+02	--	--	2.9	3.6	3.3	39.8	2.7	1.1 J	2.3
Magnesium	mg/kg	8370	--	--	--	6110	6400	6280	7950	6510	2360	4750
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	243	283	240	298	246	125	209
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.032	0.02	0.024	0.042	0.021	0.018	0.032
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	9.2	11.4	10.9	14.3	11.7	4.6	8.9
Potassium	mg/kg	4890	--	--	--	3170	3620	3250	4320	3270	1050	2490
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.4 U	1.4 U	1.4 U	1.4 U	0.65 UJ	1.3 U	1.3 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.4 U	2.3 U	2.3 U	2.3 U	2.3 U	2.1 U	2.1 U
Sodium	mg/kg	405	--	--	--	31.6 UJ	470 U	94.7 UJ	448 UJ	496 UJ	79.2 UJ	199 UJ
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.7 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	42.7	44.5	44.4	54.9	49.5	18.5	34
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	42.4	50.9	45.9	81.9	47.8	19	37
pH												
pH	pH Units	--	--	--	--	9.25	8.55	8.19	8.32	8.86	9.26	8.46

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA8 1.5' bgs LJ197	PRL626-HA9 1.5' bgs LJ198	PRL626-HA7 1.5' bgs LJ199
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	4.9 U	5.1 U	4.9 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	4.9 U	5.1 U	4.9 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	4.9 U	5.1 U	4.9 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	4.9 U	5.1 U	4.9 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	4.9 UJ	5.1 UJ	4.9 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	4.9 U	5.1 U	4.9 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	4.9 U	5.1 U	4.9 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	4.9 U	5.1 U	4.9 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	4.9 U	5.1 U	4.9 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	4.9 UJ	5.1 UJ	4.9 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	97 UJ	100 UJ	97 UJ
2-Hexanone	µg/kg	--	--	--	--	49 U	51 U	49 U
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	49 U	51 U	49 U
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	97 UJ	100 UJ	97 UJ
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	4.9 U	5.1 U	4.9 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	4.9 U	5.1 U	4.9 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	4.9 U	5.1 U	4.9 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	4.9 U	5.1 U	4.9 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	4.9 UJ	5.1 UJ	4.9 UJ
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	4.9 UJ	5.1 UJ	4.9 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	4.9 U	5.1 U	4.9 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	4.9 U	5.1 U	4.9 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	4.9 U	5.1 U	4.9 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	4.9 U	5.1 U	4.9 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	4.9 U	5.1 U	4.9 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5.1 U	4.9 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	4.9 U	5.1 U	4.9 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	4.9 U	5.1 U	4.9 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	4.9 U	5.1 U	4.9 U
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	4.9 U	5.1 U	4.9 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	4.9 U	5.1 U	4.9 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	4.9 U	1 J	3 J
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	4.9 U	5.1 U	4.9 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	4.9 U	5.1 U	4.9 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	4.9 U	5.1 U	4.9 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	19 UJ	20 UJ	19 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	4.9 U	5.1 U	4.9 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	4.9 U	5.1 U	4.9 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	15 U	15 U	15 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	4.9 U	5.1 U	4.9 U
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5.1 U	4.9 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	4.9 U	5.1 U	4.9 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	4.9 U	5.1 U	4.9 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	4.9 U	5.1 U	4.9 U
Semivolatile Organic Compounds (SVOCs)								
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	550 U	550 U	530 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	550 U	550 U	530 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	550 U	550 U	530 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	550 U	550 U	530 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	550 U	550 U	530 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	550 U	550 U	530 U
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	550 U	550 U	530 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	550 U	550 U	530 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	550 U	550 U	530 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2700 UJ	2700 U	2600 UJ

Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA8 1.5' bgs LJ197	PRL626-HA9 1.5' bgs LJ198	PRL626-HA7 1.5' bgs LJ199
SVOCs, Continued								
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	550 U	550 U	530 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	550 U	550 U	530 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	550 U	550 U	530 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	550 U	550 U	530 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	550 U	550 U	530 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2700 U	2700 U	2600 U
2-Nitrophenol	µg/kg	--	--	--	--	550 U	550 U	530 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	550 U	550 U	530 U
3-Nitroaniline	µg/kg	--	--	--	--	2700 U	2700 U	2600 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2700 U	2700 U	2600 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	550 UJ	550 UJ	530 UJ
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	550 U	550 U	530 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	550 U	550 U	530 U
4-Nitroaniline	µg/kg	--	--	--	--	2700 U	2700 U	2600 U
4-Nitrophenol	µg/kg	--	--	--	--	2700 UJ	2700 UJ	2600 UJ
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	550 U	550 U	530 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	550 U	550 U	530 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	550 U	550 U	530 U
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	550 U	550 U	530 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	550 U	550 U	530 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	550 U	550 U	530 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	550 U	550 U	530 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	550 U	550 U	530 U
Di-n-butylphthalate	µg/kg	--	--	--	--	550 U	550 U	530 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	550 U	550 U	530 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	550 U	550 U	530 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	550 U	550 U	530 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2700 U	2700 U	2600 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	550 U	550 U	530 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	550 U	550 U	530 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	550 U	550 U	530 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	550 U	550 U	530 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2700 U	2700 U	2600 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	1900 U	1800 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	550 U	550 U	530 U
Polynuclear Aromatic Hydrocarbons (PAHs)								
2-Methylnaphthalene	µg/kg	--	--	--	--	NA	NA	NA
Acenaphthene	µg/kg	--	3.7E+06	--	3.7E+06	NA	NA	NA
Acenaphthylene	µg/kg	--	--	--	--	NA	NA	NA
Anthracene	µg/kg	--	2.2E+07	--	2.2E+07	NA	NA	NA
Benzo(a)anthracene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	NA
Benzo(a)pyrene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	NA
Benzo(b)fluoranthene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	NA
Benzo(g,h,i)perylene	µg/kg	--	--	--	--	NA	NA	NA
Benzo(k)fluoranthene	µg/kg	--	3.8E+02	3.8E+02	--	NA	NA	NA
Chrysene	µg/kg	--	3.8E+03	3.8E+03	--	NA	NA	NA
Dibenz(a,h)anthracene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	NA
Fluoranthene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	NA
Fluorene	µg/kg	--	2.8E+06	--	2.8E+06	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	NA
Naphthalene	µg/kg	--	5.6E+04	--	5.6E+04	NA	NA	NA
Phenanthrene	µg/kg	--	--	--	--	NA	NA	NA
Pyrene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	NA

Table 17. Analytical Results, PRL-626

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL626-HA8 1.5' bgs LJ197	PRL626-HA9 1.5' bgs LJ198	PRL626-HA7 1.5' bgs LJ199
Polychlorinated Biphenyls (PCBs)								
Aroclor 1016	µg/kg	--	3.9E+03	6.3E+03	3.9E+03	NA	NA	NA
Aroclor 1221	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	NA
Aroclor 1232	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	NA
Aroclor 1242	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	NA
Aroclor 1248	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	NA
Aroclor 1254	µg/kg	--	2.2E+02	2.2E+02	1.1E+03	NA	NA	NA
Aroclor 1260	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	NA
Hydrocarbons								
Motor Oils	mg/kg	--	--	--	--	8 J	3 J	11 U
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	2 J	0.7 J	11 U
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.9 U	10 U	9.9 U
Metals								
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	6460	12700	1950
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	13 U	13 U	13 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	2.1 UJ	3.2 UJ	0.79 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	76	125	41
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.87 U	0.87 U	0.84 U
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.36 UJ	0.53	0.33 UJ
Calcium	mg/kg	46000	--	--	--	6670	8040	5100
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	6.4	12.7	2.8
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	3.1	6.1	1.4 UJ
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	3	6.2	1.6 UJ
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	7970	15300	3430
Lead	mg/kg	15.1	1.5E+02	--	--	2.3	2.4	0.75 J
Magnesium	mg/kg	8370	--	--	--	2660	5950	1360
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	118	250	92.4
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.028	0.016	0.024
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	4.5	8.1	2.4
Potassium	mg/kg	4890	--	--	--	1350	3150	570
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.3 U	1.3 U	0.45 UJ
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.2 U	2.2 U	0.093 UJ
Sodium	mg/kg	405	--	--	--	124 UJ	440 U	420 U
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.7 U	1.7 U	1.7 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	19.8	37.1	9.2
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	23.3	42.5	10.2
pH								
pH	pH Units	--	--	--	--	8.73	8.78	8.87

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

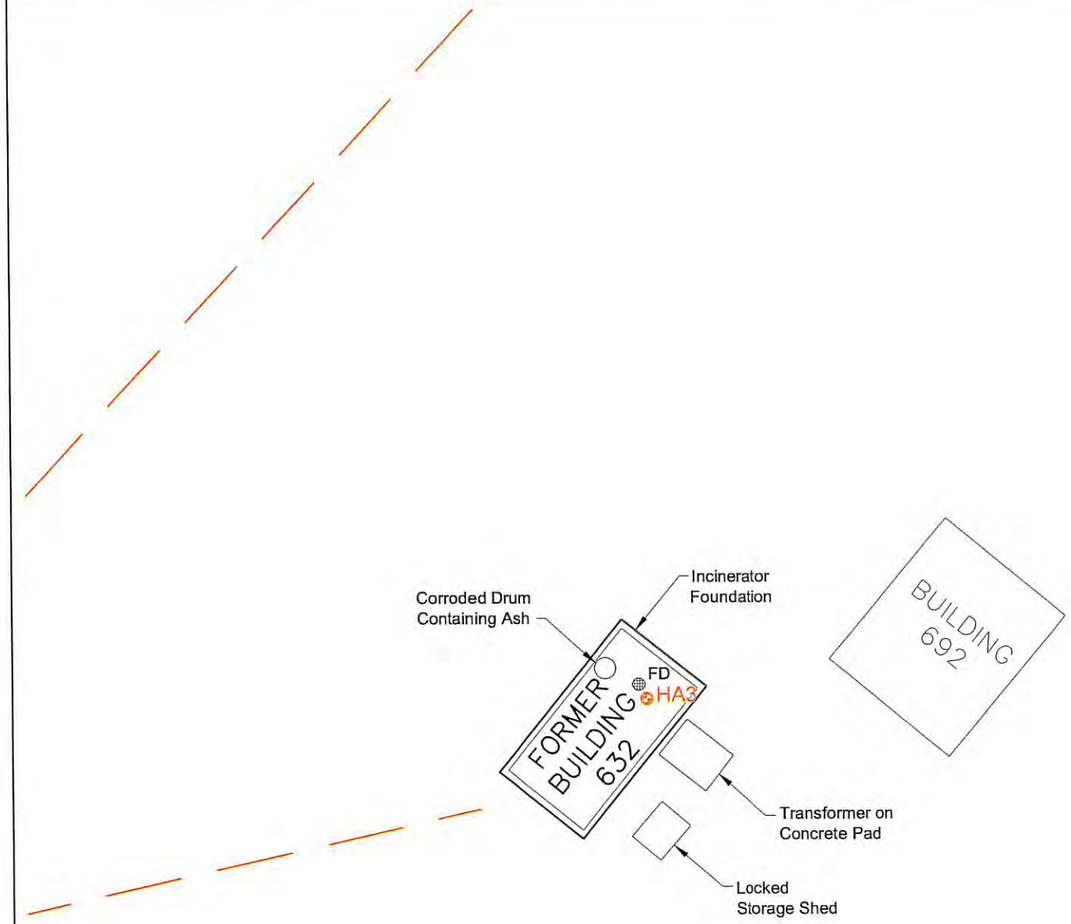
J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

PRL 632

Building 692 and Foundation of Building 632 to the Left, Behind Transformer & Storage Shed (Facing Northwest)

Foundation of Building 632 with Corroded Drum and Floor Drain in Foreground. Location of Soil Sample Borehole HA1 (Facing Southwest)



NORTH

0 5 10 FEET

SCALE: 1"= 10'

LEGEND:

- Edge of Road
- FD — Floor Drain
- HA3 — Hand Auger Soil Sample Location
- Sewer Line

Background:
The building was identified as a classified material incinerator in 1973.
No locations of concern (LOCs) are associated with this site.

Sampling and Analysis Summary:
Potential pathways of soil contamination are releases of materials into the drain located at the former incinerator. Two soil samples were collected from one location (HA1) at a depth range of 0-0.5' below ground surface. The samples were analyzed for TPH, VOCs, SVOCs, PAHs, PCBs, metals, and dioxins.

Analytical Results:
No analyte exceeded its respective PRG. TPH as motor oils and as extractables were detected at concentrations of 590 mg/kg and 82 mg/kg, (estimated) respectively.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9 PRGs to calculate the cumulative risk ratio. The results indicated no significant cancer or noncancer risk (see table for summary).

