Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-11B**		**RG-11B**		**RG-11B**		**RG-11B-2**		**RG-11B-2**		**RP-109B**		**RP-109B**	
	Sample Date:	**10/15/04**		**03/24/05**		**04/13/05**		**04/01/05**		**05/12/05**		**10/13/04**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31347**		**31518**		**31650**		**31582**		**31677**		**31320**		**31617**	
	Lab Batch:	**0410883**		**0503005**		**0503689**		**0503246**		**0504836**		**0410778**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	NT		NT		NT		NT		NT		NT		NT	
E160.1															
Total Dissolved Solids (TDS)	mg/l	NT		NT		NT		NT		NT		NT		NT	
E200.8															
Antimony-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Antimony-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Arsenic-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Arsenic-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Beryllium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Beryllium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cadmium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cadmium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Lead-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Lead-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Selenium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Selenium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Silver-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Thallium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tin-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Zinc-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Zinc-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
E300.0															
Bromide	mg/l	NT		NT		NT		NT		NT		NT		NT	
Chloride	mg/l	NT		NT		NT		NT		NT		NT		NT	
Fluoride	mg/l	NT		NT		NT		NT		NT		NT		NT	
Nitrate (as NO3)	mg/l	NT		NT		NT		NT		NT		NT		NT	
Nitrate as N	mg/l	NT		NT		NT		NT		NT		NT		NT	
Sulfate	mg/l	NT		NT		NT		NT		NT		NT		NT	
E310.1															
Bicarbonate Alkalinity as CaCO3	mg/l	NT		NT		NT		NT		NT		NT		NT	
EPA8081															
gamma-Chlordane	µg/l	NT		NT		NT		NT		ND(0.01)	/UD	NT		NT	
Heptachlor epoxide	µg/l	NT		NT		NT		NT		ND(0.01)	/UD	NT		NT	
SW6010															
Aluminum-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Barium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Barium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Calcium-D	mg/l	NT		NT		NT		NT		NT		NT		NT	
Calcium-T	mg/l	NT		NT		NT		NT		NT		NT		NT	
Chromium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-11B**		**RG-11B**		**RG-11B**		**RG-11B-2**		**RG-11B-2**		**RP-109B**		**RP-109B**	
	Sample Date:	**10/15/04**		**03/24/05**		**04/13/05**		**04/01/05**		**05/12/05**		**10/13/04**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31347**		**31518**		**31650**		**31582**		**31677**		**31320**		**31617**	
	Lab Batch:	**0410883**		**0503005**		**0503689**		**0503246**		**0504836**		**0410778**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chromium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Copper-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Copper-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Iron-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Iron-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Magnesium-D	mg/l	NT		NT		NT		NT		NT		NT		NT	
Magnesium-T	mg/l	NT		NT		NT		NT		NT		NT		NT	
Manganese-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Manganese-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Molybdenum-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Molybdenum-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nickel-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nickel-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
Potassium-D	mg/l	NT		NT		NT		NT		NT		NT		NT	
Potassium-T	mg/l	NT		NT		NT		NT		NT		NT		NT	
Sodium-D	mg/l	NT		NT		NT		NT		NT		NT		NT	
Sodium-T	mg/l	NT		NT		NT		NT		NT		NT		NT	
Vanadium-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Vanadium-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW7470															
Mercury-D	µg/l	NT		NT		NT		NT		NT		NT		NT	
Mercury-T	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8015B-DI															
Ethylene glycol	µg/l	NT		NT		NT		**23,000.**		NT		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		NT		NT		NT		NT	
TPH-Motor Oil	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8260															
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	**0.59**	**/N**	NT		NT		NT		NT		NT		NT	
Benzene	µg/l	**0.20**	**/J**	ND(0.50)	/U	NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
Carbon disulfide	µg/l	ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)	/U	NT		ND(1.0)	/U	ND(1.0)	/U
Chlorotrifluoroethene	µg/l	**0.44**	**/J**	**0.87**		NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
Freon 11	µg/l	**0.37**	**/J**	**0.36**	**/J**	NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
Freon 113	µg/l	**0.29**	**/J**	**0.59**		NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
Freon 12	µg/l	**0.41**	**/J**	**0.83**		NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
Isobutane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown compound @ 4_89 r_t	µg/l	NT		NT		NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U	NT		ND(0.50)	/U	ND(0.50)	/U
SW8270															
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Cyclohexyl-2-methyl-prop-2-en-1-one	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-11B**		**RG-11B**		**RG-11B**		**RG-11B-2**		**RG-11B-2**		**RP-109B**		**RP-109B**	
	Sample Date:	**10/15/04**		**03/24/05**		**04/13/05**		**04/01/05**		**05/12/05**		**10/13/04**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31347**		**31518**		**31650**		**31582**		**31677**		**31320**		**31617**	
	Lab Batch:	**0410883**		**0503005**		**0503689**		**0503246**		**0504836**		**0410778**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
4,4'-Butylidenebis_2_-Phenol Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	ND(14.)	/UD	NT		**6.3**	**/B**	NT		ND(5.0)	/U	NT		NT	
Cholesterol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclic octaatomic sulfur	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	**3.3**	**/JD**	NT		ND(2.0)	/U	NT		ND(2.0)	/U	NT		NT	
Di-n-butyl phthalate	µg/l	ND(5.7)	/UD	NT		ND(2.0)	/U	NT		ND(2.0)	/U	NT		NT	
n-Hexadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Oleic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
Benzo(a)anthracene	µg/l	NT		NT		NT		NT		**0.094**	**/JBB**	NT		NT	
Benzo(ghi)perylene	µg/l	NT		NT		NT		NT		**0.023**	**/J**	NT		NT	
bis(2-Chloroethyl) ether	µg/l	NT		NT		NT		NT		ND(0.10)	/U	NT		NT	
Fluoranthene	µg/l	NT		NT		NT		NT		ND(0.10)	/U	NT		NT	
Fluorene	µg/l	NT		NT		NT		NT		**0.017**	**/J**	NT		NT	
Naphthalene	µg/l	NT		NT		NT		NT		ND(0.10)	/U	NT		NT	
N-Nitrosodimethylamine	µg/l	NT		NT		NT		NT		**0.061**		NT		NT	
N-Nitrosodinpropylamine	µg/l	NT		NT		NT		NT		**0.28**		NT		NT	
SW8290															
OCDD	pg/l	NT		NT		NT		NT		NT		NT		NT	

