Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PSCT-1		PSCT-1		PSCT-2		PSCT-2		PSCT-3		PSCT-3		PSCT-4	
	Sample Date:	11/15/04		04/12/05		10/29/04		04/11/05		10/20/04		04/11/05		11/04/04	
	Sample Depth (feet):														
	Sample Number:	31470		31647		31411		31632		31373		31629		31434	
	Lab Batch:	0412150		0503630		0411478		0503572		0411045		0503572		0411736	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	6.58		6.98		7.26		7.33		7.6		7.32		7.56	
E160.1															
Total Dissolved Solids (TDS)	mg/l	10,000.	/D	9,300.	/D	7,600.		8,600.	/D	11,000.	/D	11,000.	/D	8,200.	/D
E200.8															
Antimony-D	µg/l	ND(10.)	/UD	0.48	/J	ND(0.66)	U*/J	0.49	/J	ND(10.)	/UD	0.70	/J	0.62	/J
Antimony-T	µg/l	4.3	/JD	ND(2.0)	/U	0.69	/J	ND(2.0)	/U	ND(10.)	/UD	ND(10.)	/UD	0.89	/J
Arsenic-D	µg/l	76.	/D	180.		29.		47.		50.	J+*/D	39.		11.	
Arsenic-T	µg/l	54.	/D	37.		11.		13.		9.2	/JD	24.		14.	
Beryllium-D	µg/l	0.38	J+/JD	ND(1.0)	/U	ND(0.06)	U*/J	ND(1.0)	/U	ND(5.0)	/UD	0.018	/J	0.26	J-*/J
Beryllium-T	µg/l	ND(5.0)	/UD	ND(1.0)	/U	0.045	/J	ND(1.0)	/U	ND(5.0)	/UD	ND(5.0)	/UD	0.22	/J
Cadmium-D	µg/l	1.0	/JD	5.2		15.		33.		27.	/D	25.		14.	
Cadmium-T	µg/l	9.9	/D	38.		16.		39.		21.	/D	24.		15.	/B
Lead-D	µg/l	ND(5.0)	/UD	0.066	/J	ND(0.16)	U*/J	0.12	/J	1.2	/JD	1.2		0.049	/J
Lead-T	µg/l	0.52	/JD	0.29	/J	0.12	/J	0.12	/J	2.9	/JD	1.9		0.038	/J
Selenium-D	µg/l	280.	/D	730.		130.	J+*	260.		190.	J+*/D	170.	/B	54.	
Selenium-T	µg/l	190.	J/D	160.		62.		160.		55.	/D	94.	/D	52.	
Silver-D	µg/l	0.38	J-/JD	ND(1.0)	/U	0.037	J-*/J	0.099	/J	ND(5.0)	/UD	0.049	/J	0.16	/J
Silver-T	µg/l	0.15	/JD	ND(1.0)	/U	0.045	/J	0.079	/J	ND(5.0)	/UD	0.038	/J	0.16	/J
Thallium-D	µg/l	0.92	/JD	ND(1.0)	/U	0.37	/J	0.37	/J	1.4	/JD	0.56	/J	0.40	/J
Thallium-T	µg/l	1.6	/JD	ND(1.0)	/U	0.42	/J	0.41	/J	1.4	/JD	0.64	/J	0.61	/J
Tin-T	µg/l	1.3	/JD	ND(1.0)	/U	0.32	/J	ND(1.0)	/U	2.0	/JD	ND(1.0)	/U	ND(1.0)	/U
Zinc-D	µg/l	190.	/D	130.		110.	J+*	200.		59.	/D	140.		260.	
Zinc-T	µg/l	31.	J/D	35.		42.	J+*	110.		35.	/D	59.	/D	140.	
E300.0															
Bromide	mg/l	240.	/D	94.	/D	16.	/D	20.	/D	30.	/D	25.	/D	21.	/D
Chloride	mg/l	5,600.	/D	3,500.	/D	1,300.	/D	1,900.	/D	2,800.	/D	2,700.	/D	1,700.	/D
Fluoride	mg/l	ND(2.5)	/UD	1.2	/D	0.68	/D	1.2	/D	0.78	/JD	1.2	/D	1.5	/D
Nitrate (as NO3)	mg/l	ND(22.)	/UD	22.	/D	230.	/D	520.	/D	960.	/D	950.	/D	120.	/D
Nitrate as N	mg/l	ND(5.0)	/UD	5.0	/D	52.	/D	120.	/D	220.	/D	220.	/D	27.	/D
Sulfate	mg/l	1,800.	/D	2,900.	/D	2,700.	/D	3,400.	/D	3,900.	/D	3,700.	/D	3,000.	/D
E310.1															
Alkalinity as CaCO3	mg/l	NT		NT		NT		NT		NT		NT		NT	
Bicarbonate Alkalinity as CaCO3	mg/l	570.	/D	440.	/D	600.	/D	620.	/D	730.	/D	680.	/D	760.	/D
E314.0															
Perchlorate	µg/l	100.	/D	ND(40.)	/UD	29.	/D	73.	/D	NT		NT		360.	/D
E360.1															
Dissolved Oxygen	mg/l	0.50		NT		NT		NT		NT		NT		NT	
E376.2															
Sulfide	µg/l	84.	/J	ND(100.)	/U	ND(100.)	/U	ND(100.)	/U	ND(100.)	/U	ND(100.)	/U	ND(100.)	/U
E410.4															

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chemical Oxygen Demand	µg/l	**25,000.**		**290,000.**		**83,000.**		**350,000.**		NT		NT		NT	
E504.1															
1,2 Dibromoethane (EDB)	µg/l	ND(0.089)	/UD	**0.092**	**/P**	ND(0.01)	/U	**0.0065**	**/JP**	ND(0.01)	/U	**0.018**		ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	ND(0.45)	/UD	**0.88**		ND(0.05)	/U	**0.042**	**/J**	ND(0.05)	/U	**0.058**	**/P**	**2.8**	**J*/D**
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.089)	/UD	**1.6**	**/P**	ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	UJ*/U	ND(0.01)	/U	**0.072**	
EPA8081															
Endrin	µg/l	NT		ND(0.005)	/U	ND(0.005)	UJ*/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	**0.006**	**/P**
Heptachlor	µg/l	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U
Hexachlorobenzene	µg/l	NT		ND(0.02)	/UD	ND(0.02)	/U	ND(0.02)	/U	ND(0.02)	/U	ND(0.02)	/U	ND(0.02)	/U
Kepone	µg/l	NT		ND(0.10)	/UD	ND(0.01)	UJ*/U	ND(0.01)	UJ*/U	ND(0.01)	UJ*/U	ND(0.01)	UJ*/U	ND(0.01)	UJ*/U
Lindane	µg/l	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U
EPA8141															
Dimethoate	µg/l	**0.24**	**J**	ND(0.20)	/U	ND(0.20)	UJ*/U	ND(0.20)	/U	NT		NT		ND(0.22)	UJ*/UD
Disulfoton	µg/l	**1.2**	**J**	**0.60**	**/P**	ND(0.50)	UJ*/U	ND(0.50)	/U	NT		NT		ND(0.56)	/UD
Methyl parathion	µg/l	**0.11**	**J/J**	ND(0.20)	/U	ND(0.20)	UJ*/U	ND(0.20)	/U	NT		NT		ND(0.22)	/UD
o,o,o-Triethyl phosphorothioate	µg/l	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	UJ*/U	ND(0.20)	/U	NT		NT		ND(0.22)	/UD
Phorate	µg/l	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	UJ*/U	ND(0.20)	/U	NT		NT		ND(0.22)	/UD
Phosmet	µg/l	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	UJ*/U	ND(0.20)	/U	NT		NT		ND(0.22)	UJ*/UD
EPA8151															
2,4,5-TP (Silvex)	µg/l	NT		ND(0.70)	/UD	ND(0.07)	/U	ND(0.07)	/U	ND(0.07)	/U	ND(0.07)	/U	ND(0.078)	/UD
2,4,5-Trichlorophenoxyacetic acid	µg/l	NT		ND(0.90)	/UD	ND(0.09)	/U	ND(0.09)	/U	ND(0.09)	/U	ND(0.09)	/U	ND(0.10)	/UD
2,4-D	µg/l	NT		ND(4.0)	/UD	ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	ND(0.44)	/UD
Dicamba	µg/l	NT		ND(0.80)	/UD	ND(0.08)	/U	**3.4**	**/P**	ND(0.08)	/U	ND(0.08)	/U	ND(0.089)	/UD
Dichloroprop	µg/l	NT		ND(5.0)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.56)	/UD
MCPA	µg/l	NT		ND(100.)	/UD	ND(10.)	UJ*/U	ND(10.)	/U	ND(10.)	UJ*/U	ND(10.)	/U	ND(11.)	UJ*/UD
MCPP	µg/l	NT		**29,000.**	**/D**	ND(10.)	UJ*/U	ND(10.)	/U	ND(10.)	UJ*/U	ND(10.)	/U	ND(11.)	/UD
EPA8330															
2,6-Dinitrotoluene	µg/l	**5.3**		ND(5.7)	/UD	ND(6.6)	/UD	ND(6.3)	/UD	NT		NT		ND(6.9)	/UD
2-Amino-4,6-DNT	µg/l	ND(5.0)	/U	**4.2**	**/JD**	ND(6.6)	/UD	ND(6.3)	/UD	NT		NT		ND(6.9)	/UD
HMX	µg/l	ND(5.0)	/U	ND(5.7)	/UD	ND(6.6)	/UD	ND(6.3)	/UD	NT		NT		ND(6.9)	/UD
RDX	µg/l	**19.**		**6.4**	**/D**	ND(6.6)	/UD	ND(6.3)	/UD	NT		NT		ND(6.9)	/UD
Tetryl	µg/l	**220.**		**98.**	**/D**	ND(6.6)	/UD	ND(6.3)	/UD	NT		NT		ND(6.9)	/UD
SM5210B															
Biochemical Oxygen Demand	µg/l	ND(20,000.)	/UD	**5,600.**	**/D**	ND(1,500.)	UJ/UD	ND(1,500.)	/UD	NT		NT		NT	
SW6010															
Aluminum-T	µg/l	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD
Barium-D	µg/l	**130.**	**/D**	**160.**	**/D**	**130.**	**/D**	**110.**	**/D**	ND(93.)	U*/D	**110.**	**/D**	**86.**	**/D**
Barium-T	µg/l	**53.**	**/D**	**52.**	**/D**	**18.**	**/JD**	**23.**	**/JD**	**31.**	**/JD**	**29.**	**/JD**	**20.**	**/JD**