Conclusion:
No further action was recommended and concurred with by DTSC per letter dated April 11, 2003 and EPA per letters dated April 11 and April 24, 2003.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Polychlorinated Biphenyls							
Aroclor 1260	µg/kg	2.2E+02	--	6	HA1@0.5'	0.03	--
Dioxins							
Total 2,3,7,8-TCDD TEQ	pg/g	3.9E+00	--	3.17	HA1@0.5'	0.81	--
			Cumulative Risk Ratio:			0.84	

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above PRG value.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 632

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	18

File: M:\Projects\54506_(CTO-104)\EBS\CAD\Phase1_Investigation\Transferrable_PRLs\Tech Sheets\Final\PRL632_F.dwg Time: Aug 18, 2003 - 9:40am

Table 18. Analytical Results, PRL-632

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL632-HA1 0-0.5' bgs LJ104	PRL632-HA1 0.5' bgs LJ240
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	5.1 U	NA
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	5.1 U	NA
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	5.1 U	NA
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	5.1 U	NA
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	5.1 UJ	NA
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	5.1 U	NA
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	5.1 U	NA
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	5.1 U	NA
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	5.1 U	NA
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	5.1 UJ	NA
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	100 U	NA
2-Hexanone	µg/kg	--	--	--	--	51 UJ	NA
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	51 UJ	NA
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	100 U	NA
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	5.1 U	NA
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	5.1 U	NA
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	5.1 U	NA
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	5.1 U	NA
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	5.1 U	NA
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	5.1 UJ	NA
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	5.1 U	NA
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	5.1 U	NA
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	5.1 U	NA
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	5.1 U	NA
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	5.1 U	NA
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.1 U	NA
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	5.1 U	NA
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	5.1 U	NA
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	5.1 U	NA
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	5.1 U	NA
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	5.1 U	NA
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	5.1 U	NA
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	5.1 U	NA
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	5.1 U	NA
Tertiary amyl methyl ether	µg/kg	--	--	--	--	5.1 U	NA
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	20 UJ	NA
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	5.1 U	NA
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	5.1 U	NA
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	15 U	NA
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	5.1 U	NA
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.1 U	NA
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	5.1 U	NA
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	5.1 U	NA
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	5.1 U	NA
Semivolatile Organic Compounds (SVOCs)							
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	530 U	NA
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	530 U	NA
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	530 U	NA
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	530 U	NA
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	530 U	NA
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	530 U	NA
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	530 U	NA
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	530 U	NA
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	530 U	NA
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2700 U	NA

Table 18. Analytical Results, PRL-632

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL632-HA1 0-0.5' bgs LJ104	PRL632-HA1 0.5' bgs LJ240
SVOCs, Continued							
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	530 U	NA
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	530 U	NA
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	530 U	NA
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	530 U	NA
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	530 U	NA
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2700 U	NA
2-Nitrophenol	µg/kg	--	--	--	--	530 U	NA
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	NA
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	530 U	NA
3-Nitroaniline	µg/kg	--	--	--	--	2700 U	NA
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2700 U	NA
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	530 UJ	NA
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	530 U	NA
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	NA
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	530 U	NA
4-Nitroaniline	µg/kg	--	--	--	--	2700 U	NA
4-Nitrophenol	µg/kg	--	--	--	--	2700 U	NA
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	530 U	NA
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	530 U	NA
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	530 U	NA
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	530 U	NA
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	530 U	NA
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	530 U	NA
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	530 U	NA
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	530 U	NA
Di-n-butylphthalate	µg/kg	--	--	--	--	530 U	NA
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	530 R	NA
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	530 U	NA
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	530 U	NA
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2700 UJ	NA
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	530 U	NA
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	530 U	NA
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	530 U	NA
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	530 U	NA
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2700 U	NA
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1800 U	NA
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	530 U	NA
Polynuclear Aromatic Hydrocarbons (PAHs)							
2-Methylnaphthalene	µg/kg	--	--	--	--	27 U	33 U
Acenaphthene	µg/kg	--	3.7E+06	--	3.7E+06	27 U	33 U
Acenaphthylene	µg/kg	--	--	--	--	27 U	33 U
Anthracene	µg/kg	--	2.2E+07	--	2.2E+07	27 U	33 U
Benzo(a)anthracene	µg/kg	--	6.2E+02	6.2E+02	--	27 UJ	33 UJ
Benzo(a)pyrene	µg/kg	--	6.2E+01	6.2E+01	--	27 R	33 U
Benzo(b)fluoranthene	µg/kg	--	6.2E+02	6.2E+02	--	27 R	33 U
Benzo(g,h,i)perylene	µg/kg	--	--	--	--	27 R	33 U
Benzo(k)fluoranthene	µg/kg	--	3.8E+02	3.8E+02	--	27 R	33 U
Chrysene	µg/kg	--	3.8E+03	3.8E+03	--	27 UJ	33 UJ
Dibenz(a,h)anthracene	µg/kg	--	6.2E+01	6.2E+01	--	27 R	33 U
Fluoranthene	µg/kg	--	2.3E+06	--	2.3E+06	27 U	33 U
Fluorene	µg/kg	--	2.8E+06	--	2.8E+06	27 U	33 U
Indeno(1,2,3-cd)pyrene	µg/kg	--	6.2E+02	6.2E+02	--	27 R	33 U
Naphthalene	µg/kg	--	5.6E+04	--	5.6E+04	27 U	33 U
Phenanthrene	µg/kg	--	--	--	--	27 UJ	33 UJ
Pyrene	µg/kg	--	2.3E+06	--	2.3E+06	27 U	33 U

Table 18. Analytical Results, PRL-632

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL632-HA1 0-0.5' bgs LJ104	PRL632-HA1 0.5' bgs LJ240
Polychlorinated Biphenyls							
Arochlor 1016	µg/kg	--	3.9E+03	6.3E+03	3.9E+03	35 U	44 U
Arochlor 1221	µg/kg	--	2.2E+02	2.2E+02	--	70 U	88 U
Arochlor 1232	µg/kg	--	2.2E+02	2.2E+02	--	35 U	44 U
Arochlor 1242	µg/kg	--	2.2E+02	2.2E+02	--	35 U	44 U
Arochlor 1248	µg/kg	--	2.2E+02	2.2E+02	--	35 U	44 U
Arochlor 1254	µg/kg	--	2.2E+02	2.2E+02	1.1E+03	35 U	44 U
Arochlor 1260	µg/kg	--	2.2E+02	2.2E+02	--	35 U	6 J
Hydrocarbons							
Motor Oils	mg/kg	--	--	--	--	590	NA
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	82 J	NA
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.8 U	NA
Metals							
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	7430	NA
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	13 U	NA
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	1.6 J	NA
Barium	mg/kg	173	5.4E+03	--	5.4E+03	101	NA
Beryllium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.85 U	NA
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.29 UJ	NA
Calcium	mg/kg	46000	--	--	--	4650	NA
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	7.7	NA
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	4.4	NA
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	3.5	NA
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	10600 J	NA
Lead	mg/kg	15.1	1.5E+02	--	--	2.3	NA
Magnesium	mg/kg	8370	--	--	--	3760 J	NA
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	194	NA
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.056	NA
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	4.6	NA
Potassium	mg/kg	4890	--	--	--	2170 J	NA
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.3 U	NA
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.1 U	NA
Sodium	mg/kg	405	--	--	--	420 U	NA
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.7 U	NA
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	25.4	NA
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	27.2	NA
Dioxins							
2,3,7,8-TCDD	pg/g	--	--	--	--	0.0836 UJ	0.207
1,2,3,4,7,8-PeCDD	pg/g	--	--	--	--	0.111 UJ	0.843 UJ
1,2,3,4,7,8-HxCDD	pg/g	--	--	--	--	0.111 UJ	1.01
1,2,3,6,7,8-HxCDD	pg/g	--	--	--	--	0.129 UJ	2.54
1,2,3,7,8,9-HxCDD	pg/g	--	--	--	--	0.139 UJ	2.03
1,2,3,4,6,7,8-HpCDD	pg/g	--	--	--	--	1.09 UJ	42.5
OCDD	pg/g	--	--	--	--	7.64	338
2,3,7,8-TDCF	pg/g	--	--	--	--	0.0714 UJ	0.865
1,2,3,7,8-PeCDF	pg/g	--	--	--	--	0.253 UJ	0.74 UJ
2,3,4,7,8-PeCDF	pg/g	--	--	--	--	0.101 UJ	1.41
1,2,3,4,7,8-HxCDF	pg/g	--	--	--	--	0.158 UJ	1.24
1,2,3,6,7,8-HxCDF	pg/g	--	--	--	--	0.0784 UJ	1.14
2,3,4,6,7,8-HxCDF	pg/g	--	--	--	--	0.0697 UJ	1.75
1,2,3,7,8,9-HxCDF	pg/g	--	--	--	--	0.218	0.391 UJ
1,2,3,4,6,7,8,-HpCDF	pg/g	--	--	--	--	0.242 UJ	8.63
1,2,3,4,7,8,9-HpCDF	pg/g	--	--	--	--	0.047 UJ	0.476 UJ
OCDF	pg/g	--	--	--	--	0.495 UJ	18.7
Total TCDDs	pg/g	--	--	--	--	0.190	12.9
Total PeCDDs	pg/g	--	--	--	--	0.244	25.4
Total HxCDDs	pg/g	--	--	--	--	0.355 UJ	36.4

Table 18. Analytical Results, PRL-632

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL632-HA1 0-0.5' bgs LJ104	PRL632-HA1 0.5' bgs LJ240
Dioxins, Continued							
Total HpCDDs	pg/g	--	--	--	--	2.49 UJ	102
Total TCDFs	pg/g	--	--	--	--	0.300	23.9
Total PeCDFs	pg/g	--	--	--	--	0.507 UJ	20.2
Total HxCDFs	pg/g	--	--	--	--	0.747 UJ	18.6
Total HpCDFs	pg/g	--	--	--	--	0.242 UJ	19.5
Total 2,3,7,8-TCDD TEQ	pg/g	--	3.9E+00	3.9E+00	--	0.269	3.17
pH							
pH	pH Units	--	--	--	--	7.76	NA

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

R = The specified result has been rejected and is unuseable.

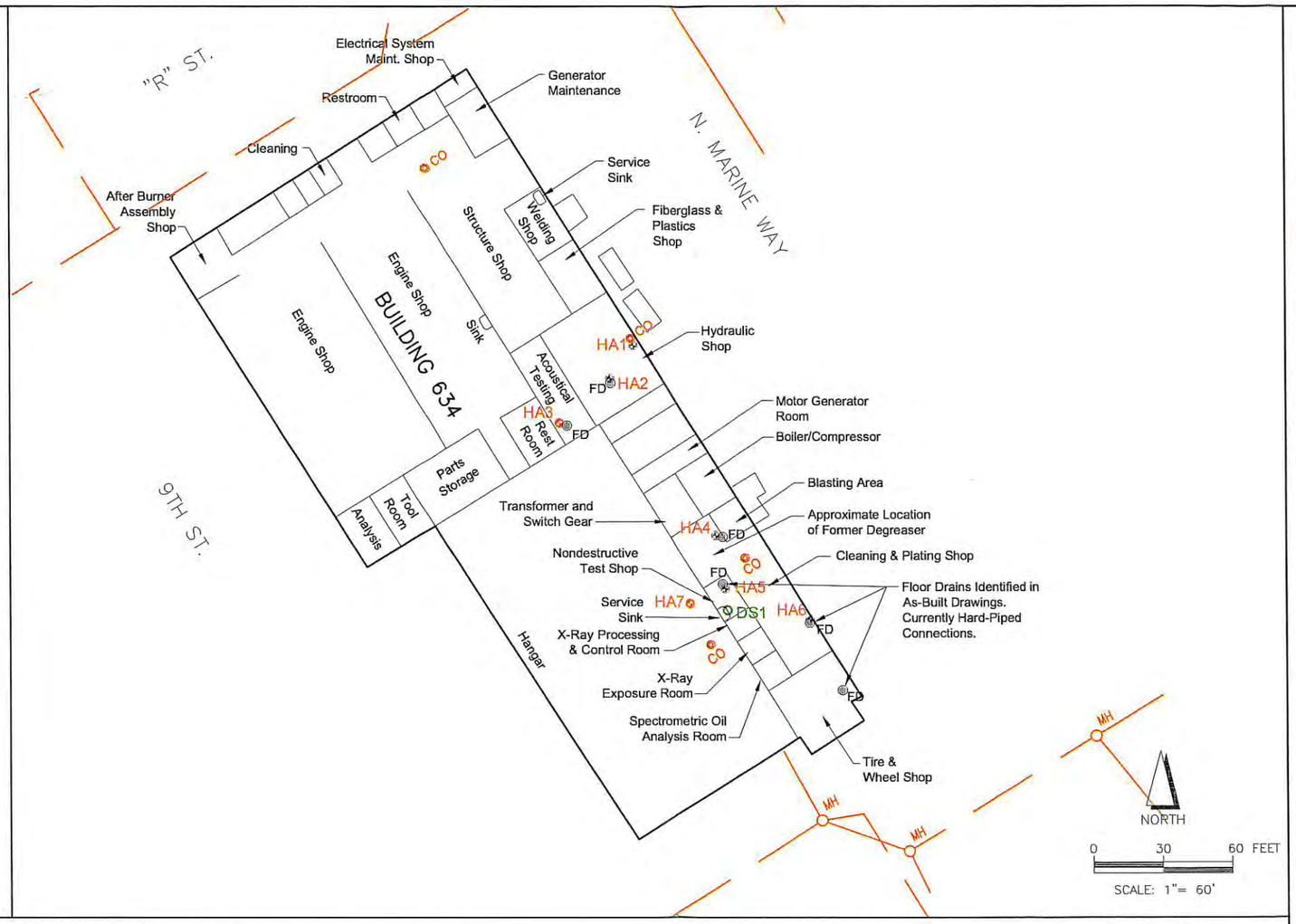
NA = The sample was not analyzed for the specified analyte.