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RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RP-17B		RP-17B		SW-47		SW-47		WP-7S		WP-7S		WP-7S	
	Sample Date:	10/13/04		04/07/05		10/15/04		03/24/05		10/20/04		11/10/04		03/24/05	
	Sample Depth (feet):														
	Sample Number:	31321		31618		31349		31519		31370		31457		31521	
	Lab Batch:	0410778		0503484		0410883		0503005		0411045		0412035		0503005	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	NT		NT		7.2		7.22		NT		NT		NT	
E160.1															
Total Dissolved Solids (TDS)	mg/l	NT		NT		15,000.	/D	16,000.	/D	NT		NT		NT	
E200.8															
Antimony-D	µg/l	NT		NT		1.9	/J	ND(10.)	/UD	NT		NT		NT	
Antimony-T	µg/l	NT		NT		2.6	/JD	ND(10.)	/UD	NT		NT		NT	
Arsenic-D	µg/l	NT		NT		39.		25.	/D	NT		NT		NT	
Arsenic-T	µg/l	NT		NT		31.	/D	23.	/D	NT		NT		NT	
Beryllium-D	µg/l	NT		NT		0.039	J-/J	ND(5.0)	/UD	NT		NT		NT	
Beryllium-T	µg/l	NT		NT		ND(5.0)	/UD	0.32	/JD	NT		NT		NT	
Cadmium-D	µg/l	NT		NT		0.46	/JB	1.2	/JD	NT		NT		NT	
Cadmium-T	µg/l	NT		NT		0.28	/JD	1.6	/JD	NT		NT		NT	
Lead-D	µg/l	NT		NT		0.18	/J	2.5	/JD	NT		NT		NT	
Lead-T	µg/l	NT		NT		7.7	/D	8.9	/D	NT		NT		NT	
Selenium-D	µg/l	NT		NT		130.	J+	110.	/D	NT		NT		NT	
Selenium-T	µg/l	NT		NT		42.	/D	80.	/D	NT		NT		NT	
Silver-T	µg/l	NT		NT		0.09	/JD	ND(5.0)	/UD	NT		NT		NT	
Thallium-T	µg/l	NT		NT		1.0	/JD	ND(5.0)	/UD	NT		NT		NT	
Tin-T	µg/l	NT		NT		2.6	/JD	ND(5.0)	/UD	NT		NT		NT	
Zinc-D	µg/l	NT		NT		59.		170.	/D	NT		NT		NT	
Zinc-T	µg/l	NT		NT		87.	/D	20.	/JD	NT		NT		NT	
E300.0															
Bromide	mg/l	NT		NT		27.	J-/D	36.	/D	NT		NT		NT	
Chloride	mg/l	NT		NT		1,800.	J-/D	2,300.	/D	NT		NT		NT	
Fluoride	mg/l	NT		NT		ND(2.5)	R/UD	0.60	/JD	NT		NT		NT	
Nitrate (as NO3)	mg/l	NT		NT		ND(22.)	R/UD	ND(8.8)	/UD	NT		NT		NT	
Nitrate as N	mg/l	NT		NT		ND(5.0)	R/UD	ND(2.0)	/UD	NT		NT		NT	
Sulfate	mg/l	NT		NT		9,400.	J-/D	8,700.	/D	NT		NT		NT	
E310.1															
Bicarbonate Alkalinity as CaCO3	mg/l	NT		NT		910.	/D	840.	/D	NT		NT		NT	
EPA8081															
gamma-Chlordane	µg/l	NT		NT		ND(0.0056)	/UD	ND(0.005)	/U	NT		NT		NT	
Heptachlor epoxide	µg/l	NT		NT		ND(0.0056)	/UD	ND(0.005)	/U	NT		NT		NT	
SW6010															
Aluminum-T	µg/l	NT		NT		310.	/D	ND(250.)	/UD	NT		NT		NT	
Barium-D	µg/l	NT		NT		12.	/JD	110.	/D	NT		NT		NT	
Barium-T	µg/l	NT		NT		39.	/JD	19.	/JD	NT		NT		NT	
Calcium-D	mg/l	NT		NT		540.	/D	530.	/D	NT		NT		NT	
Calcium-T	mg/l	NT		NT		480.	/D	520.	/D	NT		NT		NT	
Chromium-D	µg/l	NT		NT		39.	/JDB	ND(50.)	/UD	NT		NT		NT	