Calcium-D	mg/l	**830.**	**/DB**	**800.**	**/D**	**550.**	**/D**	**730.**	**/D**	**680.**	**/D**	**700.**	**/D**	**680.**	**/D**
Calcium-T	mg/l	**930.**	**/D**	**870.**	**/DB**	**500.**	**/D**	**630.**	**/D**	**700.**	**/D**	**740.**	**/D**	**630.**	**/D**
Chromium-D	µg/l	**35.**	**/JD**	ND(50.)	/UD	**9.7**	**/JD**	**25.**	**/JD**	**16.**	**/JD**	ND(50.)	/UD	**19.**	**/JD**
Chromium-T	µg/l	**40.**	**/JD**	ND(50.)	/UD	ND(50.)	/UD	**22.**	**/JD**	**19.**	**/JD**	**25.**	**/JD**	**17.**	**/JD**

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	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Cobalt-D	µg/l	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD
Copper-D	µg/l	ND(50.)	/UD	ND(50.)	/UD	**5.3**	**/JD**	ND(50.)	/UD	**9.6**	**/JD**	ND(50.)	/UD	**17.**	**/JD**
Copper-T	µg/l	ND(50.)	/UD	**31.**	**/JD**	ND(9.6)	U*/JD	**37.**	**/JD**	**10.**	**/JD**	**37.**	**/JD**	**17.**	**/JD**
Iron-D	µg/l	**2,300.**	**/D**	**2,200.**	**/D**	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD
Iron-T	µg/l	**3,100.**	**/D**	**5,500.**	**/D**	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	**140.**	**/JD**	ND(250.)	/UD
Magnesium-D	mg/l	**680.**	**/D**	**690.**	**/D**	**540.**	**/D**	**680.**	**/D**	**680.**	**/D**	**670.**	**/D**	**650.**	**/D**
Magnesium-T	mg/l	**750.**	**/D**	**740.**	**/D**	**480.**	**/D**	**590.**	**/D**	**710.**	**/D**	**690.**	**/D**	**600.**	**/D**
Manganese-D	µg/l	**3,900.**	**/D**	**1,500.**	**/D**	ND(50.)	/UD	ND(50.)	/UD	**120.**	**/D**	**150.**	**/D**	ND(50.)	/UD
Manganese-T	µg/l	**4,600.**	**/D**	**1,900.**	**/D**	ND(50.)	/UD	ND(50.)	/UD	**130.**	**/D**	**150.**	**/D**	ND(50.)	/UD
Molybdenum-D	µg/l	**52.**	**/JD**	**33.**	**/JD**	**48.**	**/JD**	**40.**	**/JD**	**64.**	**/JD**	**45.**	**/JD**	**45.**	**/JD**
Molybdenum-T	µg/l	**55.**	**/JD**	**38.**	**/JD**	**47.**	**/JD**	**35.**	**/JD**	**64.**	**/JD**	**46.**	**/JD**	**44.**	**/JD**
Nickel-D	µg/l	**300.**	**/D**	**230.**	**/D**	**550.**	**/D**	**1,500.**	**/D**	**1,100.**	**/D**	**1,200.**	**/D**	**610.**	**/D**
Nickel-T	µg/l	**320.**	**/D**	**250.**	**/D**	**510.**	**/D**	**1,300.**	**/D**	**1,100.**	**/D**	**1,200.**	**/D**	**580.**	**/D**
Potassium-D	mg/l	**35.**	**/D**	**42.**	**/D**	**30.**	**/D**	**44.**	**/D**	**60.**	**/D**	**62.**	**/D**	**47.**	**/D**
Potassium-T	mg/l	**38.**	**J/D**	**45.**	**/D**	**28.**	**/D**	**38.**	**/D**	**60.**	**/D**	**61.**	**/D**	**43.**	**/D**
Sodium-D	mg/l	**1,600.**	**/D**	**1,700.**	**/D**	**800.**	**/D**	**1,200.**	**/D**	**2,000.**	**/D**	**1,900.**	**/D**	**830.**	**/D**
Sodium-T	mg/l	**1,800.**	**/D**	**1,800.**	**/D**	**730.**	**/D**	**1,100.**	**/D**	**2,000.**	**/D**	**2,000.**	**/D**	**780.**	**/D**
Vanadium-D	µg/l	**65.**	**/D**	ND(50.)	/UD	**75.**	**/D**	**98.**	**/D**	**50.**	**/D**	ND(50.)	/UD	**60.**	**/D**
Vanadium-T	µg/l	**64.**	**J/D**	**19.**	**/JD**	**77.**	**/D**	**98.**	**/D**	**79.**	**/D**	**91.**	**/D**	**53.**	**/D**
SW7470															
Mercury-D	µg/l	**0.05**	**/J**	**0.062**	**/J**	ND(0.20)	/U	ND(0.20)	/U	**0.055**	**/J**	ND(0.40)	/UD	ND(0.20)	/U
Mercury-T	µg/l	**0.062**	**/J**	**0.05**	**/J**	**0.075**	**/JB**	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U
SW8015B-DI															
1-Propanol	µg/l	ND(500.)	/U	ND(500.)	/U	**280.**	**/J**	ND(500.)	/U	NT		NT		NT	
2-Picoline	µg/l	ND(500.)	/U	ND(500.)	/U	**410.**	**/J**	ND(500.)	/U	NT		NT		NT	
Acetone	µg/l	ND(500.)	/U	**3,400.**		ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
Ethanol	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
Ethylene glycol	µg/l	ND(14,000.)	U/B	ND(5,000.)	/U	ND(9,500.)	U*/B	ND(5,000.)	/U	NT		NT		NT	
Ethylene Oxide		ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
Isobutyl alcohol	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
Isopropanol	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
Methanol	µg/l	**370.**	**/J**	ND(500.)	/U	ND(500.)	/U	**1,600.**		NT		NT		NT	
Methyl Ethyl Ketone	µg/l	ND(500.)	/U	**1,300.**		ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
n-Nitrosodinbutylamine	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	**2,900.**		NT		ND(210.)	U*	**170.**	**/J**	ND(280.)	U*	NT		ND(210.)	U*
SW8260															
1,1 Dichloroethane	µg/l	**910.**	**/D**	**1,300.**	**/D**	**210.**	**/D**	**280.**	**/D**	**320.**	**/D**	**260.**	**/D**	**450.**	**/D**
1,1 Dichloroethene	µg/l	**310.**	**/D**	**420.**	**/D**	**220.**	**/D**	**430.**	**/D**	**450.**	**/D**	**390.**	**/D**	**330.**	**/D**
1,1,1 Trichloroethane	µg/l	**1,000.**	**/D**	**1,300.**	**/D**	**29.**	**/D**	**51.**	**/D**	**44.**	**/D**	**35.**	**/D**	**36.**	**/JD**
1,1,2 Trichloroethane	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	**6.0**	**/D**	ND(50.)	/UD

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Casmalia, California

	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,2,2 Tetrachloroethane	µg/l	ND(25.)	/UD	**46.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,2 Dichloroethane	µg/l	**130.**	**/D**	**160.**	**/D**	ND(25.)	/UD	**19.**	**/JD**	**20.**	**/JD**	**15.**	**/D**	ND(50.)	/UD
1,2 Dichloroethene	µg/l	**2,300.**	**/D**	**2,500.**	**/D**	**1,000.**	**/D**	**940.**	**/D**	**1,500.**	**/D**	**1,400.**	**/D**	**5,300.**	**/D**
1,2 Dichloropropane	µg/l	**10.**	**/JD**	**21.**	**/JD**	**18.**	**/JD**	ND(25.)	/UD	**24.**	**/JD**	**19.**	**/D**	**78.**	**/D**
1,2,3-Trichlorobenzene	µg/l	**16.**	**/JD**	**14.**	**/JD**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,2,4 Trimethylbenzene	µg/l	**11.**	**/JD**	**28.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	**200.**	**/DN**	**180.**	**/NJD**	**86.**	**/DN**	**130.**	**/NJD**	**160.**	**/DN**	**130.**	**/NJD**	**180.**	**/DN**
1,2-Dichlorobenzene	µg/l	**140.**	**/D**	**160.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,3 Dichlorobenzene	µg/l	**26.**	**/D**	**30.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,3,5 Trimethylbenzene	µg/l	ND(25.)	/UD	**16.**	**/JD**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
1,4 Dichlorobenzene	µg/l	**31.**	**/D**	**41.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
2 Chlorotoluene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
2-Butanol	µg/l	ND(2,500.)	/UD	ND(2,500.)	/UD	ND(2,500.)	/UD	ND(2,500.)	/UD	ND(2,500.)	R*/UD	ND(500.)	/UD	ND(5,000.)	R*/UD