PRL 634

Soil Sample Borehole HA3 in Acoustical Testing Room (Facing Northwest)

Soil Sample Borehole HA5 in X-ray Processing Room (Facing North)

P-trap of Service Sink in X-ray Processing Room Where Drain Sample DS1 was Taken(Facing West)



LEGEND:

- DS1 — Drain Sample
- Edge of Road
- FD — Floor Drain
- HA3 — Hand Auger Soil Sample Location
- Sewer Line
- CO — Sewer Line Clean Out
- MH — Sewer Line Manhole
- Sink

Background:
The building was identified as a maintenance hanger, airframes shop, and avionics shop in 1973.
Four locations of concern (LOCs) are associated with this site. PCB T085 was a transformer that has been removed; no further action (NFA) was recommended. PCB T086 was a transformer that has been removed; NFA was recommended. TAA 634 is inactive and a cleanup strategy is to be proposed. UST 634 has been removed; the site was closed by the Orange County Health Care Agency (OCHCA).

Sampling and Analysis Summary:
Soil samples were collected to evaluate potential discharges/releases associated with various industrial activities that occurred. Seven soil samples were collected from seven boreholes (HA1 at a depth range of 1.0'-2.5' below ground surface [bgs], HA2, HA6, and HA7 at a depth range of 1.0'-2.0' bgs, HA3 at a depth range of 1.0'-1.5' bgs, HA4 at a depth of 1.0' bgs, and HA5 at a depth range of 0.5'-1.0' bgs.) All samples were analyzed for VOCs, SVOCs, TPHs, and metals. A sediment sample was collected from the sink drain at location DS1 and analyzed for metals.

Analytical Results:
One analyte exceeded its residential preliminary remediation goal (PRG). Arsenic (7.8 mg/kg) was detected in soil sample HA1. TPH as motor oils and as volatiles were detected at maximum concentrations (estimated values) of 6 mg/kg (HA3) and 0.02 mg/kg (HA6), respectively. Analytical results of the drain sample collected at location DS1 were compared with RCRA and California-designated hazardous waste criteria. Cadmium, copper, lead, and zinc concentrations exceeded California-designated hazardous waste criteria. Cadmium, chromium, lead, and silver exceeded RCRA hazardous waste criteria.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9 PRGs to calculate the cumulative risk ratio. The results indicated no significant noncancer risk (see table for summary). The cancer risk ratio was calculated to be 20, which was contributed almost entirely by arsenic. The maximum detected concentration is of the same order of magnitude as the background value concentration. It is very likely that the evidenced arsenic concentration is indicative of background.

Waste Characterization:
The content of the drain at location DS1 has been characterized as RCRA and California-designated hazardous waste.

Conclusion:
Further evaluation is required in accordance with EPA and DTSC comments per letters dated April 11, 2003.

Source:
Aerial Survey, OHM/SWDIV, 1997
Borehole Location Survey, Cal Vada, 2003

Building interior and exterior locations and details are approximate.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Volatile Organic Compounds (VOCs)								
Acetone	µg/kg	--	--	1.6E+06	34	HA6@1.0'-2.0'	--	<0.01
Methylene Chloride	µg/kg	--	9.1E+03	2.0E+06	2	HA1@1.0'-2.5'HA6@1.0'-2.0'	<0.01	<0.01
Semivolatile Organic Compounds (SVOCs)								
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	1.2E+06	35	HA4@1.0'	<0.01	<0.01
Butylbenzylphthalate	µg/kg	--	--	1.2E+07	67	HA5@0.5'-1.0'	--	<0.01
Metals								
Arsenic	mg/kg	6.86	3.9E-01	2.2E+01	**7.8**	HA1@1.0'-2.5'	20.00	0.36
Barium	mg/kg	173	--	5.4E+03	268	HA1@1.0'-2.5'	--	0.05
Cobalt	mg/kg	6.98	9.0E+02	1.4E+03	24.2	HA4@1.0'	0.03	0.02
Copper	mg/kg	6.41	--	3.1E+03	14.2	HA1@1.0'-2.5'	--	<0.01
Selenium	mg/kg	0.32	--	3.9E+02	0.69	HA7@1.0'-2.0'	--	<0.01
Zinc	mg/kg	77.9	--	2.4E+04	90.4	HA1@1.0'-2.5'	--	<0.01
				Cumulative Risk Ratio:			20.03	0.44

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above MCAS El Toro Background value or PRG value, whichever is higher.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 634

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure 19
Project No. 54506	EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	

File: M:\Projects\54506_(CTO-104)\EBS\CAD\Phase1_Investigation\Transferrable_PRLs\Tech Sheets\Final\PRL634_F.dwg Time: Aug 18, 2003 - 9:42am

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA3 1.0'-1.5' bgs LJ130	PRL634-HA2 1.0'-2.0' bgs LJ131	PRL634-HA1 1.0'-2.5' bgs LJ132	PRL634-HA7 1.0'-2.0' bgs LJ133	PRL634-HA6 1.0-2.0' bgs LJ134	PRL634-HA6 (dup) 1.0'-2.0' bgs LJ135
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	4.8 UJ	4.8 UJ	6.7 UJ	4.9 UJ	4.9 UJ	5.1 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	4.8 UJ	4.8 UJ	6.7 UJ	4.9 UJ	4.9 UJ	5.1 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	95 U	96 U	130 U	98 U	98 U	100 U
2-Hexanone	µg/kg	--	--	--	--	48 UJ	48 UJ	67 UJ	49 UJ	49 UJ	51 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	48 UJ	48 UJ	67 UJ	49 UJ	49 UJ	51 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	95 UJ	25 J	130 UJ	33 J	98 UJ	34 J
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	4.8 UJ	4.8 UJ	6.7 UJ	4.9 UJ	4.9 UJ	5.1 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	4.8 UJ	4.8 UJ	6.7 UJ	4.9 UJ	4.9 UJ	5.1 UJ
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	0.7 J	4.8 U	2 J	4.9 U	2 J	5.1 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	19 UJ	19 UJ	27 UJ	20 UJ	20 UJ	20 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	14 UJ	14 UJ	20 UJ	15 UJ	15 UJ	15 UJ
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	4.8 UJ	4.8 UJ	6.7 UJ	4.9 UJ	4.9 UJ	5.1 UJ
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	4.8 U	4.8 U	6.7 U	4.9 U	4.9 U	5.1 U
Semivolatile Organic Compounds (SVOCs)											
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	550 U	520 U	690 U	540 U	540 U	540 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	550 U	520 U	690 U	540 U	540 U	540 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	550 U	520 U	690 U	540 U	540 U	540 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	550 U	520 U	690 U	540 U	540 U	540 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	550 U	520 U	690 U	540 U	540 U	540 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	550 U	520 U	690 U	540 U	540 U	540 U

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA3 1.0'-1.5' bgs LJ130	PRL634-HA2 1.0'-2.0' bgs LJ131	PRL634-HA1 1.0'-2.5' bgs LJ132	PRL634-HA7 1.0'-2.0' bgs LJ133	PRL634-HA6 1.0-2.0' bgs LJ134	PRL634-HA6 (dup) 1.0'-2.0' bgs LJ135
SVOCs, Continued											
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	550 U	520 U	690 U	540 U	540 U	540 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	550 U	520 U	690 U	540 U	540 U	540 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	550 U	520 U	690 U	540 U	540 U	540 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2700 U	2600 UJ	3400 UJ	2700 UJ	2700 UJ	2700 UJ
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	550 U	520 U	690 U	540 U	540 U	540 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	550 U	520 U	690 U	540 U	540 U	540 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	550 U	520 U	690 U	540 U	540 U	540 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	550 U	520 U	690 U	540 U	540 U	540 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	550 U	520 U	690 U	540 U	540 U	540 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
2-Nitrophenol	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1000 U	1400 U	1100 U	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	550 U	520 U	690 U	540 U	540 U	540 U
3-Nitroaniline	µg/kg	--	--	--	--	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2700 U	2600 U	3400 U	2700 U	2700 UJ	2700 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1000 U	1400 U	1100 U	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
4-Nitroaniline	µg/kg	--	--	--	--	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
4-Nitrophenol	µg/kg	--	--	--	--	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	550 U	520 U	690 U	540 U	540 U	540 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	550 U	520 U	690 U	540 U	540 U	540 U
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	550 U	520 U	690 U	540 U	540 U	540 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	550 U	520 U	690 U	540 U	540 U	540 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	550 U	520 U	690 U	540 U	540 U	540 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	550 U	520 U	690 U	540 U	540 U	540 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	550 U	520 U	690 U	540 U	540 U	540 U
Di-n-butylphthalate	µg/kg	--	--	--	--	550 U	520 U	690 U	540 U	540 U	540 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	550 U	520 U	690 U	540 U	540 U	540 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	550 U	520 U	690 U	540 U	540 U	540 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	550 U	520 U	690 U	540 U	540 U	540 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	550 U	520 U	690 U	540 U	540 U	540 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	550 U	520 U	690 U	540 U	540 U	540 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	550 U	520 U	690 U	540 U	540 U	540 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	550 U	520 UJ	690 UJ	540 U	540 U	540 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2700 U	2600 U	3400 U	2700 U	2700 U	2700 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	1800 U	2300 U	1900 U	1800 U	1800 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	550 U	520 U	690 U	540 U	540 U	540 U
Hydrocarbons											
Motor Oils	mg/kg	--	--	--	--	6 J	10 U	14 U	11 U	11 U	11 U
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	11 U	10 U	14 U	11 U	11 U	11 U
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.5 U	9.9 U	13 U	9.9 U	0.02 J	11 U
Metals											
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	7120	3930	28800	7320	7280	12800
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	13 U	12 U	16 U	13 U	13 U	13 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	3.2	1.9	7.8	2.6	2.9	3.6
Barium	mg/kg	173	5.4E+03	--	5.4E+03	85.3	67.9	268	67.9	108	125
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.88 U	0.83 U	0.46	0.87 U	0.86 U	0.86 U

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA3 1.0'-1.5' bgs LJ130	PRL634-HA2 1.0'-2.0' bgs LJ131	PRL634-HA1 1.0'-2.5' bgs LJ132	PRL634-HA7 1.0'-2.0' bgs LJ133	PRL634-HA6 1.0-2.0' bgs LJ134	PRL634-HA6 (dup) 1.0'-2.0' bgs LJ135
Metals, Continued											
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.27 UJ	0.18 UJ	0.23 UJ	0.31 UJ	0.32 UJ	0.19 UJ
Calcium	mg/kg	46000	--	--	--	4850 J	3950 J	17300 J	4770 J	5410 J	8470 J
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	7.5	4	21.4	9.4	7	11.3
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	4.6	3.2	13.9	5.2	5.3	8.2
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	4.3	3	14.2	5.7	4.2	5.1
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	9890	6510	32100	10300	10800	16500
Lead	mg/kg	15.1	1.5E+02	--	--	3.5	1.3	7.1	3.1	2	2.9
Magnesium	mg/kg	8370	--	--	--	3480	2480	15100	3510	4380	6700
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	154	142	410	149	200	275
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.024	0.21 U	0.17	0.037	0.022	0.016
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	4.8	3.6	12.7	5.9	5.1	6.3
Potassium	mg/kg	4890	--	--	--	2010	1450	7610	1910	3200	4190
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.3 U	1.2 U	1.6 U	0.69 UJ	1.3 U	1.3 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.2 U	2.1 U	2.7 U	2.2 U	2.1 U	2.2 U
Sodium	mg/kg	405	--	--	--	440 UJ	420 UJ	550 UJ	440 UJ	430 UJ	430 UJ
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.8 U	1.7 U	2.2 U	1.7 U	1.7 U	1.7 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	22.3	15.5	63.2	22.8	23.4	37
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	28.1	20	90.4	39	38	46.4
Chromium VI											
Chromium (VI)	mg/kg	26.9	3.0E+01	3.0E+01	2.2E+02	NA	NA	NA	0.054 U	NA	NA
pH											
pH	pH Units	--	--	--	--	8.58	9.16	8.71	8.81	8.76	9.51