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RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RP-17B**		**RP-17B**		**SW-47**		**SW-47**		**WP-7S**		**WP-7S**		**WP-7S**	
	Sample Date:	**10/13/04**		**04/07/05**		**10/15/04**		**03/24/05**		**10/20/04**		**11/10/04**		**03/24/05**	
	Sample Depth (feet):														
	Sample Number:	**31321**		**31618**		**31349**		**31519**		**31370**		**31457**		**31521**	
	Lab Batch:	**0410778**		**0503484**		**0410883**		**0503005**		**0411045**		**0412035**		**0503005**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chromium-T	µg/l	NT		NT		**120.**	**/D**	**54.**	**/D**	NT		NT		NT	
Copper-D	µg/l	NT		NT		**4.5**	**/JD**	**5.9**	**/JD**	NT		NT		NT	
Copper-T	µg/l	NT		NT		**47.**	**/JD**	ND(50.)	/UD	NT		NT		NT	
Iron-D	µg/l	NT		NT		**24,000.**	**/DB**	**570.**	**/D**	NT		NT		NT	
Iron-T	µg/l	NT		NT		**150,000.**	**/D**	**1,500.**	**/D**	NT		NT		NT	
Magnesium-D	mg/l	NT		NT		**1,500.**	**/D**	**1,600.**	**/D**	NT		NT		NT	
Magnesium-T	mg/l	NT		NT		**1,500.**	**/D**	**1,600.**	**/D**	NT		NT		NT	
Manganese-D	µg/l	NT		NT		**1,900.**	**/D**	**1,500.**	**/D**	NT		NT		NT	
Manganese-T	µg/l	NT		NT		**2,100.**	**/D**	**1,500.**	**/D**	NT		NT		NT	
Molybdenum-D	µg/l	NT		NT		**210.**	**/JD**	**210.**	**/JD**	NT		NT		NT	
Molybdenum-T	µg/l	NT		NT		**320.**	**/D**	**200.**	**/JD**	NT		NT		NT	
Nickel-D	µg/l	NT		NT		**94.**	**/D**	**220.**	**/D**	NT		NT		NT	
Nickel-T	µg/l	NT		NT		**220.**	**/D**	**250.**	**/D**	NT		NT		NT	
Potassium-D	mg/l	NT		NT		**82.**	**/D**	**97.**	**/D**	NT		NT		NT	
Potassium-T	mg/l	NT		NT		**87.**	**/D**	**84.**	**/D**	NT		NT		NT	
Sodium-D	mg/l	NT		NT		**2,300.**	**/D**	**2,300.**	**/D**	NT		NT		NT	
Sodium-T	mg/l	NT		NT		**2,200.**	**/D**	**2,200.**	**/D**	NT		NT		NT	
Vanadium-D	µg/l	NT		NT		**22.**	**/JD**	**14.**	**/JD**	NT		NT		NT	
Vanadium-T	µg/l	NT		NT		**19.**	**/JD**	**45.**	**/JD**	NT		NT		NT	
SW7470															
Mercury-D	µg/l	NT		NT		ND(0.20)	/U	**0.082**	**/J**	NT		NT		NT	
Mercury-T	µg/l	NT		NT		ND(0.20)	/U	**0.055**	**/J**	NT		NT		NT	
SW8015B-DI															
Ethylene glycol	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		ND(200.)	/U	NT		NT		NT	
TPH-Motor Oil	µg/l	NT		NT		NT		**210.**	**/J**	NT		NT		NT	
SW8260															
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT		**6.2**	**/N**	NT		NT		NT		NT	
Benzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Carbon disulfide	µg/l	ND(1.0)	/U	ND(1.0)	/U	**0.37**	**/J**	ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)	/U
Chlorotrifluoroethene	µg/l	ND(0.50)	/U	ND(0.50)	/U	**180.**	**/D**	**150.**	**/D**	ND(0.50)	/U	NT		ND(0.50)	/U
Freon 11	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	**0.32**	**/J**	ND(0.50)	/U	NT		ND(0.50)	/U
Freon 113	µg/l	ND(0.50)	/U	ND(0.50)	/U	**2.5**		**8.7**		ND(0.50)	/U	NT		ND(0.50)	/U
Freon 12	µg/l	ND(0.50)	/U	ND(0.50)	/U	**18.**		**19.**		ND(0.50)	/U	NT		ND(0.50)	/U
Isobutane	µg/l	NT		NT		**1.4**	**/N**	NT		NT		NT		NT	
Unknown compound @ 4_89 r_t	µg/l	NT		NT		NT		**0.94**	**/NJ**	NT		NT		NT	
Vinyl Chloride	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	**0.20**	**/J**	ND(0.50)	/U	NT		ND(0.50)	/U
SW8270															
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		**6.0**	**/NJ**	NT		NT		NT	
1-Cyclohexyl-2-methyl-prop-2-en-1-one	µg/l	NT		NT		NT		NT		NT		NT		**7.0**	**/NJ**