2-Methyl-3-pentyn-2-ol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Isopropyltoluene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Acetone	µg/l	NT		**2,000.**	**/D**	NT		NT		NT		NT		NT	
Benzene	µg/l	**31.**	**/D**	**230.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	**1.4**	**/JD**	ND(50.)	/UD
Carbon Tetrachloride	µg/l	ND(25.)	/UD	ND(25.)	/UD	**18.**	**/JD**	**43.**	**/D**	**14.**	**/JD**	**15.**	**/D**	ND(50.)	/UD
Chloroethane	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Chloroform	µg/l	**490.**	**/D**	**610.**	**/D**	**220.**	**/D**	**340.**	**/D**	**270.**	**/D**	**220.**	**/D**	**250.**	**B*/D**
Chlorotrifluoroethene	µg/l	**98.**	**/D**	**110.**	**/D**	**140.**	**/D**	**79.**	**/D**	**290.**	**/D**	**180.**	**/D**	**20.**	**J*/JD**
Cis 1,2 Dichloroethene	µg/l	**2,300.**	**/D**	**2,500.**	**/D**	**1,000.**	**/D**	**920.**	**/D**	**1,500.**	**/D**	**1,400.**	**/D**	**5,200.**	**/D**
Dichlorofluoromethane	µg/l	**66.**	**/DN**	**58.**	**/NJD**	**32.**	**/DN**	**60.**	**/NJD**	**67.**	**/DN**	**57.**	**/NJD**	NT	
Diethyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Ethyl Benzene	µg/l	**48.**	**/D**	**74.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Freon 11	µg/l	**38.**	**/D**	**54.**	**/D**	**39.**	**/D**	**55.**	**/D**	**70.**	**/D**	**62.**	**/D**	ND(50.)	/UD
Freon 112	µg/l	**24.**	**/JD**	**14.**	**/JD**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Freon 113	µg/l	**390.**	**/D**	**430.**	**/D**	**240.**	**B*/D**	**320.**	**/D**	**400.**	**/D**	**360.**	**/D**	**280.**	**/D**
Freon 12	µg/l	**12.**	**/JD**	**13.**	**/JD**	**12.**	**/JD**	ND(25.)	/UD	**36.**	**/D**	**30.**	**/D**	ND(50.)	/UD
Isopropanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Isopropylbenzene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Methyl Ethyl Ketone	µg/l	NT		**300.**	**/NJD**	NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Methylene Chloride	µg/l	ND(50.)	/UD	**120.**	**/D**	ND(50.)	/UD	**130.**	**/D**	ND(50.)	/UD	**7.0**	**/JD**	ND(100.)	/UD
n Propylbenzene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
n-Butylbenzene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
o-Xylene	µg/l	**130.**	**/D**	**290.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Sec-Butylbenzene	µg/l	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
Sulfuryl chloride fluoride	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	**2,400.**	**/D**	**1,400.**	**/D**	**86.**	**/D**	**74.**	**/D**	**140.**	**/D**	**110.**	**/D**	**270.**	**/D**
Tetrahydrofuran	µg/l	ND(1,000.)	/UD	**330.**	**/JD**	ND(1,000.)	/UD	ND(1,000.)	/UD	ND(1,000.)	/UD	ND(200.)	/UD	ND(2,000.)	/UD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Toluene	µg/l	**22.**	**/JD**	**200.**	**/D**	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	ND(5.0)	/UD	ND(50.)	/UD
trans 1,2 Dichloroethene	µg/l	ND(25.)	/UD	**10.**	**/JD**	**9.5**	**/JD**	**10.**	**/JD**	**13.**	**/JD**	**12.**	**/D**	**24.**	**/JD**
Trichloroethene	µg/l	**1,700.**	**/D**	**1,200.**	**/D**	**1,200.**	**/D**	**1,900.**	**/D**	**2,000.**	**/D**	**1,700.**	**/D**	**1,700.**	**/D**
Vinyl Chloride	µg/l	**120.**	**/D**	**100.**	**/D**	**16.**	**/JD**	**12.**	**/JD**	**9.5**	**/JD**	**6.4**	**/D**	ND(50.)	/UD
Xylenes	µg/l	**300.**	**/D**	**720.**	**/D**	ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD	ND(10.)	/UD	ND(100.)	/UD
SW8270															
,5-Dimethylbenzoic Acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		**8.8**	**/NJ**	**14.**	**/N**	**9.2**	**/NJ**	**39.**	**/N**
1,2,3-Trimethylbenzene	µg/l	NT		NT		**11.**	**/N**	NT		**28.**	**/N**	NT		NT	
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		**6.1**	**/N**
1,2,4-Trichlorobenzene	µg/l	**55.**	**J**	**27.**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	**40.**	**J**	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
1-Ethyl-2-methylbenzene	µg/l	NT		NT		NT		NT		**14.**	**/N**	NT		NT	
2-(2-Phenoxyethoxy)-Ethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	**6.7**	**/J**	**1.9**	**/J**	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
2,4,5-Trichlorophenol	µg/l	ND(5.0)	/U	ND(5.0)	/U	ND(5.0)	/U	ND(5.0)	/U	ND(5.0)	/U	ND(5.0)	/U	ND(5.0)	/U
2,4-Dichlorophenol	µg/l	**47.**		**7.3**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
2,4-Dimethylphenol	µg/l	**21.**		**4.8**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		**5.8**	**/NJ**	**21.**	**/N**	**16.**	**/NJ**	NT	
2,6,10,14-TetramethylPentadeca	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6,10-Trimethyldodecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6-Dichlorophenol	µg/l	**1.7**	**/J**	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
2-Chlorocyclohexanol	µg/l	NT		NT		**10.**	**/N**	NT		NT		NT		NT	
2-Chlorophenol	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
2-Cyclohexen-1-one	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylcyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	**4.9**	**J**	**5.3**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Propanol, 1-(2-methoxy-1-methyl)	µg/l	NT		NT		NT		NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	ND(2.0)	/U	**4.5**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
4-Chlorophenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Ethyl-1,2-dimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Methylbenzene Methanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Acenaphthene	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Acetophenone	µg/l	**27.**	**J**	**9.8**	**/J**	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
Benzoic acid	µg/l	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
Benzyl alcohol	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
bis(2-Ethylhexyl) phthalate	µg/l	**1.4**	**J/J**	**9.6**	**/B**	ND(5.0)	UJ*/U	**2.8**	**/JB**	ND(5.0)	/U	**5.2**	**/B**	ND(5.0)	/U
Butyl benzyl phthalate	µg/l	**3.3**	**J**	**2.3**		ND(2.0)	UJ*/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Dibenzofuran	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dimethyl phthalate	µg/l	**1.5**	**J/J**	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Di-n-butyl phthalate	µg/l	**7.2**	**J**	**2.5**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Dodecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethane,1-ethoxy-1-methoxy-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Heptadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Isophorone	µg/l	**37.**	**J**	**15.**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