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA5 0.5'-1.0' bgs LJ136	PRL634-HA4 1.0' bgs LJ170
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	5.3 U	4.6 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	5.3 U	4.6 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	5.3 U	4.6 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	5.3 U	4.6 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	5.3 UJ	4.6 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	5.3 U	4.6 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	5.3 U	4.6 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	5.3 U	4.6 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	5.3 U	4.6 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	5.3 UJ	4.6 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	110 U	92 U
2-Hexanone	µg/kg	--	--	--	--	53 UJ	46 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	53 UJ	46 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	110 UJ	34 J
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	5.3 U	4.6 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	5.3 U	4.6 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	5.3 U	4.6 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	5.3 U	4.6 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	5.3 U	4.6 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	5.3 UJ	4.6 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	5.3 U	4.6 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	5.3 U	4.6 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	5.3 U	4.6 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	5.3 U	4.6 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	5.3 U	4.6 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.3 U	4.6 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	5.3 U	4.6 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	5.3 U	4.6 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	5.3 UJ	4.6 UJ
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	5.3 U	4.6 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	5.3 U	4.6 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	5.3 U	4.6 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	5.3 U	4.6 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	5.3 U	4.6 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	5.3 U	4.6 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	21 UJ	18 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	5.3 U	4.6 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	5.3 U	4.6 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	16 UJ	14 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	5.3 UJ	4.6 UJ
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.3 U	4.6 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	5.3 U	4.6 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	5.3 U	4.6 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	5.3 U	4.6 U
Semivolatile Organic Compounds (SVOCs)							
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	550 U	560 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	550 U	560 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	550 U	560 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	550 U	560 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	550 U	560 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	550 U	560 U

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA5 0.5'-1.0' bgs LJ136	PRL634-HA4 1.0' bgs LJ170
SVOCs, Continued							
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	550 U	560 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	550 U	560 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	550 U	560 UJ
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2800 U	2800 U
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	550 U	560 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	550 U	560 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	550 U	560 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	550 U	560 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	550 U	560 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2800 U	2800 U
2-Nitrophenol	µg/kg	--	--	--	--	550 U	560 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	550 U	560 U
3-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2800 U	2800 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	550 U	560 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	550 U	560 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	550 U	560 U
4-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U
4-Nitrophenol	µg/kg	--	--	--	--	2800 U	2800 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	550 U	560 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	550 U	560 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	550 U	35 J
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	67 J	560 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	550 U	560 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	550 U	560 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	550 U	560 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	550 U	560 U
Di-n-butylphthalate	µg/kg	--	--	--	--	550 U	560 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	550 U	560 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	550 U	560 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	550 U	560 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2800 U	2800 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	550 U	560 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	550 U	560 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	550 U	560 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	550 U	560 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2800 U	2800 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	1900 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	550 U	560 U
Hydrocarbons							
Motor Oils	mg/kg	--	--	--	--	65	13
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	4 J	2 J
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	10 U	10 U
Metals							
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	4810	10200
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	0.78 UJ	14 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	6.1	2.8 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	34.9	108
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.17 UJ	0.9 U

Table 19a. Analytical Results, PRL-634

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL634-HA5 0.5'-1.0' bgs LJ136	PRL634-HA4 1.0' bgs LJ170
Metals, Continued							
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.89 U	0.055 UJ
Calcium	mg/kg	46000	--	--	--	918 J	7060
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	6.2	12.1
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	2.5	24.2
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	3.7	9.6
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	8340	13600
Lead	mg/kg	15.1	1.5E+02	--	--	3.6	5.8
Magnesium	mg/kg	8370	--	--	--	1350	4920
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	42.5	220 J
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.056	0.015
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	3.9	7.4 J
Potassium	mg/kg	4890	--	--	--	811	2850
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.3 U	1.4 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.2 U	2.3 U
Sodium	mg/kg	405	--	--	--	68.6 UJ	204 UJ
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.8 U	1.8 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	14.8	29.2
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	17.7	39.3
Chromium VI							
Chromium (VI)	mg/kg	26.9	3.0E+01	3.0E+01	2.2E+02	NA	NA
pH							
pH	pH Units	--	--	--	--	7.65	9.23

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

Table 19b. Analytical Results and Preliminary Waste Characterization, Sink Drain Samples (Solid Matrix), PRL634

Analyte	MCAS El Toro Background Value (95th quantile)	RCRA Hazwaste TCLP's RL (mg/L)	RCRA Hazwaste 20 x TCLP RL (mg/kg)	Cal-Hazwaste TTLC (mg/kg)	Cal-Hazwaste STLC (mg/L)	Cal-Hazwaste 10 x STLC (mg/kg)	PRL-634-DS1 Water Closet Drain LJ202 (mg/kg)
Metals							
Aluminum	14800	--	--	--	--	--	1710
Antimony	3.06	--	--	500	15	150	30 U
Arsenic	6.86	5.0	100.0	500	5.0	50	4.1
Barium	173	100.0	2000.0	10,000	100	1000	93.8
Berillium	0.669	--	--	75	0.75	7.5	0.12 UJ
Cadmium	2.35	1.0	20.0	100	1.0	10.0	***291***
Calcium	46000	--	--	--	--	--	24600
Chromium	26.9	5.0	100.0	2,500	5	50	***251***
Cobalt	6.98	--	--	8,000	80	800	4.8 UJ
Copper	6.41	--	--	2,500	25	250	***50100***
Iron	18400	--	--	--	--	--	84700
Lead	15.1	5.0	100.0	1,000	5	50.0	***1530***
Magnesium	8370	--	--	--	--	--	19800
Manganese	291	--	--	--	--	--	239
Mercury	0.22	0.2	4.0	20	0.2	2.0	0.38
Nickel	15.3	--	--	2,000	20	200	154
Potassium	4890	--	--	--	--	--	2690
Selenium	0.32	1.0	20.0	100	1.0	10.0	1.2
Silver	0.539	5.0	100.0	500	5	50	***184***
Sodium	405	--	--	--	--	--	4430
Thallium	0.42	--	--	700	7.0	70.0	1.2
Vanadium	71.8	--	--	2,400	24	240	1.5 UJ
Zinc	77.9	--	--	5,000	250	2,500	***55100***

Notes:

mg/L = miligrams per liter

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

RL = Regulatory Limit

RCRA = Resource Conservation and Recovery Act

TTLC = total threshold limit concentration

TCLP = toxicity characteristic leaching procedure

STLC = soluble threshold limit concentrations

Bold indicates values (mg/kg) exceeding 20 x TCLP (RL) value, meaning the analyte would likely fail the TCLP test and therefore the waste may be classified as a RCRA Hazardous Waste, else the Generator must perform a TCLP test to demonstrate that it IS NOT a RCRA Hazardous Waste.

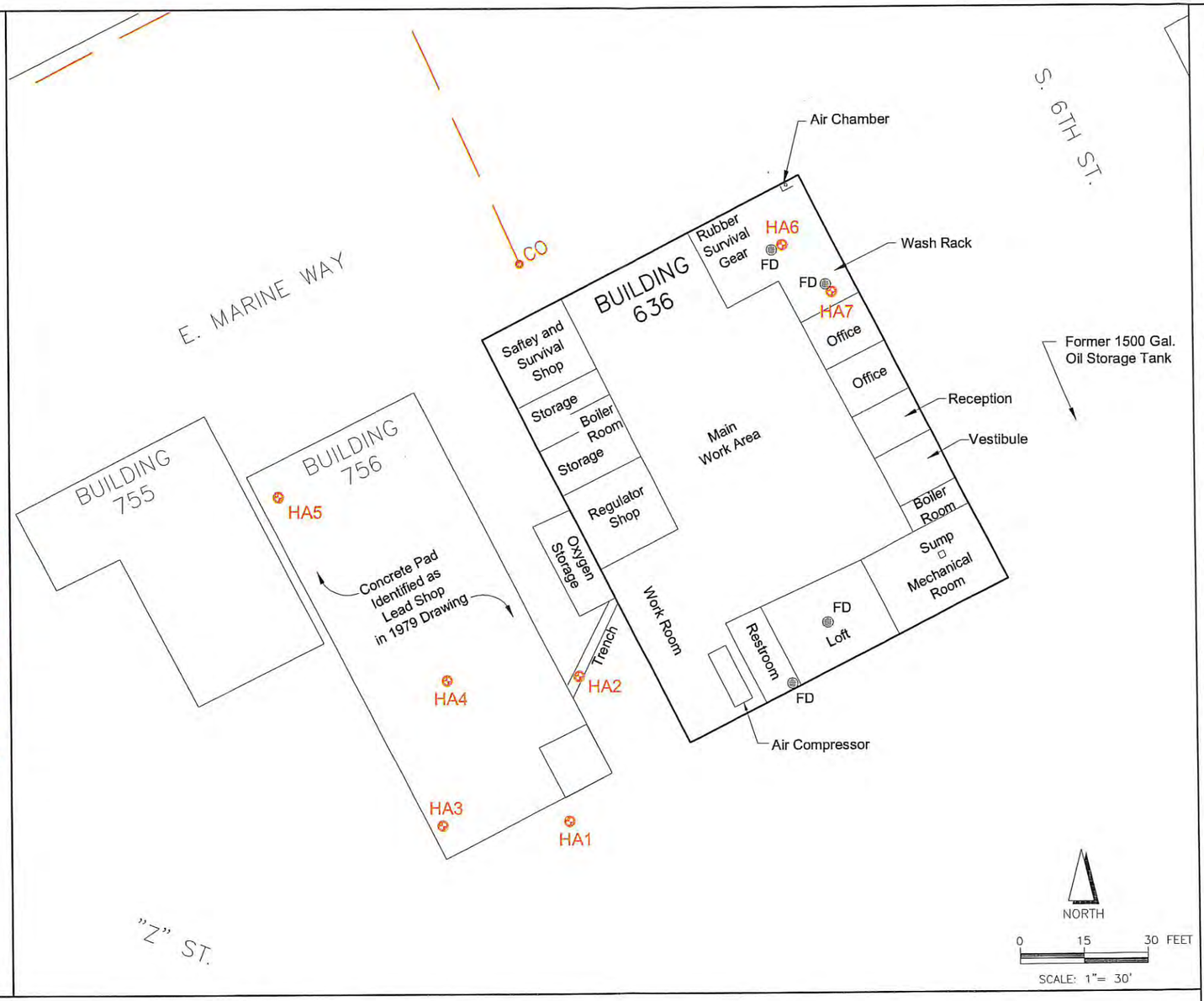
Highlight indicates values (mg/kg) exceeding TTLC value, meaning the analyte is characterized as California-Regulated Hazardous Waste.

Italics indicates value exceeding 10 x STLC value, meaning the analyte would likely fail the WET test and therefore the waste may be classified as a California-Regulated Hazardous Waste, else the Generator must perform a WET test to demonstrate that it IS NOT a Cal-Regulated Hazardous Waste.

PRL 636

Exterior View of Building
(Facing Northwest)

Borehole HA4 in Center of Concrete
Pad of Building 756
(Facing Southeast)



LEGEND:

- Edge of Road
- FD — Floor Drain
- HA3 — Hand Auger Soil Sample Location
- Sewer Line
- CO — Sewer Line Clean Out

Background:
The building was identified as a parachute/survival equipment shop in 1973.
Three locations of concern (LOCs) are associated with this site. PCB T087 was a transformer that has been replaced; no further action (NFA) was recommended. TAA 636 (SWMU/AOC 160) is inactive; NFA was recommended. UST 636 was removed; the site was closed by the Orange County Health Care Agency (OCHCA).

Sampling and Analysis Summary:
Seven soil samples were collected from seven locations (HA1 and HA2 at depth ranges of 0.5'-1.5' and 1.0'-2.0' below ground surface [bgs], respectively; HA3-HA5 at a depth range of 0.5'-1.0' bgs; and HA6 and HA7 at a depth of 1.0' bgs). HA1, HA2, HA6, and HA7 were analyzed for VOCs, SVOCs, TPH, and metals. HA3-HA5 were analyzed for lead only.

Analytical Results:
No analyte exceeded its respective residential preliminary remediation goal (PRG). TPH as motor oils and as extractables were detected at maximum concentrations of 33 mg/kg (HA1) and 6 mg/kg (HA7) (estimated value), respectively.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9 PRGs to calculate the cumulative risk ratio. The results indicated no significant cancer or noncancer risk (see table for summary).