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RP-17B**		**RP-17B**		**SW-47**		**SW-47**		**WP-7S**		**WP-7S**		**WP-7S**	
	Sample Date:	**10/13/04**		**04/07/05**		**10/15/04**		**03/24/05**		**10/20/04**		**11/10/04**		**03/24/05**	
	Sample Depth (feet):														
	Sample Number:	**31321**		**31618**		**31349**		**31519**		**31370**		**31457**		**31521**	
	Lab Batch:	**0410778**		**0503484**		**0410883**		**0503005**		**0411045**		**0412035**		**0503005**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
4,4'-Butylidenebis_2_-Phenol Compound	µg/l	NT		NT		NT		**23.**	**/NJ**	NT		NT		**140.**	**/NJ**
bis(2-Ethylhexyl) phthalate	µg/l	NT		NT		**3.8**	**/J**	**8.2**	**/B**	NT		ND(5.0)	/U	**7.7**	**/B**
Cholesterol	µg/l	NT		NT		**670.**	**/N**	NT		NT		NT		NT	
Cyclic octaatomic sulfur	µg/l	NT		NT		**840.**	**/N**	NT		NT		NT		NT	
Diethyl phthalate	µg/l	NT		NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U	**0.67**	**/J**
Di-n-butyl phthalate	µg/l	NT		NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U	ND(2.0)	/U
n-Hexadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		**6.0**	**/NJ**
Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		**5.4**	**/NJ**
Oleic acid	µg/l	NT		NT		NT		NT		NT		NT		**5.2**	**/NJ**
SW8270C-SIM															
Benzo(a)anthracene	µg/l	NT		NT		ND(0.012)	U/JD	**0.011**	**/J**	NT		NT		ND(0.10)	/U
Benzo(ghi)perylene	µg/l	NT		NT		ND(0.11)	/UD	ND(0.10)	/U	NT		NT		ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	NT		NT		ND(0.11)	/UD	**0.017**	**/J**	NT		NT		ND(0.10)	/U
Fluoranthene	µg/l	NT		NT		ND(0.11)	/UD	ND(0.10)	/U	NT		NT		**0.013**	**/J**
Fluorene	µg/l	NT		NT		ND(0.11)	/UD	ND(0.10)	/U	NT		NT		ND(0.10)	/U
Naphthalene	µg/l	NT		NT		ND(0.11)	/UD	**0.014**	**/J**	NT		NT		**0.014**	**/J**
N-Nitrosodimethylamine	µg/l	NT		NT		ND(0.022)	/UD	ND(0.02)	/U	NT		NT		NT	
N-Nitrosodinpropylamine	µg/l	NT		NT		ND(0.18)	U/DB	**0.24**		NT		NT		**0.29**	
SW8290															
OCDD	pg/l	NT		NT		NT		**10.6**	**/J**	NT		NT		NT	