N-Nitrosomorpholine	µg/l	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	**16.**		**100.**		**71.**		ND(10.)	/U
o-Cresol	µg/l	**44.**		**12.**		ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Octadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	**9.1**	**/J**	**2.2**	**/J**	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	ND(10.)	/U
Phenanthrene	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U
Phenols	µg/l	**57.**		**16.**		ND(2.0)	/U	ND(2.0)	/U	ND(4.2)	U*	ND(2.0)	/U	ND(2.0)	/U
Tetrachloroethene	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
1,4-Dichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Acenaphthylene	µg/l	ND(0.10)	/U	**0.023**	**/J**	ND(0.09)	/UD	**0.019**	**/J**	ND(0.10)	/U	**0.058**	**/J**	**0.0088**	**/J**
Benzo(a)anthracene	µg/l	ND(0.10)	UJ/U	ND(0.10)	/U	ND(0.0092)	U*/JD	**0.011**	**/J**	ND(0.012)	U*/J	**0.011**	**/J**	ND(0.10)	/U
Benzo(a)pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Benzo(b)fluoranthene	µg/l	ND(0.10)	UJ/U	ND(0.10)	/U	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Benzo(ghi)perylene	µg/l	ND(0.026)	U/J	**0.012**	**/J**	ND(0.014)	U*/JD	**0.023**	**/J**	ND(0.10)	/U	**0.034**	**/J**	ND(0.017)	U*/J
Benzo(k)fluoranthene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	**0.82**		**0.22**		**0.042**	**/JD**	ND(0.10)	/U	ND(0.048)	U*/J	ND(0.10)	/U	ND(0.024)	U*/J
Chrysene	µg/l	ND(0.10)	/U	**0.013**	**/J**	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	**0.013**	**/J**	ND(0.10)	/U
Fluoranthene	µg/l	**0.044**	**J/J**	**0.056**	**/J**	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Fluorene	µg/l	**0.27**	**J**	**0.33**		ND(0.09)	/UD	ND(0.10)	/U	**0.017**	**/J**	**0.014**	**/J**	ND(0.10)	/U
Indeno(1,2,3-cd)pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.09)	/UD	**0.0095**	**/J**	ND(0.10)	/U	**0.011**	**/J**	ND(0.10)	/U
Naphthalene	µg/l	**36.**	**J/D**	NT		ND(0.019)	U*/JD	ND(0.10)	/U	ND(0.071)	U*/J	**0.054**	**/J**	ND(0.012)	U*/J
N-Nitrosodiethylamine	µg/l	**9.2**	**/D**	NT		**49.**	**/D**	**140.**	**/D**	**510.**	**/D**	**530.**	**/D**	**39.**	
N-Nitrosodimethylamine	µg/l	**0.052**		**0.20**		**1.6**	**J***	**4.1**	**/D**	**19.**	**/D**	**15.**	**/D**	**1.9**	
N-Nitrosodinpropylamine	µg/l	ND(0.10)	/U	**0.20**		**0.14**	**/D**	**0.17**		ND(1.2)	U*	**0.23**		ND(0.17)	U*
N-Nitrosomethylethylamine	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.09)	/UD	**0.039**	**/J**	**0.20**		**0.20**		ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	**0.18**		**0.096**	**/J**	**0.12**	**/D**	**0.27**		**4.1**	**/D**	**3.2**	**/D**	**0.31**	
Pyrene	µg/l	**0.035**	**/J**	**0.04**	**/J**	ND(0.09)	/UD	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
SW8290															
1,2,3,4,6,7,8-HpCDD	pg/l	**210.**		**169.**		ND(6.21)		ND(3.54)	/U	NT		NT		ND(7.48)	
1,2,3,4,6,7,8-HpCDF	pg/l	**63.7**		**58.2**		ND(2.97)		ND(2.19)	/U	NT		NT		ND(4.04)	
1,2,3,4,7,8,9-HpCDF	pg/l	**13.**	**/J**	ND(12.)	/U	ND(3.73)		ND(2.46)	/U	NT		NT		ND(5.25)	
1,2,3,4,7,8-HxCDF	pg/l	**15.7**	**/J**	**40.3**		ND(1.15)		ND(1.17)	/U	NT		NT		ND(1.46)	
1,2,3,6,7,8-HxCDD	pg/l	**15.9**	**/J**	**14.3**	**/J**	ND(6.56)		ND(3.53)	/U	NT		NT		ND(9.76)	
1,2,3,6,7,8-HxCDF	pg/l	**7.07**	**/J**	**8.94**	**/J**	ND(2.53)		ND(1.06)	/U	NT		NT		ND(3.61)	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-1**		**PSCT-1**		**PSCT-2**		**PSCT-2**		**PSCT-3**		**PSCT-3**		**PSCT-4**	
	Sample Date:	**11/15/04**		**04/12/05**		**10/29/04**		**04/11/05**		**10/20/04**		**04/11/05**		**11/04/04**	
	Sample Depth (feet):														
	Sample Number:	**31470**		**31647**		**31411**		**31632**		**31373**		**31629**		**31434**	
	Lab Batch:	**0412150**		**0503630**		**0411478**		**0503572**		**0411045**		**0503572**		**0411736**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2,3,7,8,9-HxCDD	pg/l	ND(2.34)		ND(6.92)	/U	ND(5.7)		ND(3.14)	/U	NT		NT		ND(8.35)	
1,2,3,7,8,9-HxCDF	pg/l	**5.23**	**/J**	ND(5.36)	/U	ND(3.53)		ND(1.24)	/U	NT		NT		ND(4.47)	
1,2,3,7,8-PeCDF	pg/l	**14.**	**/J**	**13.6**	**/J**	ND(2.45)		ND(0.931)	/U	NT		NT		ND(4.78)	
2,3,4,6,7,8-HxCDF	pg/l	**5.89**	**/J**	**6.89**	**/J**	ND(2.84)		ND(1.06)	/U	NT		NT		ND(3.55)	
2,3,4,7,8-PeCDF	pg/l	**16.8**	**/J**	**17.9**	**/J**	ND(2.4)		ND(0.994)	/U	NT		NT		ND(4.74)	
2,3,7,8-TCDD	pg/l	**9.23**		**5.67**		ND(2.78)		ND(0.879)	/U	NT		NT		ND(3.53)	
2,3,7,8-TCDF	pg/l	**11.1**		**8.0**		ND(2.19)		ND(0.59)	/U	NT		NT		ND(4.52)	
Hepta-CDD (total)	pg/l	**296.**		NT		ND(6.21)		NT		NT		NT		ND(7.48)	
Hepta-CDFs (total)	pg/l	**195.**		NT		ND(3.73)		NT		NT		NT		ND(5.25)	
Hexa-CDD (total)	pg/l	**39.8**		NT		ND(12.5)		NT		NT		NT		ND(9.76)	
Hexa-CDF (total)	pg/l	**114.**	**/D,M**	NT		ND(3.53)		NT		NT		NT		ND(4.47)	
OCDD	pg/l	**5,900.**		**3,990.**		ND(7.26)		ND(16.2)	/U	NT		NT		ND(22.9)	
OCDF	pg/l	**216.**		**162.**		ND(4.8)		ND(3.39)	/U	NT		NT		ND(9.55)	
PeCDD (total)	pg/l	**8.98**	**/J,M**	NT		ND(3.12)		NT		NT		NT		ND(8.52)	
PeCDF (total)	pg/l	**151.**	**/D,M**	NT		ND(2.45)		NT		NT		NT		ND(4.78)	
TCDD (total)	pg/l	**13.8**	**/M**	NT		ND(2.78)		NT		NT		NT		ND(3.53)	
TCDF (total)	pg/l	**300.**	**/D,M**	NT		ND(2.19)		NT		NT		NT		ND(4.52)	
SW9012															
Cyanide (Free)	mg/l	ND(0.012)	/U	ND(0.02)	/U	ND(0.012)	/U	ND(0.02)	/U	ND(0.012)	/U	**0.0095**	**/J**	ND(0.012)	/U
Cyanide Amenable to Chlorination	mg/l	**0.00**	**/U**	ND(0.02)	/U	**0.00**	**/U**	ND(0.02)	/U	**0.00**	**/U**	ND(0.02)	/U	**0.00**	**/U**

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PSCT-4		RIMW-6		RIMW-7		RIMW-7		RIMW-7		RIMW-8		RIMW-8	
	Sample Date:	04/11/05		04/08/05		01/18/05		01/19/05		04/12/05		01/20/05		04/07/05	
	Sample Depth (feet):														
	Sample Number:	31635		31626		31473		31476		31639		31490		31610	
	Lab Batch:	0503572		0503526		0500575		0500633		0503630		0500677		0503484	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	7.5		NT		6.7		NT		6.63		6.94		7.13	
E160.1															
Total Dissolved Solids (TDS)	mg/l	8,000.	/D	NT		9,600.	/D	NT		7,800.	/D	2,600.	/D	2,900.	/D
E200.8															
Antimony-D	µg/l	1.5	/J	NT		0.31	/J	NT		0.80	/J	0.32	/J	ND(10.)	/UD
Antimony-T	µg/l	ND(2.0)	/U	NT		ND(2.0)	/U	NT		ND(2.0)	/U	ND(2.0)	/U	ND(10.)	/UD
Arsenic-D	µg/l	52.		NT		10.		NT		21.		7.8	J+	51.	/D
Arsenic-T	µg/l	16.		NT		5.2		NT		8.3		4.6		26.	/D