Conclusion:
No further action was recommended and concurred with by EPA and DTSC per letters dated April 11, 2003.

Source:
Aerial Survey, OHM/SWDIV, 1997
Borehole Location Survey, Cal Vada, 2003

Building interior and exterior locations and details are approximate.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Volatile Organic Compounds (VOCs)								
Methylene Chloride	µg/kg	--	9.1E+03	2.0E+06	0.6	HA6@1.0'	<0.01	<0.01
Semivolatile Organic Compounds (SVOCs)								
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	1.2E+06	46	HA6@1.0'	<0.01	<0.01
Metals								
Cobalt	mg/kg	6.98	9.0E+02	1.4E+03	14.4	HA7@1.0'	0.02	0.01
Copper	mg/kg	6.41	--	3.1E+03	23.8	HA7@1.0'	--	<0.01
				Cumulative Risk Ratio:			0.02	0.02

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above MCAS El Toro Background value or PRG value, whichever is higher.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 636

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure 20
Project No. 54506	EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	

File: M:\Projects\54506_(CTO-104)\EBS\CAD\Phase1_Investigation\Transferrable_PRLs\Tech Sheets\Final\PRL636_F.dwg Time: Aug 18, 2003 - 9:43am

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA4 0.5'-1.0' bgs LJ141	PRL636-HA3 0.5'-1.0' bgs LJ142	PRL636-HA5 0.5'-1.0' bgs LJ143	PRL636-HA1 0.5'-1.5' bgs LJ144	PRL636-HA5 (dup) 0.5'-1.0' bgs LJ145	PRL636-HA2 1.0'-2.0' bgs LJ146
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	NA	NA	NA	4.8 U	NA	5.5 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	NA	NA	NA	4.8 U	NA	5.5 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	NA	NA	NA	4.8 U	NA	5.5 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	NA	NA	NA	4.8 U	NA	5.5 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	NA	NA	NA	4.8 UJ	NA	5.5 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	NA	NA	NA	4.8 U	NA	5.5 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	NA	NA	NA	4.8 U	NA	5.5 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	NA	NA	NA	4.8 U	NA	5.5 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	NA	NA	NA	4.8 U	NA	5.5 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	NA	NA	NA	4.8 UJ	NA	5.5 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	NA	NA	NA	96 UJ	NA	110 UJ
2-Hexanone	µg/kg	--	--	--	--	NA	NA	NA	48 U	NA	55 U
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	NA	NA	NA	48 U	NA	55 U
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	NA	NA	NA	96 U	NA	110 U
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	NA	NA	NA	4.8 U	NA	5.5 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	NA	NA	NA	4.8 U	NA	5.5 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	NA	NA	NA	4.8 U	NA	5.5 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	NA	NA	NA	4.8 U	NA	5.5 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	NA	NA	NA	4.8 U	NA	5.5 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	NA	NA	NA	4.8 UJ	NA	5.5 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	NA	NA	NA	4.8 U	NA	5.5 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	NA	NA	NA	4.8 U	NA	5.5 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	NA	NA	NA	4.8 U	NA	5.5 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	NA	NA	NA	4.8 U	NA	5.5 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	NA	NA	NA	4.8 U	NA	5.5 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	NA	NA	NA	4.8 U	NA	5.5 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	NA	NA	NA	4.8 U	NA	5.5 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	NA	NA	NA	4.8 U	NA	5.5 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	NA	NA	NA	4.8 U	NA	5.5 U
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	NA	NA	NA	4.8 U	NA	5.5 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	NA	NA	NA	4.8 U	NA	5.5 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	NA	NA	NA	4.8 U	NA	5.5 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	NA	NA	NA	4.8 U	NA	5.5 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	NA	NA	NA	4.8 U	NA	5.5 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	NA	NA	NA	4.8 U	NA	5.5 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	NA	NA	NA	19 UJ	NA	22 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	NA	NA	NA	4.8 U	NA	5.5 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	NA	NA	NA	4.8 U	NA	5.5 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	NA	NA	NA	14 U	NA	16 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	NA	NA	NA	4.8 UJ	NA	5.5 UJ
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	NA	NA	NA	4.8 U	NA	5.5 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	NA	NA	NA	4.8 U	NA	5.5 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	NA	NA	NA	4.8 U	NA	5.5 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	NA	NA	NA	4.8 U	NA	5.5 U
Semivolatile Organic Compounds (SVOCs)											
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	NA	NA	NA	520 U	NA	580 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	NA	NA	NA	520 U	NA	580 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	NA	NA	NA	520 U	NA	580 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	NA	NA	NA	520 U	NA	580 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	NA	NA	NA	520 U	NA	580 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	NA	NA	NA	520 U	NA	580 U

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA4 0.5'-1.0' bgs LJ141	PRL636-HA3 0.5'-1.0' bgs LJ142	PRL636-HA5 0.5'-1.0' bgs LJ143	PRL636-HA1 0.5'-1.5' bgs LJ144	PRL636-HA5 (dup) 0.5'-1.0' bgs LJ145	PRL636-HA2 1.0'-2.0' bgs LJ146
SVOCs, Continued											
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	NA	NA	NA	520 U	NA	580 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	NA	NA	NA	520 U	NA	580 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	NA	NA	NA	520 U	NA	580 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	NA	NA	NA	2600 U	NA	2900 UJ
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	NA	NA	NA	520 U	NA	580 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	NA	NA	NA	520 U	NA	580 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	NA	NA	NA	520 U	NA	580 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	NA	NA	NA	520 U	NA	580 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	NA	NA	NA	520 U	NA	580 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	NA	NA	NA	2600 U	NA	2900 U
2-Nitrophenol	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	NA	NA	NA	1000 U	NA	1200 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	NA	NA	NA	520 U	NA	580 U
3-Nitroaniline	µg/kg	--	--	--	--	NA	NA	NA	2600 U	NA	2900 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	NA	NA	NA	2600 U	NA	2900 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	NA	NA	NA	1000 U	NA	1200 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
4-Nitroaniline	µg/kg	--	--	--	--	NA	NA	NA	2600 U	NA	2900 U
4-Nitrophenol	µg/kg	--	--	--	--	NA	NA	NA	2600 U	NA	2900 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
bis(2-chloroethyl)ether	µg/kg	--	211	2.1E+02	--	NA	NA	NA	520 U	NA	580 U
bis(2-ethylhexyl)phthalate	µg/kg	--	34700	3.5E+04	1.2E+06	NA	NA	NA	520 U	NA	580 U
Butylbenzylphthalate	µg/kg	--	12200000	--	1.2E+07	NA	NA	NA	520 U	NA	580 U
Carbazole	µg/kg	--	24300	2.4E+04	--	NA	NA	NA	520 U	NA	580 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	NA	NA	NA	520 U	NA	580 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	NA	NA	NA	520 U	NA	580 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	NA	NA	NA	520 U	NA	580 U
Di-n-butylphthalate	µg/kg	--	--	--	--	NA	NA	NA	520 U	NA	580 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	NA	NA	NA	520 U	NA	580 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	NA	NA	NA	520 U	NA	580 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	NA	NA	NA	520 U	NA	580 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	NA	NA	NA	2600 U	NA	2900 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	NA	NA	NA	520 U	NA	580 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	NA	NA	NA	520 U	NA	580 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	NA	NA	NA	520 U	NA	580 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	NA	NA	NA	520 U	NA	580 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	NA	NA	NA	2600 U	NA	2900 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	NA	NA	NA	1800 U	NA	2000 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	NA	NA	NA	520 U	NA	580 U
Hydrocarbons											
Motor Oils	mg/kg	--	--	--	--	NA	NA	NA	33	NA	12 U
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	NA	NA	NA	4 J	NA	12 U
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	NA	NA	NA	10 U	NA	9.5 U
Metals											
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	NA	NA	NA	9090	NA	12500
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	NA	NA	NA	13 U	NA	14 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	NA	NA	NA	2.9	NA	3.8
Barium	mg/kg	173	5.4E+03	--	5.4E+03	NA	NA	NA	107	NA	121
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	NA	NA	NA	0.83 U	NA	0.18 UJ

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA4 0.5'-1.0' bgs LJ141	PRL636-HA3 0.5'-1.0' bgs LJ142	PRL636-HA5 0.5'-1.0' bgs LJ143	PRL636-HA1 0.5'-1.5' bgs LJ144	PRL636-HA5 (dup) 0.5'-1.0' bgs LJ145	PRL636-HA2 1.0'-2.0' bgs LJ146
Metals, Continued											
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	NA	NA	NA	0.48	NA	0.88
Calcium	mg/kg	46000	--	--	--	NA	NA	NA	4550 J	NA	3760 J
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	NA	NA	NA	14.1	NA	11.9
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	NA	NA	NA	7.7	NA	5.7
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	NA	NA	NA	15.2	NA	7.6
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	NA	NA	NA	13900	NA	13500
Lead	mg/kg	15.1	1.5E+02	--	--	5.3	23.9	11.2	7.8	19.8	5.4
Magnesium	mg/kg	8370	--	--	--	NA	NA	NA	5100	NA	4660
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	NA	NA	NA	269	NA	218
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	NA	NA	NA	0.058	NA	0.051
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	NA	NA	NA	11.2	NA	9.8
Potassium	mg/kg	4890	--	--	--	NA	NA	NA	2340	NA	2930
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	NA	NA	NA	1.3 U	NA	1.4 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	NA	NA	NA	2.1 U	NA	2.3 U
Sodium	mg/kg	405	--	--	--	NA	NA	NA	420 UJ	NA	460 UJ
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	NA	NA	NA	1.7 U	NA	1.9 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	NA	NA	NA	25	NA	27.1
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	NA	NA	NA	61.8	NA	46.1
pH											
pH	pH Units	--	--	--	--	NA	NA	NA	8.74	NA	8.42

Notes:

µg/kg = micrograms per kilogram
mg/kg = miligrams per kilogram
-- = The regulatory threshold does not exist for the specified analyte.
U = The analyte was not detected above the detection limit shown.
J = The concentration is an estimate
NA = The sample was not analyzed for the specified analyte.

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA7 1.0' bgs LJ161	PRL636-HA6 1.0' bgs LJ162
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	4.9 U	5.2 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	4.9 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	4.9 U	5.2 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	4.9 U	5.2 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	4.9 UJ	5.2 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	4.9 U	5.2 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	4.9 U	5.2 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	4.9 U	5.2 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	4.9 U	5.2 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	4.9 UJ	5.2 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	98 U	100 U
2-Hexanone	µg/kg	--	--	--	--	49 UJ	52 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	49 UJ	52 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	98 U	100 U
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	4.9 U	5.2 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	4.9 U	5.2 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	4.9 U	5.2 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	4.9 U	5.2 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	4.9 U	5.2 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	4.9 UJ	5.2 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	4.9 U	5.2 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	4.9 U	5.2 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	4.9 U	5.2 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	4.9 U	5.2 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	4.9 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5.2 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	4.9 U	5.2 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	4.9 U	5.2 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	4.9 UJ	5.2 UJ
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	4.9 U	5.2 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	4.9 U	5.2 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	4.9 U	0.6 J
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	4.9 U	5.2 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	4.9 U	5.2 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	4.9 U	5.2 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	20 UJ	21 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	4.9 U	5.2 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	4.9 U	5.2 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	15 U	16 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	4.9 UJ	5.2 UJ
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	4.9 U	5.2 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	4.9 U	5.2 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	4.9 U	5.2 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	4.9 U	5.2 U
Semivolatile Organic Compounds (SVOCs)							
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	560 U	560 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	560 U	560 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	560 U	560 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	560 U	560 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	560 U	560 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	560 U	560 U

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA7 1.0' bgs LJ161	PRL636-HA6 1.0' bgs LJ162
SVOCs, Continued							
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	560 U	560 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	560 U	560 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	560 UJ	560 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2800 U	2800 UJ
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	560 U	560 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	560 U	560 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	560 U	560 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	560 U	560 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	560 U	560 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2800 U	2800 U
2-Nitrophenol	µg/kg	--	--	--	--	560 U	560 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	560 U	560 U
3-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2800 U	2800 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	560 U	560 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	560 U	560 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	560 U	560 U
4-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U
4-Nitrophenol	µg/kg	--	--	--	--	2800 U	2800 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	560 U	560 U
bis(2-chloroethyl)ether	µg/kg	--	211	2.1E+02	--	560 U	560 U
bis(2-ethylhexyl)phthalate	µg/kg	--	34700	3.5E+04	1.2E+06	560 U	46 J
Butylbenzylphthalate	µg/kg	--	12200000	--	1.2E+07	560 U	560 U
Carbazole	µg/kg	--	24300	2.4E+04	--	560 U	560 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	560 U	560 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	560 U	560 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	560 U	560 U
Di-n-butylphthalate	µg/kg	--	--	--	--	560 U	560 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	560 U	560 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	560 U	560 UJ
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	560 U	560 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2800 U	2800 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	560 U	560 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	560 U	560 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	560 U	560 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	560 U	560 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2800 U	2800 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	1900 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	560 U	560 U
Hydrocarbons							
Motor Oils	mg/kg	--	--	--	--	18	11 U
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	6 J	11 U
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	11 U	10 U
Metals							
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	8160	9790
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	14 U	13 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	3.9 UJ	3.2 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	57.1	69.7
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.9 U	0.9 U