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	WP-7S		WP-7S	
	Sample Date:	03/25/05		04/13/05	
	Sample Depth (feet):				
	Sample Number:	31525		31652	
	Lab Batch:	0503033		0503689	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual
E150.1					
pH	ph	NT		7.3	
E160.1					
Total Dissolved Solids (TDS)	mg/l	NT		18,000.	/D
E200.8					
Antimony-D	µg/l	NT		ND(10.)	/UD
Antimony-T	µg/l	NT		0.69	/J
Arsenic-D	µg/l	NT		33.	/D
Arsenic-T	µg/l	NT		27.	
Beryllium-D	µg/l	NT		0.28	/JD
Beryllium-T	µg/l	NT		ND(1.0)	/U
Cadmium-D	µg/l	NT		0.73	/JD
Cadmium-T	µg/l	NT		0.75	/J
Lead-D	µg/l	NT		ND(5.0)	/UD
Lead-T	µg/l	NT		0.41	/J
Selenium-D	µg/l	NT		470.	/D
Selenium-T	µg/l	NT		560.	
Silver-T	µg/l	NT		0.61	/J
Thallium-T	µg/l	NT		ND(1.0)	/U
Tin-T	µg/l	NT		0.37	/J
Zinc-D	µg/l	NT		200.	/D
Zinc-T	µg/l	NT		95.	
E300.0					
Bromide	mg/l	NT		11.	/D
Chloride	mg/l	NT		2,900.	/D
Fluoride	mg/l	NT		ND(1.0)	/UD
Nitrate (as NO3)	mg/l	NT		80.	/D
Nitrate as N	mg/l	NT		18.	/D
Sulfate	mg/l	NT		10,000.	/D
E310.1					
Bicarbonate Alkalinity as CaCO3	mg/l	NT		600.	/D
EPA8081					
gamma-Chlordane	µg/l	NT		0.24	
Heptachlor epoxide	µg/l	NT		0.11	
SW6010					
Aluminum-T	µg/l	NT		ND(250.)	/UD
Barium-D	µg/l	NT		80.	/D
Barium-T	µg/l	NT		16.	/JD
Calcium-D	mg/l	NT		510.	/D
Calcium-T	mg/l	NT		520.	/DB
Chromium-D	µg/l	NT		48.	/JD