Beryllium-D	µg/l	ND(1.0)	/U	NT		0.18	J-*/J	NT		ND(1.0)	/U	ND(1.0)	/U	ND(5.0)	/UD
Beryllium-T	µg/l	ND(1.0)	/U	NT		0.051	/J	NT		0.032	/J	0.029	/J	ND(5.0)	/UD
Cadmium-D	µg/l	28.		NT		1.2		NT		1.7		0.047	/J	ND(5.0)	/UD
Cadmium-T	µg/l	29.		NT		2.5		NT		10.		0.052	/J	0.26	/JD
Lead-D	µg/l	0.097	/J	NT		0.12	/J	NT		0.12	/J	0.61	/J	ND(5.0)	/UD
Lead-T	µg/l	0.04	/J	NT		1.0		NT		1.4		1.9		ND(5.0)	/UD
Selenium-D	µg/l	230.	/B	NT		43.		NT		90.		16.	J+	130.	/D
Selenium-T	µg/l	95.		NT		16.	J *	NT		38.		5.8		66.	/D
Silver-D	µg/l	0.13	/J	NT		0.11	J-*/J	NT		0.16	/J	0.019	J-/J	ND(5.0)	/UD
Silver-T	µg/l	0.19	/J	NT		0.23	/J	NT		0.46	/J	0.068	/J	ND(5.0)	/UD
Thallium-D	µg/l	0.39	/J	NT		0.36	J-*/J	NT		0.40	/J	0.19	/J	ND(5.0)	/UD
Thallium-T	µg/l	0.43	/J	NT		0.44	/J	NT		0.52	/J	0.11	/J	ND(5.0)	/UD
Tin-T	µg/l	ND(1.0)	/U	NT		0.49	/J	NT		0.33	/J	ND(1.0)	/U	ND(5.0)	/UD
Zinc-D	µg/l	350.		NT		140.	J-*/B	NT		130.		58.		110.	/D
Zinc-T	µg/l	270.		NT		28.		NT		40.		3.7	/J	ND(25.)	/UD
E300.0															
Bromide	mg/l	26.	/D	NT		11.	/D	NT		11.	/D	4.4	/D	19.	/D
Chloride	mg/l	2,300.	/D	NT		1,000.	/D	NT		1,300.	/D	470.	/D	1,000.	/D
Fluoride	mg/l	ND(1.0)	/UD	NT		ND(1.0)	/UD	NT		0.51	/D	0.26	/D	ND(0.25)	/UD
Nitrate (as NO3)	mg/l	240.	/D	NT		1.6	/JD	NT		9.3	/D	ND(0.88)	/UD	ND(2.2)	/UD
Nitrate as N	mg/l	55.	/D	NT		0.36	/JD	NT		2.1	/D	ND(0.20)	/UD	ND(0.50)	/UD
Sulfate	mg/l	3,000.	/D	NT		4,100.	/D	NT		3,700.	/D	710.	/D	720.	/D
E310.1															
Alkalinity as CaCO3	mg/l	NT		NT		NT		NT		NT		1,400.	/D	NT	
Bicarbonate Alkalinity as CaCO3	mg/l	710.	/D	NT		1,100.	/D	NT		1,100.	/D	1,400.	/D	570.	/D
E314.0															
Perchlorate	µg/l	21.	/D	NT		NT		NT		NT		NT		NT	
E360.1															
Dissolved Oxygen	mg/l	NT		NT		NT		NT		NT		NT		NT	
E376.2															
Sulfide	µg/l	ND(100.)	/U	NT		ND(100.)	/U	NT		ND(100.)	/U	ND(100.)	/U	ND(100.)	/U
E410.4															

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-4**		**RIMW-6**		**RIMW-7**		**RIMW-7**		**RIMW-7**		**RIMW-8**		**RIMW-8**	
	Sample Date:	**04/11/05**		**04/08/05**		**01/18/05**		**01/19/05**		**04/12/05**		**01/20/05**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31635**		**31626**		**31473**		**31476**		**31639**		**31490**		**31610**	
	Lab Batch:	**0503572**		**0503526**		**0500575**		**0500633**		**0503630**		**0500677**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chemical Oxygen Demand	µg/l	**110,000.**		NT		NT		NT		NT		NT		NT	
E504.1															
1,2 Dibromoethane (EDB)	µg/l	**0.12**		ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	**3.0**	**/D**	ND(0.05)	/U	ND(0.05)	/U	NT		ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	**2.2**	**/D**	ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)	/U	**0.013**		**0.17**	
EPA8081															
Endrin	µg/l	ND(0.005)	/U	NT		ND(0.005)	UJ*/U	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U
Heptachlor	µg/l	ND(0.005)	/U	NT		ND(0.005)	UJ*/U	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U
Hexachlorobenzene	µg/l	ND(0.02)	/U	NT		ND(0.02)	UJ*/U	NT		ND(0.02)	/U	ND(0.02)	/U	ND(0.02)	/U
Kepone	µg/l	ND(0.01)	UJ*/U	NT		ND(0.01)	UJ*/U	NT		ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	/U
Lindane	µg/l	ND(0.005)	/U	NT		ND(0.005)	UJ*/U	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U
EPA8141															
Dimethoate	µg/l	ND(0.20)	/U	NT		ND(0.22)	/UD	NT		ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U
Disulfoton	µg/l	ND(0.50)	/U	NT		ND(0.56)	/UD	NT		ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Methyl parathion	µg/l	ND(0.20)	/U	NT		ND(0.22)	/UD	NT		ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U
o,o,o-Triethyl phosphorothioate	µg/l	ND(0.20)	/U	NT		ND(0.22)	/UD	NT		ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U
Phorate	µg/l	ND(0.20)	/U	NT		**0.11**	**/JD**	NT		**0.085**	**/J**	ND(0.20)	/U	ND(0.20)	/U
Phosmet	µg/l	ND(0.20)	/U	NT		ND(0.22)	/UD	NT		**0.27**	**/P**	ND(0.20)	/U	ND(0.20)	/U
EPA8151															
2,4,5-TP (Silvex)	µg/l	ND(0.07)	/U	NT		ND(0.07)	/U	NT		ND(0.70)	/UD	ND(0.07)	/U	ND(0.70)	/UD
2,4,5-Trichlorophenoxyacetic acid	µg/l	ND(0.09)	/U	NT		ND(0.09)	/U	NT		ND(0.90)	/UD	ND(0.09)	/U	ND(0.90)	/UD
2,4-D	µg/l	ND(0.40)	/U	NT		ND(0.40)	/U	NT		ND(4.0)	/UD	ND(0.40)	/U	ND(4.0)	/UD
Dicamba	µg/l	**2.3**		NT		**0.59**	**J***	NT		ND(0.80)	/UD	ND(0.08)	/U	ND(0.80)	/UD
Dichloroprop	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT		ND(5.0)	/UD	ND(0.50)	/U	ND(5.0)	/UD
MCPA	µg/l	ND(10.)	/U	NT		ND(10.)	UJ*/U	NT		ND(100.)	/UD	ND(10.)	/U	ND(100.)	/UD
MCPP	µg/l	**550.**		NT		ND(10.)	UJ*/U	NT		ND(100.)	/UD	ND(10.)	/U	ND(100.)	/UD
EPA8330															
2,6-Dinitrotoluene	µg/l	ND(6.2)	/UD	NT		NT		NT		NT		NT		NT	
2-Amino-4,6-DNT	µg/l	ND(6.2)	/UD	NT		NT		NT		NT		NT		NT	
HMX	µg/l	ND(6.2)	/UD	NT		NT		NT		NT		NT		NT	
RDX	µg/l	ND(6.2)	/UD	NT		NT		NT		NT		NT		NT	
Tetryl	µg/l	ND(6.2)	/UD	NT		NT		NT		NT		NT		NT	
SM5210B															
Biochemical Oxygen Demand	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW6010															
Aluminum-T	µg/l	ND(250.)	/UD	NT		**310.**	**J+*/D**	NT		**620.**	**/D**	**490.**	**J+/D**	**290.**	**/D**
Barium-D	µg/l	**55.**	**/D**	NT		**86.**	**/D**	NT		**140.**	**/D**	**250.**	**/D**	**140.**	**/D**
Barium-T	µg/l	**30.**	**/JD**	NT		**26.**	**/JD**	NT		**28.**	**/JD**	**28.**	**/JD**	**43.**	**/JD**
Calcium-D	mg/l	**710.**	**/D**	NT		**620.**	**/D**	NT		**630.**	**/D**	**330.**	**/D**	**520.**	**/D**
Calcium-T	mg/l	**750.**	**/D**	NT		**560.**	**/D**	NT		**640.**	**/DB**	**290.**	**/D**	**450.**	**/D**
Chromium-D	µg/l	ND(50.)	/UD	NT		**26.**	**/JD**	NT		ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD
Chromium-T	µg/l	**25.**	**/JD**	NT		**33.**	**/JD**	NT		ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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Casmalia Resources Superfund Site
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	Station Number:	PSCT-4		RIMW-6		RIMW-7		RIMW-7		RIMW-7		RIMW-8		RIMW-8	
	Sample Date:	04/11/05		04/08/05		01/18/05		01/19/05		04/12/05		01/20/05		04/07/05	
	Sample Depth (feet):														
	Sample Number:	31635		31626		31473		31476		31639		31490		31610	
	Lab Batch:	0503572		0503526		0500575		0500633		0503630		0500677		0503484	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Cobalt-D	µg/l	ND(250.)	/UD	NT		31.	/JD	NT		27.	/JD	ND(250.)	/UD	ND(250.)	/UD
Copper-D	µg/l	8.7	/JD	NT		ND(50.)	/UD	NT		ND(50.)	/UD	6.1	/JD	ND(50.)	/UD