Table 20. Analytical Results, PRL-636

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL636-HA7 1.0' bgs LJ161	PRL636-HA6 1.0' bgs LJ162
Metals, Continued							
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.21 UJ	0.56
Calcium	mg/kg	46000	--	--	--	4150	4460
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	11.6	9.4
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	14.4	4
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	23.8	4.3
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	15900	9830
Lead	mg/kg	15.1	1.5E+02	--	--	5.4	2.3
Magnesium	mg/kg	8370	--	--	--	4100	3620
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	233 J	161 J
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.073	0.019
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	10.4 J	7.4 J
Potassium	mg/kg	4890	--	--	--	793	1800
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.4 U	1.3 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	0.13 UJ	2.2 U
Sodium	mg/kg	405	--	--	--	137 UJ	450 U
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.8 U	1.8 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	23.8	25.9
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	51.3	28.9
pH							
pH	pH Units	--	--	--	--	7.13	8.25

Notes:

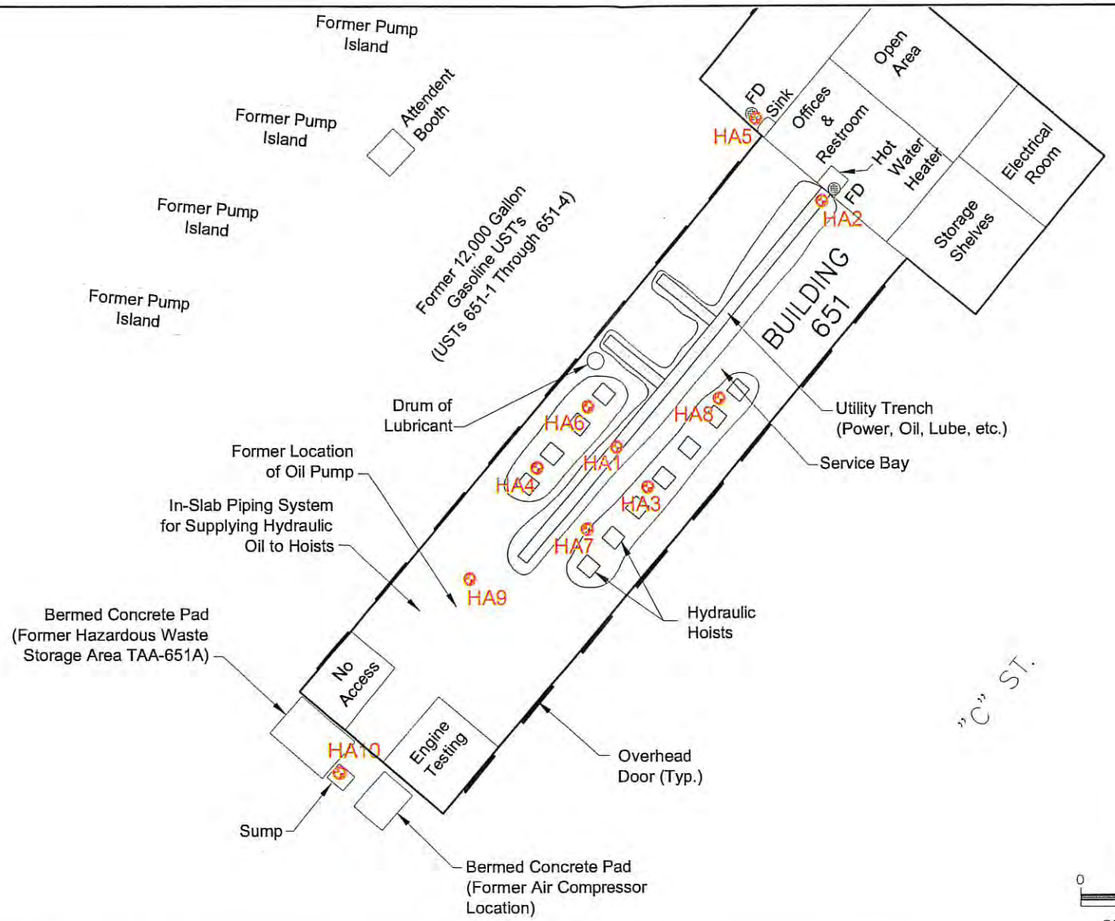
µg/kg = micrograms per kilogram
mg/kg = miligrams per kilogram
-- = The regulatory threshold does not exist for the specified analyte.
U = The analyte was not detected above the detection limit shown.
J = The concentration is an estimate
NA = The sample was not analyzed for the specified analyte.

PRL 651

Former Fuel Dispensing Area with Remains of Remediation Piping (Facing Southwest)

Staining around Hydraulic Hoist in Service Bay Near Soil Sample Borehole HA6

Staining around Trench in Service Bay Near Soil Sample Borehole HA1



LEGEND:

	Edge of Road
FD	Floor Drain
HA3	Hand Auger Soil Sample Location
	Sink
	Staining
(Typ.)	Typical

Background:
The building was identified as an exchange auto service and repair station in 1973.
Twelve locations of concern (LOCs) are associated with this site. UST 651-1, UST 651-2, UST 651-3, UST 651-4, UST 651-5, UST 651-6, UST 651-7, and AST 651 have been removed; no further action (NFA) was recommended. OWS 651-8 (SWMU/AOC 169) has been closed in place; the site was closed by the California Regional Water Quality Control Board (RWQCB), Santa Ana Region. RFA 164 was recommended for NFA; the RWQCB concurred. TAA 651A (SWMU/AOC 169) and TAA 651B are inactive.

Sampling and Analysis Summary:
Potential soil contamination associated with sumps and hydraulic hoists located at the building was investigated. Ten soil samples were collected from ten locations HA1 and HA2 at the surface, HA3 and HA4 at 3.0' below ground surface [bgs], HA5-HA9 at 1.0' bgs, and HA10 at 2.5' bgs. HA1, HA2, HA5, HA9, and HA10 were analyzed for VOCs, SVOCs, TPH, and metals. HA3, HA6, and HA8 were analyzed for VOCs, SVOCs, PCBs, TPH, and metals. HA4 and HA7 were analyzed for VOCs, SVOCs, PAHs, PCBs, TPH, and metals.

Analytical Results:
No analyte exceeded its respective residential preliminary remediation goal (PRG). TPH as motor oils and as extractables were detected at maximum concentrations of 420 mg/kg and 350 mg/kg, respectively, at location HA6.

Risk Screening:
The maximum concentration detected for each analyte from all samples collected at the site was used as the exposure point concentration and compared to EPA Region 9 PRGs to calculate the cumulative risk ratio. The results indicated no significant cancer risk. The noncancer risk was calculated to be 2.01, exceeding the accepted threshold of 1 (see table for summary). The primary contributors to the noncancr risk ratio were iron, aluminum, and manganese. The detected concentrations of these metals are of the same order of magnitude as background concentrations. Based on this, it is very likely the evidenced metals concentrations are indicative of background conditions.

Conclusion:
No further action was recommended and concurred with by EPA and DTSC per letters dated April 11, 2003.

Source:
Aerial Survey, OHM/SWDIV, 1997
Borehole Location Survey, Cal Vada, 2003

Building interior and exterior locations and details are approximate.

Risk Screening Results - Comparison to EPA Region 9 Residential PRGs and MCAS El Toro Background Values

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Cancer Risk Screening Value	Noncancer Risk Screening Value	Site-Wide Maximum Value	Site-Wide Maximum Location	Risk Ratio Cancer	Risk Ratio Noncancer
Volatile Organic Compounds (VOCs)								
Ethylbenzene	µg/kg	--	8.9E+03	1.9E+06	9	HA2@0.0'	<0.01	<0.01
Methylene Chloride	µg/kg	--	9.1E+03	2.0E+06	1	HA8@1.0'	<0.01	<0.01
Total Xylenes	µg/kg	--	--	2.8E+05	39	HA2@0.0'	--	<0.01
Semivolatile Organic Compounds (SVOCs)								
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	1.2E+06	44	HA6@1.0'	<0.01	<0.01
Metals								
Aluminum	mg/kg	14800	--	7.6E+04	32400	HA2@0.0'	--	0.43
Barium	mg/kg	173	--	5.4E+03	179	HA10@2.5'	--	0.03
Cobalt	mg/kg	6.98	9.0E+02	1.4E+03	16.8	HA2@0.0'	0.02	0.01
Copper	mg/kg	6.41	--	3.1E+03	13.5	HA2@0.0'	--	<0.01
Iron	mg/kg	18400	--	2.4E+04	**30500**	HA2@0.0'	--	1.30
Manganese	mg/kg	291	--	1.8E+03	391	HA2@0.0'	--	0.22
Nickel	mg/kg	15.3	--	1.6E+03	16.7	HA10@2.5'	--	0.01
Zinc	mg/kg	77.9	--	2.4E+04	83.8	HA2@0.0'	--	<0.01
				Cumulative Risk Ratio:			0.02	2.01

Notes: -- indicates the specified criteria does not exist. Bold indicates concentration above MCAS El Toro Background value or PRG value, whichever is higher.

Technical Memorandum — Final

Sampling and Analysis Results/Risk Screening PRL 651

Environmental Baseline Survey

Date: 08-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH, A tyco INTERNATIONAL LTD. COMPANY	21

File: M:\Projects\54506_(CTO-104)\EBS\CAD\Phase1_Investigation\Transferrable_PRLs\Tech Sheets\Final\PRL651_F.dwg Time: Aug 18, 2003 - 9:45am

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA5 1.0' bgs LJ172	PRL651-HA2 0.0' bgs LJ173	PRL651-HA8 1.0' bgs LJ174	PRL651-HA3 3.0' bgs LJ175	PRL651-HA1 0.0' bgs LJ176	PRL651-HA6 1.0' bgs LJ177
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	5.4 UJ	5.3 UJ	4.4 UJ	4.8 UJ	4.5 UJ	4.7 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	5.4 UJ	5.3 UJ	4.4 UJ	4.8 UJ	4.5 UJ	4.7 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	110 U	110 U	89 U	96 U	90 U	95 U
2-Hexanone	µg/kg	--	--	--	--	54 UJ	53 UJ	44 UJ	48 UJ	45 UJ	47 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	54 UJ	53 UJ	44 UJ	48 UJ	45 UJ	47 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	110 U	110 U	31 J	96 U	90 U	95 U
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	5.4 UJ	5.3 UJ	4.4 UJ	4.8 UJ	4.5 UJ	4.7 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	5.4 UJ	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	5.4 U	9	4.4 U	4.8 U	4.5 U	4.7 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	5.4 U	5.3 U	1 J	4.8 U	4.5 U	4.7 U
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	22 UJ	21 UJ	18 UJ	19 UJ	18 UJ	19 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	16 U	39	13 U	14 U	14 U	14 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	5.4 UJ	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	5.4 U	5.3 U	4.4 U	4.8 U	4.5 U	4.7 U
Semivolatile Organic Compounds (SVOCs)											
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	560 U	610 U	560 U	550 U	550 U	560 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	560 U	610 U	560 U	550 U	550 U	560 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	560 U	610 U	560 U	550 U	550 U	560 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	560 U	610 U	560 U	550 U	550 U	560 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	560 U	610 U	560 U	550 U	550 U	560 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	560 U	610 U	560 U	550 U	550 U	560 U