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-7S**		**WP-7S**	
	Sample Date:	**03/25/05**		**04/13/05**	
	Sample Depth (feet):				
	Sample Number:	**31525**		**31652**	
	Lab Batch:	**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual
Chromium-T	µg/l	NT		ND(50.)	/UD
Copper-D	µg/l	NT		**7.8**	**/JD**
Copper-T	µg/l	NT		**20.**	**/JDB**
Iron-D	µg/l	NT		ND(250.)	/UD
Iron-T	µg/l	NT		**840.**	**/D**
Magnesium-D	mg/l	NT		**1,800.**	**/D**
Magnesium-T	mg/l	NT		**1,900.**	**/DB**
Manganese-D	µg/l	NT		ND(50.)	/UD
Manganese-T	µg/l	NT		**32.**	**/JD**
Molybdenum-D	µg/l	NT		**140.**	**/JD**
Molybdenum-T	µg/l	NT		**160.**	**/JD**
Nickel-D	µg/l	NT		**140.**	**/D**
Nickel-T	µg/l	NT		**98.**	**/D**
Potassium-D	mg/l	NT		**68.**	**/D**
Potassium-T	mg/l	NT		**75.**	**/D**
Sodium-D	mg/l	NT		**2,500.**	**/D**
Sodium-T	mg/l	NT		**2,600.**	**/D**
Vanadium-D	µg/l	NT		ND(50.)	/UD
Vanadium-T	µg/l	NT		**30.**	**/JD**
SW7470					
Mercury-D	µg/l	NT		ND(0.20)	/U
Mercury-T	µg/l	NT		**0.048**	**/J**
SW8015B-DI					
Ethylene glycol	µg/l	NT		NT	
SW8015M					
Diesel Range Organics (C12 - C24)	µg/l	NT		**110.**	**/J**
TPH-Motor Oil	µg/l	NT		ND(500.)	/U
SW8260					
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT	
Benzene	µg/l	NT		NT	
Carbon disulfide	µg/l	NT		NT	
Chlorotrifluoroethene	µg/l	NT		NT	
Freon 11	µg/l	NT		NT	
Freon 113	µg/l	NT		NT	
Freon 12	µg/l	NT		NT	
Isobutane	µg/l	NT		NT	
Unknown compound @ 4_89 r_t	µg/l	NT		NT	
Vinyl Chloride	µg/l	NT		NT	
SW8270					
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT	
1-Cyclohexyl-2-methyl-prop-2-en-1-one	µg/l	NT		NT	