Copper-T	µg/l	45.	/JD	NT		14.	/JD	NT		43.	/JD	31.	/JD	18.	/JD
Iron-D	µg/l	ND(250.)	/UD	NT		1,400.	/D	NT		1,100.	/D	1,800.	/D	2,900.	/D
Iron-T	µg/l	ND(250.)	/UD	NT		2,000.	/D	NT		2,300.	/D	2,500.	/D	3,500.	/D
Magnesium-D	mg/l	690.	/D	NT		960.	/D	NT		970.	/D	160.	/D	200.	/D
Magnesium-T	mg/l	690.	/D	NT		900.	/D	NT		980.	/D	140.	/D	190.	/D
Manganese-D	µg/l	19.	/JD	NT		9,300.	/D	NT		10,000.	/D	1,000.	/D	5,600.	/D
Manganese-T	µg/l	ND(50.)	/UD	NT		8,100.	/D	NT		10,000.	/D	950.	/D	5,200.	/D
Molybdenum-D	µg/l	36.	/JD	NT		43.	/JD	NT		38.	/JD	18.	/JD	ND(250.)	/UD
Molybdenum-T	µg/l	34.	/JD	NT		39.	/JD	NT		47.	/JD	ND(250.)	/UD	34.	/JD
Nickel-D	µg/l	920.	/D	NT		300.	/D	NT		280.	/D	13.	/JD	96.	/D
Nickel-T	µg/l	980.	/D	NT		250.	/D	NT		290.	/D	14.	/JD	92.	/D
Potassium-D	mg/l	50.	/D	NT		36.	/D	NT		38.	/D	24.	/D	26.	/D
Potassium-T	mg/l	50.	/D	NT		35.	J*/D	NT		38.	/D	23.	/D	24.	/D
Sodium-D	mg/l	910.	/D	NT		590.	/D	NT		580.	/D	350.	/D	430.	/D
Sodium-T	mg/l	920.	/D	NT		540.	/DB	NT		590.	/D	330.	/D	390.	/D
Vanadium-D	µg/l	ND(50.)	/UD	NT		93.	/D	NT		ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD
Vanadium-T	µg/l	77.	/D	NT		ND(50.)	/UD	NT		ND(50.)	/UD	ND(50.)	/UD	64.	/D
SW7470															
Mercury-D	µg/l	0.078	/J	NT		0.065	/J	NT		ND(0.20)	/U	0.062	/J	0.12	/J
Mercury-T	µg/l	ND(0.20)	/U	NT		ND(0.20)	/U	NT		0.075	/J	ND(0.20)	/U	0.058	/J
SW8015B-DI															
1-Propanol	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	ND(500.)	/U	ND(25,000.)	/UD
2-Picoline	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	ND(500.)	/U	ND(25,000.)	/UD
Acetone	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	100,000.	/D	550,000.	/D
Ethanol	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	ND(500.)	/U	ND(25000.)	/UD
Ethylene glycol	µg/l	ND(5,000.)	/U	NT		4,100.	J*/J	NT		ND(5,000.)	/U	10,000.		910,000.	/DB
Ethylene Oxide		ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	ND(500.)	/U	ND(25,000.)	/UD
Isobutyl alcohol	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	220.	/J	ND(25,000.)	/UD
Isopropanol	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	230,000.	/D	1,800,000.	/D
Methanol	µg/l	2,200.		NT		600.		NT		3,300.		3,900.		81,000.	/D
Methyl Ethyl Ketone	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	14,000.		140,000.	/D
n-Nitrosodinbutylamine	µg/l	ND(500.)	/U	NT		ND(500.)	/U	NT		ND(500.)	/U	2,800.		ND(25,000.)	/UD
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	200.		NT		NT		NT		NT		NT		NT	
SW8260															
1,1 Dichloroethane	µg/l	520.	/D	0.93		1,300.	/D	NT		1,100.	/D	330.	/D	320.	/D
1,1 Dichloroethene	µg/l	710.	/D	ND(0.50)	/U	2,000.	/D	NT		2,100.	/D	440.	/D	2,800.	/D
1,1,1 Trichloroethane	µg/l	64.	/D	ND(0.50)	/U	910.	/D	NT		510.	/D	28.	/D	210.	/D
1,1,2 Trichloroethane	µg/l	26.	/D	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	5.2	/JD	25.	/JD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-4**		**RIMW-6**		**RIMW-7**		**RIMW-7**		**RIMW-7**		**RIMW-8**		**RIMW-8**	
	Sample Date:	**04/11/05**		**04/08/05**		**01/18/05**		**01/19/05**		**04/12/05**		**01/20/05**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31635**		**31626**		**31473**		**31476**		**31639**		**31490**		**31610**	
	Lab Batch:	**0503572**		**0503526**		**0500575**		**0500633**		**0503630**		**0500677**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,2,2 Tetrachloroethane	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
1,2 Dichloroethane	µg/l	**22.**	**/JD**	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	**7.2**	**/JD**	**31.**	**/JD**
1,2 Dichloroethene	µg/l	**5,900.**	**/D**	ND(1.0)	/U	**13,000.**	**/D**	NT		**15,000.**	**/D**	**48.**	**/D**	**220.**	**/D**
1,2 Dichloropropane	µg/l	**95.**	**/D**	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
1,2,3-Trichlorobenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
1,2,4 Trimethylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**50.**	**/JD**	NT		**42.**	**/JD**	ND(10.)	/UD	**16.**	**/JD**
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		**0.79**	**/NJ**	**560.**	**/DN**	NT		**560.**	**/NJD**	**7,700.**	**/DN**	**6,600.**	**/NJD**
1,2-Dichlorobenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**130.**	**/D**	NT		**120.**	**/D**	ND(10.)	/UD	ND(50.)	/UD
1,3 Dichlorobenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
1,3,5 Trimethylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
1,4 Dichlorobenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
2 Chlorotoluene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
2-Butanol	µg/l	ND(2,500.)	/UD	ND(50.)	/U	ND(10,000.)	/UD	NT		ND(10,000.)	/UD	**25,000.**	**/D**	**95,000.**	**/D**
2-Methyl-3-pentyn-2-ol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Isopropyltoluene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Acetone	µg/l	NT		**18.**	**/B**	NT		NT		NT		**130,000.**	**/DN**	**480,000.**	**/D**
Benzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**280.**	**/D**	NT		**230.**	**/D**	**5.8**	**/JD**	**24.**	**/JD**
Carbon Tetrachloride	µg/l	ND(25.)	/UD	ND(0.50)	/U	**86.**	**/JD**	NT		**160.**	**/D**	ND(10.)	/UD	ND(50.)	/UD
Chloroethane	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	**9.6**	**/JD**	ND(50.)	/UD
Chloroform	µg/l	**250.**	**/D**	ND(0.50)	/U	**3,200.**	**/D**	NT		**3,300.**	**/D**	**6.8**	**/JD**	**50.**	**/D**
Chlorotrifluoroethene	µg/l	**38.**	**/D**	ND(0.50)	/U	ND(100.)	/UD	NT		**38.**	**/JD**	**71.**	**/D**	**350.**	**/D**
Cis 1,2 Dichloroethene	µg/l	**5,900.**	**/D**	ND(0.50)	/U	**12,000.**	**/D**	NT		**15,000.**	**/D**	**48.**	**/D**	**220.**	**/D**
Dichlorofluoromethane	µg/l	NT		NT		**480.**	**/DN**	NT		**450.**	**/NJD**	NT		NT	
Diethyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Ethyl Benzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**1,100.**	**/D**	NT		**830.**	**/D**	ND(10.)	/UD	**22.**	**/JD**
Freon 11	µg/l	**11.**	**/JD**	ND(0.50)	/U	**360.**	**/D**	NT		**420.**	**/D**	ND(10.)	/UD	ND(50.)	/UD
Freon 112	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Freon 113	µg/l	**410.**	**/D**	**1.2**		**8,100.**	**/D**	NT		**7,700.**	**/D**	**11,000.**	**/D**	**48,000.**	**/D**
Freon 12	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Isopropanol	µg/l	NT		NT		NT		NT		NT		**360,000.**	**/DN**	**1,500,000.**	**/D**
Isopropylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Methyl Ethyl Ketone	µg/l	NT		NT		NT		NT		NT		**20,000.**	**/DN**	**130,000.**	**/NJD**