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA5 1.0' bgs LJ172	PRL651-HA2 0.0' bgs LJ173	PRL651-HA8 1.0' bgs LJ174	PRL651-HA3 3.0' bgs LJ175	PRL651-HA1 0.0' bgs LJ176	PRL651-HA6 1.0' bgs LJ177
SVOCs, Continued											
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	560 U	610 U	560 U	550 U	550 U	560 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	560 U	610 U	560 U	550 U	550 U	560 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	560 UJ	610 UJ	560 U	550 UJ	550 UJ	560 U
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2800 U	3100 UJ	2800 U	2700 U	2700 U	2800 UJ
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	560 U	610 U	560 U	550 U	550 U	560 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	560 U	610 U	560 U	550 U	550 U	560 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	560 U	610 U	560 U	550 U	550 U	560 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	560 U	610 U	560 U	550 U	550 U	560 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	560 U	610 U	560 U	550 U	550 U	560 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
2-Nitrophenol	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1200 U	1100 U	1100 U	1100 U	1100 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	560 U	610 U	560 U	550 U	550 U	560 U
3-Nitroaniline	µg/kg	--	--	--	--	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1200 U	1100 U	1100 U	1100 U	1100 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
4-Nitroaniline	µg/kg	--	--	--	--	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
4-Nitrophenol	µg/kg	--	--	--	--	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	560 U	610 U	560 U	550 U	550 U	560 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	560 U	610 U	560 U	550 U	550 U	44 J
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	560 U	610 U	560 U	550 U	550 U	560 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	560 U	610 U	560 U	550 U	550 U	560 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	560 U	610 U	560 U	550 U	550 U	560 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	560 U	610 U	560 U	550 U	550 U	560 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	560 U	610 U	560 U	550 U	550 U	560 U
Di-n-butylphthalate	µg/kg	--	--	--	--	560 U	610 U	560 U	550 U	550 U	560 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	560 U	610 U	560 U	550 U	550 U	560 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	560 U	610 UJ	560 U	550 U	550 U	560 UJ
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	560 U	610 U	560 U	550 U	550 U	560 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	560 U	610 U	560 U	550 U	550 U	560 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	560 U	610 U	560 U	550 U	550 U	560 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	560 U	610 U	560 U	550 U	550 U	560 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	560 U	610 U	560 U	550 U	550 U	560 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2800 U	3100 U	2800 U	2700 U	2700 U	2800 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	2100 U	1900 U	1900 U	1900 U	1900 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	560 U	610 U	560 U	550 U	550 U	560 U
Polynuclear Aromatic Hydrocarbons (PAHs)											
2-Methylnaphthalene	µg/kg	--	--	--	--	NA	NA	28 U	27 U	NA	28 U
Acenaphthene	µg/kg	--	3.7E+06	--	3.7E+06	NA	NA	28 U	27 U	NA	28 U
Acenaphthylene	µg/kg	--	--	--	--	NA	NA	28 U	27 U	NA	28 U
Anthracene	µg/kg	--	2.2E+07	--	2.2E+07	NA	NA	28 U	27 U	NA	28 U
Benzo(a)anthracene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 UJ	27 UJ	NA	28 UJ
Benzo(a)pyrene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	28 U	27 U	NA	28 U
Benzo(b)fluoranthene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 U	27 U	NA	28 U
Benzo(g,h,i)perylene	µg/kg	--	--	--	--	NA	NA	28 U	27 U	NA	28 U
Benzo(k)fluoranthene	µg/kg	--	3.8E+02	3.8E+02	--	NA	NA	28 UJ	27 UJ	NA	28 UJ

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA5 1.0' bgs LJ172	PRL651-HA2 0.0' bgs LJ173	PRL651-HA8 1.0' bgs LJ174	PRL651-HA3 3.0' bgs LJ175	PRL651-HA1 0.0' bgs LJ176	PRL651-HA6 1.0' bgs LJ177
PAHs, Continued											
Chrysene	µg/kg	--	3.8E+03	3.8E+03	--	NA	NA	28 UJ	27 UJ	NA	28 U
Dibenz(a,h)anthracene	µg/kg	--	6.2E+01	6.2E+01	--	NA	NA	28 U	27 U	NA	28 U
Fluoranthene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	28 U	27 U	NA	28 U
Fluorene	µg/kg	--	2.8E+06	--	2.8E+06	NA	NA	28 U	27 U	NA	28 U
Indeno(1,2,3-cd)pyrene	µg/kg	--	6.2E+02	6.2E+02	--	NA	NA	28 U	27 U	NA	28 U
Naphthalene	µg/kg	--	5.6E+04	--	5.6E+04	NA	NA	28 U	27 U	NA	28 U
Phenanthrene	µg/kg	--	--	--	--	NA	NA	28 UJ	27 UJ	NA	28 UJ
Pyrene	µg/kg	--	2.3E+06	--	2.3E+06	NA	NA	28 U	27 U	NA	28 U
Polychlorinated Biphenyls (PCBs)											
Aroclor 1016	µg/kg	--	3.9E+03	6.3E+03	3.9E+03	NA	NA	37 U	36 U	NA	37 U
Aroclor 1221	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	74 U	73 U	NA	74 U
Aroclor 1232	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	36 U	NA	37 U
Aroclor 1242	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	36 U	NA	37 U
Aroclor 1248	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	36 U	NA	37 U
Aroclor 1254	µg/kg	--	2.2E+02	2.2E+02	1.1E+03	NA	NA	37 U	36 U	NA	37 U
Aroclor 1260	µg/kg	--	2.2E+02	2.2E+02	--	NA	NA	37 U	36 U	NA	37 U
Hydrocarbons											
Motor Oils	mg/kg	--	--	--	--	11 U	12 U	21	4 J	11 U	420
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	11 U	12 U	32	5 J	11 U	350
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.3 U	11 U	9.1 U	9.7 U	8.9 U	9.5 U
Metals											
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	24700	32400	14400	18000	13300	21200
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	13 U	15 U	14 U	13 U	13 U	14 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	5.1 UJ	6.3 UJ	3.8 UJ	4.1 UJ	4.4 UJ	5.4 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	171	231	167	143	121	165
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.9 U	0.98 U	0.9 U	0.88 U	0.88 U	0.9 U
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.34 UJ	0.41	0.84	0.27 UJ	0.36 UJ	0.7
Calcium	mg/kg	46000	--	--	--	7390	7810	10500	5800	3620	5570
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	18.6	26.6	13.6	15.1	12.1	18
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	9.2	16.8	7.3	8	6.2	8.7
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	9.9	13.5	10.7	8	6.3	10.1
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	23900	30500	17100	19300	15100	21600
Lead	mg/kg	15.1	1.5E+02	--	--	4.6	5.7	4.2	5	2.7	6.2
Magnesium	mg/kg	8370	--	--	--	10700	13400	7650	7730	5630	8910
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	319 J	391 J	297 J	267 J	226 J	339 J
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.033	0.03	0.032	0.015	0.016	0.037
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	10.8 J	14 J	14.4 J	8.6 J	7.2 J	11.3 J
Potassium	mg/kg	4890	--	--	--	5190	7210	3810	4490	3430	5080
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.3 U	1.5 U	1.4 U	0.55 UJ	1.3 U	0.99 UJ
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.2 U	2.5 U	2.3 U	2.2 U	2.2 U	2.3 U
Sodium	mg/kg	405	--	--	--	450 U	65.8 UJ	99.9 UJ	440 U	440 U	450 U
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	57.7	71.7	40.8	44.3	36	53.1
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	64.7	83.8	55.1	55.4	41.8	62.7
pH											
pH	pH Units	--	--	--	--	8.58	8.25	8.08	8.17	7.52	7.92

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA7 1.0' bgs LJ178	PRL651-HA4 3.0' bgs LJ179	PRL651-HA9 1.0' bgs LJ180	PRL651-HA10 2.5' bgs LJ181
Volatile Organic Compounds (VOCs)									
1,1,1,2-Tetrachloroethane	µg/kg	--	3.2E+03	3.2E+03	5.2E+05	5 U	4.8 U	4.4 U	6 U
1,1,1-Trichloroethane	µg/kg	--	1.2E+06	--	2.0E+06	5 U	4.8 U	4.4 U	6 U
1,1,2,2-Tetrachloroethane	µg/kg	--	4.1E+02	4.1E+02	1.0E+06	5 U	4.8 U	4.4 U	6 U
1,1,2-Trichloroethane	µg/kg	--	7.3E+02	7.3E+02	3.6E+04	5 U	4.8 U	4.4 U	6 U
1,1,2-Trichlorotrifluoroethane	µg/kg	--	5.6E+06	--	2.1E+07	5 UJ	4.8 UJ	4.4 UJ	6 UJ
1,1-Dichloroethane	µg/kg	--	5.1E+05	--	5.1E+05	5 U	4.8 U	4.4 U	6 U
1,1-Dichloroethene	µg/kg	--	1.2E+05	--	1.2E+05	5 U	4.8 U	4.4 U	6 U
1,2-Dichloroethane	µg/kg	--	2.8E+02	2.8E+02	8.5E+03	5 U	4.8 U	4.4 U	6 U
1,2-Dichloropropane	µg/kg	--	3.4E+02	3.4E+02	6.0E+03	5 U	4.8 U	4.4 U	6 U
1,2-Dichlorotetrafluoroethane	µg/kg	--	--	--	--	5 UJ	4.8 UJ	4.4 UJ	6 UJ
2-Butanone	µg/kg	--	7.3E+06	--	7.3E+06	99 U	96 U	88 U	120 U
2-Hexanone	µg/kg	--	--	--	--	50 UJ	48 U	44 UJ	60 UJ
4-Methyl-2-pentanone	µg/kg	--	7.9E+05	--	7.9E+05	50 UJ	48 UJ	44 UJ	60 UJ
Acetone	µg/kg	--	1.6E+06	--	1.6E+06	99 U	96 U	88 U	120 U
Benzene	µg/kg	--	6.0E+02	6.0E+02	7.1E+03	5 U	4.8 U	4.4 U	6 U
Bromodichloromethane	µg/kg	--	8.2E+02	8.2E+02	2.2E+05	5 U	4.8 U	4.4 U	6 U
Bromoform	µg/kg	--	6.2E+04	6.2E+04	1.2E+06	5 U	4.8 U	4.4 U	6 U
Bromomethane	µg/kg	--	3.9E+03	--	3.9E+03	5 U	4.8 U	4.4 U	6 U
Carbon Disulfide	µg/kg	--	3.6E+05	--	3.6E+05	5 U	4.8 U	4.4 U	6 U
Carbon Tetrachloride	µg/kg	--	2.5E+02	2.5E+02	2.2E+03	5 UJ	4.8 UJ	4.4 UJ	6 UJ
Chlorobenzene	µg/kg	--	1.5E+05	--	1.5E+05	5 U	4.8 U	4.4 U	6 U
Chloroethane	µg/kg	--	3.0E+03	3.0E+03	5.0E+06	5 U	4.8 U	4.4 U	6 U
Chloroform	µg/kg	--	9.4E+02	9.4E+02	3.6E+03	5 U	4.8 U	4.4 U	6 U
Chloromethane	µg/kg	--	1.2E+03	1.2E+03	--	5 U	4.8 U	4.4 U	6 U
cis-1,2-Dichloroethene	µg/kg	--	4.3E+04	--	4.3E+04	5 U	4.8 U	4.4 U	6 U
cis-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5 U	4.8 U	4.4 U	6 U
Dibromochloromethane	µg/kg	--	1.1E+03	1.1E+03	3.8E+05	5 U	4.8 U	4.4 U	6 U
Dichlorodifluoromethane (Freon-12)	µg/kg	--	9.4E+04	--	9.4E+04	5 U	4.8 U	4.4 U	6 U
Di-isopropyl Ether (DIPE)	µg/kg	--	--	--	--	5 U	4.8 U	4.4 U	6 U
Ethyl tertiary butyl ether	µg/kg	--	--	--	--	5 U	4.8 U	4.4 U	6 U
Ethylbenzene	µg/kg	--	8.9E+03	8.9E+03	1.9E+06	5 U	4.8 U	4.4 U	6 U
Methylene Chloride	µg/kg	--	9.1E+03	9.1E+03	2.0E+06	5 U	4.8 UJ	4.4 U	0.9 J
Methyl-tert butyl ether (MTBE)	µg/kg	--	1.7E+04	1.7E+04	5.8E+06	5 U	4.8 U	4.4 U	6 U
Styrene	µg/kg	--	1.7E+06	--	4.4E+06	5 U	4.8 U	4.4 U	6 U
Tertiary amyl methyl ether	µg/kg	--	--	--	--	5 U	4.8 U	4.4 U	6 U
Tertiary Butyl Alcohol	µg/kg	--	--	--	--	20 UJ	19 UJ	18 UJ	24 UJ
Tetrachloroethene (PCE)	µg/kg	--	1.5E+03	1.5E+03	3.6E+05	5 U	4.8 U	4.4 U	6 U
Toluene	µg/kg	--	5.2E+05	--	6.6E+05	5 U	4.8 U	4.4 U	6 U
Total Xylenes	µg/kg	--	2.8E+05	--	2.8E+05	15 U	14 U	13 U	18 U
Trans-1,2-Dichloroethene	µg/kg	--	7.0E+04	--	7.0E+04	5 U	4.8 U	4.4 U	6 U
Trans-1,3-Dichloropropene	µg/kg	--	7.8E+02	7.8E+02	1.6E+04	5 U	4.8 U	4.4 U	6 U
Trichloroethene (TCE)	µg/kg	--	5.3E+01	5.3E+01	1.6E+04	5 U	4.8 U	4.4 U	6 U
Trichlorofluoromethane (Freon-11)	µg/kg	--	3.9E+05	--	3.9E+05	5 U	4.8 U	4.4 U	6 U
Vinyl Chloride	µg/kg	--	7.9E+01	7.9E+01	3.9E+04	5 U	4.8 U	4.4 U	6 U
Semivolatile Organic Compounds (SVOCs)									
1,2,4-Trichlorobenzene	µg/kg	--	6.5E+05	--	6.5E+05	560 U	560 U	570 U	620 U
1,2-Dichlorobenzene	µg/kg	--	3.7E+05	--	1.1E+06	560 U	560 U	570 U	620 U
1,3-Dichlorobenzene	µg/kg	--	1.6E+04	--	1.6E+04	560 U	560 U	570 U	620 U
1,4-Dichlorobenzene	µg/kg	--	3.5E+03	3.5E+03	4.8E+05	560 U	560 U	570 U	620 U
2,2'-Oxybis(1-chloropropane)	µg/kg	--	2.9E+03	2.9E+03	9.5E+05	560 U	560 U	570 U	620 U
2,4,5-Trichlorophenol	µg/kg	--	6.1E+06	--	6.1E+06	560 U	560 U	570 U	620 U