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-7S**		**WP-7S**	
	Sample Date:	**03/25/05**		**04/13/05**	
	Sample Depth (feet):				
	Sample Number:	**31525**		**31652**	
	Lab Batch:	**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual
4,4'-Butylidenebis_2_-Phenol Compound	µg/l	**160.**	**/NJ**	NT	
bis(2-Ethylhexyl) phthalate	µg/l	**6.5**	**/B**	NT	
Cholesterol	µg/l	NT		NT	
Cyclic octaatomic sulfur	µg/l	NT		NT	
Diethyl phthalate	µg/l	**0.63**	**/J**	NT	
Di-n-butyl phthalate	µg/l	**0.57**	**/J**	NT	
n-Hexadecanoic acid	µg/l	NT		NT	
Octadecanoic acid	µg/l	NT		NT	
Oleic acid	µg/l	NT		NT	
SW8270C-SIM					
Benzo(a)anthracene	µg/l	NT		NT	
Benzo(ghi)perylene	µg/l	NT		NT	
bis(2-Chloroethyl) ether	µg/l	NT		NT	
Fluoranthene	µg/l	NT		NT	
Fluorene	µg/l	NT		NT	
Naphthalene	µg/l	NT		NT	
N-Nitrosodimethylamine	µg/l	NT		NT	
N-Nitrosodinpropylamine	µg/l	NT		NT	
SW8290					
OCDD	pg/l	NT		NT	

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

Summary of Analyte Qualifiers Used in this Report

Type	Qualifier	Qualifier Description	Qualifiers are listed as validation qualifier / lab qualifier where applicable (e.g.B/R)
Laboratory Assigned Qualifiers			
Inorganic	B	Compound is also detected in the laboratory method blank..	
Inorganic	U	Compound was analyzed for but not detected.	
Organic	B	Compound is also detected in the laboratory method blank.	
Organic	D	Compound is identified in an analysis at a secondary dilution factor.	
Organic	J	Result is detected below the reporting limit or is an estimated concentration.	
Organic	U	Compound was analyzed for but not detected.	
MACTEC Validation Assigned Qualifiers			
Inorganic	J-	Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.	
Inorganic	J+	Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.	
Inorganic	R	Data are qualified as rejected. There was a significant potential for reporting of false negatives or false positives.	
Organic	U	Data are qualified as nondetected, because the analyte was observed in an associated laboratory or field blank.	

Notes: Where validation qualifiers are absent, data was used for screening purposes only

Table G-17a. Detected Compounds in the North Perimeter and North Drainage Wells, Upper HSU

RI Expanded 14th and 15th RGMEW Events

Final Remedial Investigation Report

Casmalia Resources Superfund Site

Casmalia, California

Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
Arsenic-D	7440-38-2-D	0.007	ug/l
Arsenic-T	7440-38-2	0.007	ug/l
Benzo(a)anthracene	56-55-3	0.092	ug/l
bis(2-Chloroethyl) ether	111-44-4	0.010	ug/l
bis(2-Ethylhexyl) phthalate	117-81-7	4.000	ug/l
Chromium-T	7440-47-3	50.000	ug/l
Heptachlor epoxide	1024-57-3	0.007	ug/l
Iron-D	7439-89-6-D	11,000.000	ug/l
Iron-T	7439-89-6	11,000.000	ug/l
Manganese-D	7439-96-5-D	50.000	ug/l
Manganese-T	7439-96-5	50.000	ug/l
Molybdenum-D	7439-98-7-D	180.000	ug/l
Molybdenum-T	7439-98-7	180.000	ug/l
Nickel-D	7440-02-0-D	100.000	ug/l
Nickel-T	7440-02-0	100.000	ug/l
N-Nitrosodimethylamine	62-75-9	0.001	ug/l
N-Nitrosodinpropylamine	621-64-7	0.010	ug/l
OCDD	3268-87-9	0.45	pg/l
Selenium-D	7782-49-2-D	50.000	ug/l
Selenium-T	7782-49-2	50.000	ug/l
Vanadium-T	7440-62-2	36.000	ug/l
Vinyl Chloride	75-01-4	0.020	ug/l

Boxed Values: Compound detected at a concentration exceeding criteria.

ND = Not Detected at the specific reporting level in parentheses.

NT: Not analyzed.

Checked: NM

Approved: WC