Methylcyclopentane	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Methylene Chloride	µg/l	**130.**	**/DB**	ND(1.0)	/U	**90.**	**/JD**	NT		**180.**	**/JD**	**150.**	**B/D**	**750.**	**/D**
n Propylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
n-Butylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
o-Xylene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**1,600.**	**/D**	NT		**2,200.**	**/D**	**4.4**	**/JD**	**34.**	**/JD**
Sec-Butylbenzene	µg/l	ND(25.)	/UD	ND(0.50)	/U	ND(100.)	/UD	NT		ND(100.)	/UD	ND(10.)	/UD	ND(50.)	/UD
Sulfuryl chloride fluoride	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	**380.**	**/D**	**0.97**		**2,800.**	**/D**	NT		**2,300.**	**/D**	**290.**	**/D**	**2,400.**	**/D**
Tetrahydrofuran	µg/l	ND(1,000.)	/UD	ND(20.)	/U	ND(4,000.)	/UD	NT		ND(4,000.)	/UD	ND(400.)	/UD	ND(2,000.)	/UD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-4**		**RIMW-6**		**RIMW-7**		**RIMW-7**		**RIMW-7**		**RIMW-8**		**RIMW-8**	
	Sample Date:	**04/11/05**		**04/08/05**		**01/18/05**		**01/19/05**		**04/12/05**		**01/20/05**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31635**		**31626**		**31473**		**31476**		**31639**		**31490**		**31610**	
	Lab Batch:	**0503572**		**0503526**		**0500575**		**0500633**		**0503630**		**0500677**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Toluene	µg/l	ND(25.)	/UD	ND(0.50)	/U	**180.**	**/D**	NT		**140.**	**/D**	**36.**	**/D**	**250.**	**/D**
trans 1,2 Dichloroethene	µg/l	**44.**	**/D**	ND(0.50)	/U	**120.**	**/D**	NT		**100.**	**/D**	ND(10.)	/UD	ND(50.)	/UD
Trichloroethene	µg/l	**2,100.**	**/D**	**3.0**		**19,000.**	**/D**	NT		**25,000.**	**/D**	**1,300.**	**/D**	**9,100.**	**/D**
Vinyl Chloride	µg/l	**25.**	**/D**	ND(0.50)	/U	**180.**	**/D**	NT		**390.**	**/D**	ND(10.)	/UD	ND(50.)	/UD
Xylenes	µg/l	ND(50.)	/UD	ND(1.0)	/U	**4,500.**	**/D**	NT		**5,200.**	**/D**	**11.**	**/JD**	**92.**	**/JD**
SW8270															
,5-Dimethylbenzoic Acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	**39.**	**/NJ**	NT		**150.**	**/DN**	NT		NT		NT		NT	
1,2,3-Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	ND(2.0)	/U	NT		**13.**	**/D**	NT		**15.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
1,3,5 Trimethylbenzene	µg/l	NT		NT		**99.**	**/DN**	NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	ND(10.)	/U	NT		ND(11.)	/UD	NT		ND(50.)	/UD	ND(10.)	/U	ND(10.)	/U
1-Ethyl-2-methylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-(2-Phenoxyethoxy)-Ethanol	µg/l	NT		NT		NT		NT		NT		**35.**	**/N**	NT	
2,3,4,6-Tetrachlorophenol	µg/l	ND(10.)	/U	NT		ND(11.)	/UD	NT		ND(50.)	/UD	ND(10.)	/U	ND(10.)	/U
2,4,5-Trichlorophenol	µg/l	ND(5.0)	/U	NT		ND(5.6)	/UD	NT		ND(25.)	/UD	ND(5.0)	/U	**2.2**	**/J**
2,4-Dichlorophenol	µg/l	ND(2.0)	/U	NT		**12.**	**/D**	NT		**13.**	**/D**	**1,700.**	**/D**	**13,000.**	**/D**
2,4-Dimethylphenol	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6,10,14-TetramethylPentadeca	µg/l	NT		NT		**33.**	**/DN**	NT		NT		NT		NT	
2,6,10-Trimethyldodecane	µg/l	NT		NT		**53.**	**/DN**	NT		NT		NT		NT	
2,6-Dichlorophenol	µg/l	ND(10.)	/U	NT		ND(11.)	/UD	NT		ND(50.)	/UD	**14.**		ND(10.)	/U
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Chlorophenol	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		ND(10.)	/UD	**2.3**		ND(2.0)	/U
2-Cyclohexen-1-one	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylcyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	ND(2.0)	/U	NT		**8.9**	**/D**	NT		**14.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT		**280.**	**/N**	NT	
2-Propanol, 1-(2-methoxy-1-methyl)	µg/l	NT		NT		NT		NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
4-Chlorophenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Ethyl-1,2-dimethylbenzene	µg/l	NT		NT		**51.**	**/DN**	NT		NT		NT		NT	
4-Methylbenzene Methanol	µg/l	NT		NT		**50.**	**/DN**	NT		NT		NT		NT	
Acenaphthene	µg/l	ND(2.0)	/U	NT		**2.2**	**/D**	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Acetophenone	µg/l	ND(10.)	/U	NT		**33.**	**/D**	NT		**160.**	**/D**	ND(10.)	/U	ND(10.)	/U
Benzoic acid	µg/l	ND(10.)	/U	NT		ND(11.)	/UD	NT		ND(50.)	/UD	ND(10.)	/U	ND(10.)	/U
Benzyl alcohol	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		ND(10.)	/UD	**6.1**		**100.**	
bis(2-Ethylhexyl) phthalate	µg/l	**2.9**	**/JB**	NT		**3.8**	**/JD**	NT		**17.**	**/JDB**	ND(5.0)	/U	**4.3**	**/JB**
Butyl benzyl phthalate	µg/l	ND(2.0)	/U	NT		**1.8**	**/JD**	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Dibenzofuran	µg/l	ND(2.0)	/U	NT		**1.3**	**/JD**	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PSCT-4**		**RIMW-6**		**RIMW-7**		**RIMW-7**		**RIMW-7**		**RIMW-8**		**RIMW-8**	
	Sample Date:	**04/11/05**		**04/08/05**		**01/18/05**		**01/19/05**		**04/12/05**		**01/20/05**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31635**		**31626**		**31473**		**31476**		**31639**		**31490**		**31610**	
	Lab Batch:	**0503572**		**0503526**		**0500575**		**0500633**		**0503630**		**0500677**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dimethyl phthalate	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		ND(10.)	/UD	**1.6**	**/J**	ND(2.0)	/U
Di-n-butyl phthalate	µg/l	ND(2.0)	/U	NT		**9.3**	**/D**	NT		**20.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
Dodecane	µg/l	NT		NT		**37.**	**/DN**	NT		NT		NT		NT	
Ethane,1-ethoxy-1-methoxy-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Heptadecane	µg/l	NT		NT		**36.**	**/DN**	NT		NT		NT		NT	
Isophorone	µg/l	ND(2.0)	/U	NT		**2.0**	**/JD**	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
N-Nitrosomorpholine	µg/l	**9.8**	**/J**	NT		ND(11.)	/UD	NT		ND(50.)	/UD	ND(10.)	/U	ND(10.)	/U
o-Cresol	µg/l	ND(2.0)	/U	NT		**4.3**	**/D**	NT		ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Octadecane	µg/l	NT		NT		**24.**	**/DN**	NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		**570.**	**/DN**	NT		NT		NT		NT	
Pentachlorophenol	µg/l	ND(10.)	/U	NT		ND(11.)	/UD	NT		ND(50.)	/UD	ND(10.)	/U	ND(10.)	/U
Phenanthrene	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		**4.4**	**/JD**	ND(2.0)	/U	ND(2.0)	/U
Phenols	µg/l	ND(2.0)	/U	NT		ND(2.2)	/UD	NT		**67.**	**/D**	**300.**	**/D**	**1,900.**	**/D**
Tetrachloroethene	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