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA7 1.0' bgs LJ178	PRL651-HA4 3.0' bgs LJ179	PRL651-HA9 1.0' bgs LJ180	PRL651-HA10 2.5' bgs LJ181
SVOCs, Continued									
2,4,6-Trichlorophenol	µg/kg	--	6.1E+03	7.0E+03	6.1E+03	560 U	560 U	570 U	620 U
2,4-Dichlorophenol	µg/kg	--	1.8E+05	--	1.8E+05	560 U	560 U	570 U	620 U
2,4-Dimethylphenol	µg/kg	--	1.2E+06	--	1.2E+06	560 U	560 U	570 UJ	620 UJ
2,4-Dinitrophenol	µg/kg	--	1.2E+05	--	1.2E+05	2800 UJ	2800 UJ	2900 U	3100 U
2,4-Dinitrotoluene	µg/kg	--	1.2E+05	--	1.2E+05	560 U	560 U	570 U	620 U
2,6-Dinitrotoluene	µg/kg	--	6.1E+04	--	6.1E+04	560 U	560 U	570 U	620 U
2-Chloronaphthalene	µg/kg	--	4.9E+06	--	4.9E+06	560 U	560 U	570 U	620 U
2-Chlorophenol	µg/kg	--	6.3E+04	--	6.3E+04	560 U	560 U	570 U	620 U
2-Methylphenol	µg/kg	--	3.1E+06	--	3.1E+06	560 U	560 U	570 U	620 U
2-Nitroaniline	µg/kg	--	1.8E+03	--	1.8E+03	2800 U	2800 U	2900 U	3100 U
2-Nitrophenol	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
3,3'-Dichlorobenzidine	µg/kg	--	1.1E+03	1.1E+03	--	1100 U	1100 U	1100 U	1200 U
3/4-methylphenol	µg/kg	--	3.1E+05	--	3.1E+05	560 U	560 U	570 U	620 U
3-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U	2900 U	3100 U
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	2800 U	2800 U	2900 U	3100 U
4-Bromophenyl-phenylether	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
4-Chloroaniline	µg/kg	--	2.4E+05	--	2.4E+05	1100 U	1100 U	1100 U	1200 U
4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
4-Nitroaniline	µg/kg	--	--	--	--	2800 U	2800 U	2900 U	3100 U
4-Nitrophenol	µg/kg	--	--	--	--	2800 U	2800 U	2900 U	3100 U
bis(2-chlorethoxy)methane	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
bis(2-chloroethyl)ether	µg/kg	--	2.1E+02	2.1E+02	--	560 U	560 U	570 U	620 U
bis(2-ethylhexyl)phthalate	µg/kg	--	3.5E+04	3.5E+04	1.2E+06	560 U	560 U	570 U	620 U
Butylbenzylphthalate	µg/kg	--	1.2E+07	--	1.2E+07	560 U	560 U	570 U	620 U
Carbazole	µg/kg	--	2.4E+04	2.4E+04	--	560 U	560 U	570 U	620 U
Dibenzofuran	µg/kg	--	2.9E+05	--	2.9E+05	560 U	560 U	570 U	620 U
Diethylphthalate	µg/kg	--	4.9E+07	--	4.9E+07	560 U	560 U	570 U	620 U
Dimethylphthalate	µg/kg	--	1.0E+08	--	6.1E+08	560 U	560 U	570 U	620 U
Di-n-butylphthalate	µg/kg	--	--	--	--	560 U	560 U	570 U	620 U
Di-n-octylphthalate	µg/kg	--	2.4E+06	--	2.4E+06	560 U	560 U	570 U	620 U
Hexachlorobenzene	µg/kg	--	3.0E+02	3.0E+02	4.9E+04	560 UJ	560 UJ	570 U	620 U
Hexachlorobutadiene	µg/kg	--	6.2E+03	6.2E+03	1.8E+04	560 U	560 U	570 U	620 U
Hexachlorocyclopentadiene	µg/kg	--	3.7E+05	--	3.7E+05	2800 U	2800 U	2900 U	3100 U
Hexachloroethane	µg/kg	--	3.5E+04	3.5E+04	6.1E+04	560 U	560 U	570 U	620 U
Isophorone	µg/kg	--	5.1E+05	5.1E+05	1.2E+07	560 U	560 U	570 U	620 U
Nitrobenzene	µg/kg	--	2.0E+04	--	2.0E+04	560 U	560 U	570 U	620 U
n-Nitrosodi-n-propylamine	µg/kg	--	7.0E+01	7.0E+01	--	560 U	560 U	570 U	620 U
n-Nitroso-diphenylamine	µg/kg	--	9.9E+04	9.9E+04	--	2800 U	2800 U	2900 U	3100 U
Pentachlorophenol	µg/kg	--	3.0E+03	3.0E+03	1.4E+06	1900 U	1900 U	1900 U	2100 U
Phenol	µg/kg	--	3.7E+07	--	3.7E+07	560 U	560 U	570 U	620 U
Polynuclear Aromatic Hydrocarbons (PAHs)									
2-Methylnaphthalene	µg/kg	--	--	--	--	28 U	28 U	NA	NA
Acenaphthene	µg/kg	--	3.7E+06	--	3.7E+06	28 U	28 U	NA	NA
Acenaphthylene	µg/kg	--	--	--	--	28 U	28 U	NA	NA
Anthracene	µg/kg	--	2.2E+07	--	2.2E+07	28 U	28 U	NA	NA
Benzo(a)anthracene	µg/kg	--	6.2E+02	6.2E+02	--	28 UJ	28 UJ	NA	NA
Benzo(a)pyrene	µg/kg	--	6.2E+01	6.2E+01	--	28 U	28 U	NA	NA
Benzo(b)fluoranthene	µg/kg	--	6.2E+02	6.2E+02	--	28 U	28 U	NA	NA
Benzo(g,h,i)perylene	µg/kg	--	--	--	--	28 U	28 U	NA	NA
Benzo(k)fluoranthene	µg/kg	--	3.8E+02	3.8E+02	--	28 UJ	28 UJ	NA	NA

Table 21. Analytical Results, PRL-651

Analyte	Units	MCAS El Toro Background Value (95th quantile)	Residential Soil PRG	Residential Cancer Risk Screening Value	Residential Noncancer Risk Screening Value	PRL651-HA7 1.0' bgs LJ178	PRL651-HA4 3.0' bgs LJ179	PRL651-HA9 1.0' bgs LJ180	PRL651-HA10 2.5' bgs LJ181
PAHs, Continued									
Chrysene	µg/kg	--	3.8E+03	3.8E+03	--	28 UJ	28 UJ	NA	NA
Dibenz(a,h)anthracene	µg/kg	--	6.2E+01	6.2E+01	--	28 U	28 U	NA	NA
Fluoranthene	µg/kg	--	2.3E+06	--	2.3E+06	28 U	28 U	NA	NA
Fluorene	µg/kg	--	2.8E+06	--	2.8E+06	28 U	28 U	NA	NA
Indeno(1,2,3-cd)pyrene	µg/kg	--	6.2E+02	6.2E+02	--	28 U	28 U	NA	NA
Naphthalene	µg/kg	--	5.6E+04	--	5.6E+04	28 U	28 U	NA	NA
Phenanthrene	µg/kg	--	--	--	--	28 UJ	28 UJ	NA	NA
Pyrene	µg/kg	--	2.3E+06	--	2.3E+06	28 U	28 U	NA	NA
Polychlorinated Biphenyls (PCBs)									
Aroclor 1016	µg/kg	--	3.9E+03	6.3E+03	3.9E+03	37 U	37 U	NA	NA
Aroclor 1221	µg/kg	--	2.2E+02	2.2E+02	--	74 U	74 U	NA	NA
Aroclor 1232	µg/kg	--	2.2E+02	2.2E+02	--	37 U	37 U	NA	NA
Aroclor 1242	µg/kg	--	2.2E+02	2.2E+02	--	37 U	37 U	NA	NA
Aroclor 1248	µg/kg	--	2.2E+02	2.2E+02	--	37 U	37 U	NA	NA
Aroclor 1254	µg/kg	--	2.2E+02	2.2E+02	1.1E+03	37 U	37 U	NA	NA
Aroclor 1260	µg/kg	--	2.2E+02	2.2E+02	--	37 U	37 U	NA	NA
Hydrocarbons									
Motor Oils	mg/kg	--	--	--	--	4 J	11 U	16	30
Total Extractable Petroleum Hydrocarbons	mg/kg	--	--	--	--	11 U	11 U	5 J	5 J
Total Volatile Petroleum Hydrocarbons	mg/kg	--	--	--	--	9.3 U	8.7 U	9.9 U	10 U
Metals									
Aluminum	mg/kg	14800	7.6E+04	--	7.6E+04	20500	9710	17100	20600
Antimony	mg/kg	3.06	3.1E+01	--	3.1E+01	14 U	14 U	14 U	15 U
Arsenic	mg/kg	6.86	3.9E-01	3.9E-01	2.2E+01	4.2 UJ	2.9 UJ	4.4 UJ	3.9 UJ
Barium	mg/kg	173	5.4E+03	--	5.4E+03	178	132	131	179
Berillium	mg/kg	0.669	1.5E+02	1.1E+03	1.5E+02	0.9 U	0.9 U	0.91 U	0.99 U
Cadmium	mg/kg	2.35	1.7E+00	1.7E+00	1.7E+00	0.54	0.6	0.75	0.77
Calcium	mg/kg	46000	--	--	--	9420	7520	5740	9490
Chromium	mg/kg	26.9	2.1E+02	2.1E+02	--	19.5	9.7	15.2	17.9
Cobalt	mg/kg	6.98	9.0E+02	9.0E+02	1.4E+03	8.4	6.1	7.5	9.2
Copper	mg/kg	6.41	3.1E+03	--	3.1E+03	9.1	6.6	9.2	9.8
Iron	mg/kg	18400	2.4E+04	--	2.4E+04	20700	13500	18900	21000
Lead	mg/kg	15.1	1.5E+02	--	--	4.1	3.5	8.3	5.3
Magnesium	mg/kg	8370	--	--	--	9000	5800	7710	8740
Manganese	mg/kg	291	1.8E+03	--	1.8E+03	304 J	234 J	202 J	313 J
Mercury	mg/kg	0.22	2.4E+01	--	2.4E+01	0.033	0.019	0.029	0.049
Nickel	mg/kg	15.3	1.6E+03	--	1.6E+03	10.6 J	8.8 J	10 J	16.7 J
Potassium	mg/kg	4890	--	--	--	4580	3170	4550	4840
Selenium	mg/kg	0.32	3.9E+02	--	3.9E+02	1.4 U	1.4 U	0.47 UJ	1.5 U
Silver	mg/kg	0.539	3.9E+02	--	3.9E+02	2.3 U	2.3 U	2.3 U	2.5 U
Sodium	mg/kg	405	--	--	--	450 U	74.5 UJ	460 U	490 U
Thallium	mg/kg	0.42	5.2E+00	--	5.2E+00	1.8 U	1.8 U	1.8 U	2 U
Vanadium	mg/kg	71.8	5.5E+02	--	5.5E+02	50.7	31.4	44.1	51.3
Zinc	mg/kg	77.9	2.4E+04	--	2.4E+04	62.8	42.8	60.9	61.8
pH									
pH	pH Units	--	--	--	--	8.14	7.21	7.79	8.06

Notes:

µg/kg = micrograms per kilogram

mg/kg = miligrams per kilogram

-- = The regulatory threshold does not exist for the specified analyte.

U = The analyte was not detected above the detection limit shown.

J = The concentration is an estimate

NA = The sample was not analyzed for the specified analyte.

PRL RUNWAYS/AIRFIELD OPRATIONS AREA