1,4-Dichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Acenaphthylene	µg/l	**0.023**	**/J**	NT		**0.049**	**/J**	NT		**0.13**		ND(0.10)	/U	**0.0086**	**/J**
Benzo(a)anthracene	µg/l	**0.012**	**/J**	NT		**0.096**	**/J**	NT		**0.48**		ND(0.10)	/U	**0.011**	**/J**
Benzo(a)pyrene	µg/l	ND(0.10)	/U	NT		ND(0.043)	U*/J	NT		**0.098**	**/J**	ND(0.10)	/U	ND(0.10)	/U
Benzo(b)fluoranthene	µg/l	ND(0.10)	/U	NT		ND(0.03)	U*/J	NT		**0.33**		ND(0.10)	/U	ND(0.10)	/U
Benzo(ghi)perylene	µg/l	**0.03**	**/J**	NT		ND(0.02)	U*/J	NT		**0.062**	**/J**	ND(0.10)	/U	**0.023**	**/J**
Benzo(k)fluoranthene	µg/l	ND(0.10)	/U	NT		ND(0.031)	U*/J	NT		**0.053**	**/J**	ND(0.10)	/U	ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	ND(0.10)	/U	NT		**0.26**		NT		**1.8**		**4.9**	**/D**	**41.**	**/D**
Chrysene	µg/l	ND(0.10)	/U	NT		**0.13**	**B,J***	NT		**0.54**		ND(0.10)	/U	ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	**0.025**	**/J**	NT		ND(0.02)	U*/J	NT		**0.053**	**/J**	ND(0.10)	/U	ND(0.10)	/U
Fluoranthene	µg/l	ND(0.10)	/U	NT		**0.35**		NT		**1.2**		ND(0.10)	/U	**0.39**	**/JD**
Fluorene	µg/l	ND(0.10)	/U	NT		**0.72**		NT		**1.6**		ND(0.10)	/U	**0.015**	**/J**
Indeno(1,2,3-cd)pyrene	µg/l	**0.015**	**/J**	NT		ND(0.019)	U*/J	NT		**0.044**	**/J**	ND(0.10)	/U	ND(0.10)	/U
Naphthalene	µg/l	ND(0.10)	/U	NT		**14.**	**/D**	NT		**13.**	**/D**	**1.2**		**5.8**	**/D**
N-Nitrosodiethylamine	µg/l	**51.**	**/D**	NT		**74.**	**/D**	NT		**81.**	**/D**	ND(0.10)	/U	**1.9**	
N-Nitrosodimethylamine	µg/l	**1.9**		NT		**0.89**		NT		**0.83**		**0.074**		**0.34**	
N-Nitrosodinpropylamine	µg/l	**0.19**	**/B**	NT		**1.6**		NT		**9.2**	**/D**	ND(0.10)	/U	**0.049**	**/JB**
N-Nitrosomethylethylamine	µg/l	ND(0.10)	/U	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	**0.11**	
n-Nitrosopyrrolidine	µg/l	**0.70**		NT		**0.067**	**/J**	NT		**0.28**		ND(0.10)	/U	**0.04**	**/J**
Pyrene	µg/l	ND(0.10)	/U	NT		**0.34**	**J***	NT		**0.88**		ND(0.10)	/U	**1.5**	**/JD**
SW8290															
1,2,3,4,6,7,8-HpCDD	pg/l	ND(3.22)	/U	NT		NT		**92.4**		**396.**		NT		ND(3.41)	/U
1,2,3,4,6,7,8-HpCDF	pg/l	ND(1.29)	/U	NT		NT		**14.2**	**/J**	**74.1**		NT		ND(2.22)	/U
1,2,3,4,7,8,9-HpCDF	pg/l	ND(1.53)	/U	NT		NT		**9.11**	**/J**	**38.5**		NT		ND(2.93)	/U
1,2,3,4,7,8-HxCDF	pg/l	ND(0.903)	/U	NT		NT		ND(3.57)		**18.3**	**/J**	NT		ND(2.56)	/U
1,2,3,6,7,8-HxCDD	pg/l	ND(2.86)	/U	NT		NT		ND(6.81)		**14.2**	**/J**	NT		ND(3.91)	/U
1,2,3,6,7,8-HxCDF	pg/l	ND(0.82)	/U	NT		NT		ND(3.44)		**7.93**	**/J**	NT		ND(2.34)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**PSCT-4**		**RIMW-6**		**RIMW-7**		**RIMW-7**		**RIMW-7**		**RIMW-8**		**RIMW-8**	
	Sample Date:	**04/11/05**		**04/08/05**		**01/18/05**		**01/19/05**		**04/12/05**		**01/20/05**		**04/07/05**	
	Sample Depth (feet):														
	Sample Number:	**31635**		**31626**		**31473**		**31476**		**31639**		**31490**		**31610**	
	Lab Batch:	**0503572**		**0503526**		**0500575**		**0500633**		**0503630**		**0500677**		**0503484**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2,3,7,8,9-HxCDD	pg/l	ND(2.47)	/U	NT		NT		ND(5.58)		**6.76**	**/J**	NT		ND(3.66)	/U
1,2,3,7,8,9-HxCDF	pg/l	ND(0.963)	/U	NT		NT		ND(4.19)		**7.87**	**/J**	NT		ND(3.45)	/U
1,2,3,7,8-PeCDF	pg/l	ND(0.961)	/U	NT		NT		ND(4.64)		ND(3.49)	/U	NT		ND(3.52)	/U
2,3,4,6,7,8-HxCDF	pg/l	ND(0.832)	/U	NT		NT		ND(2.97)		**5.92**	**/J**	NT		ND(2.57)	/U
2,3,4,7,8-PeCDF	pg/l	ND(0.949)	/U	NT		NT		ND(7.11)		**14.1**	**/J**	NT		ND(3.56)	/U
2,3,7,8-TCDD	pg/l	ND(0.784)	/U	NT		NT		ND(2.46)		ND(4.25)	/U F	NT		ND(1.55)	/U
2,3,7,8-TCDF	pg/l	ND(0.744)	/U	NT		NT		ND(4.46)		**5.61**	**/F**	NT		ND(1.14)	/U
Hepta-CDD (total)	pg/l	NT		NT		NT		**151.**		NT		NT		NT	
Hepta-CDFs (total)	pg/l	NT		NT		NT		**49.3**		NT		NT		NT	
Hexa-CDD (total)	pg/l	NT		NT		NT		ND(9.57)		NT		NT		NT	
Hexa-CDF (total)	pg/l	NT		NT		NT		ND(4.19)		NT		NT		NT	
OCDD	pg/l	ND(11.2)	/U	NT		NT		**1,910.**		**9,680.**		NT		**9.04**	**/J**
OCDF	pg/l	ND(2.27)	/U	NT		NT		**47.5**	**/J**	**309.**		NT		ND(5.92)	/U
PeCDD (total)	pg/l	NT		NT		NT		ND(3.47)		NT		NT		NT	
PeCDF (total)	pg/l	NT		NT		NT		**33.2**		NT		NT		NT	
TCDD (total)	pg/l	NT		NT		NT		ND(5.25)		NT		NT		NT	
TCDF (total)	pg/l	NT		NT		NT		**276.**	**/D,M**	NT		NT		NT	
SW9012															
Cyanide (Free)	mg/l	ND(0.02)	/U	NT		**0.012**	**/J**	NT		**0.01**	**/J**	ND(0.02)	/U	**0.01**	**/J**
Cyanide Amenable to Chlorination	mg/l	ND(0.02)	/U	NT		**0.00**	**/U**	NT		ND(0.02)	/U	**0.00**	**/U**	ND(0.02)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
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	Station Number:	RIMW-10		RIMW-11		RIPZ-15		RIPZ-15		RIPZ-15		RIPZ-15		RIPZ-16	
	Sample Date:	10/20/06		10/18/06		05/08/06		05/08/06		10/24/06		10/24/06		05/09/06	
	Sample Depth (feet):														
	Sample Number:	31948		31933		31909		31909		31968		31968		31913	
	Lab Batch:	0611037		0610931		0604536		3877		0611138		4139		0604613	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	7.56		7.57		7.64		NT		7.94		NT		7.86	
E160.1															
Total Dissolved Solids (TDS)	mg/l	7,500.		2,000.	/D	2,700.	/D	NT		2,800.		NT		4,100.	/D
E200.8															
Antimony-D	µg/l	ND(10.)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(4.0)	/UD
Antimony-T	µg/l	ND(10.)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(4.0)	/UD
Arsenic-D	µg/l	14.		11.		6.4		NT		4.7		NT		10.	/D
Arsenic-T	µg/l	15.		5.0		ND(2.0)	/U	NT		2.9		NT		ND(4.0)	/UD
Beryllium-D	µg/l	ND(5.0)		ND(1.0)	/U	0.069	/J	NT		ND(1.0)		NT		ND(2.0)	/UD
Beryllium-T	µg/l	0.80	/J	ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)		NT		0.23	/JD
Cadmium-D	µg/l	1.2	/J	ND(2.0)	/UD	0.33	/J	NT		ND(1.0)		NT		ND(2.0)	/UD
Cadmium-T	µg/l	2.8	/J	ND(2.0)	/UD	0.05	/J	NT		ND(2.0)		NT		0.062	/JD
Lead-D	µg/l	ND(5.0)		0.24	/J	0.66	J/J	NT		0.29	/J	NT		0.58	J/JD
Lead-T	µg/l	10.		0.20	/J	1.0		NT		0.68	/J	NT		2.5	/D
Selenium-D	µg/l	120.		6.5		9.4		NT		12.		NT		11.	/D
Selenium-T	µg/l	71.		1.7	/J	2.6		NT		2.4		NT		4.7	/D
Silver-D	µg/l	ND(5.0)		ND(1.0)	/U	0.20	/J	NT		ND(1.0)		NT		0.27	/JD
Silver-T	µg/l	ND(5.0)		ND(1.0)	/U	0.036	/J	NT		ND(1.0)		NT		ND(2.0)	/UD
Thallium-D	µg/l	ND(5.0)		ND(1.0)	/U	0.84	/J	NT		ND(1.0)		NT		0.97	/JD
Thallium-T	µg/l	ND(5.0)		ND(1.0)	/U	0.14	/J	NT		ND(1.0)		NT		ND(2.0)	/UD
Tin-T	µg/l	1.9	/J	ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)		NT		ND(2.0)	/UD
Zinc-D	µg/l	9.6	/J	8.0	/B	14.		NT		7.2		NT		13.	/D
Zinc-T	µg/l	85.		4.3	/JB	16.	/B	NT		11.		NT		19.	/DB
E300.0															
Bromide	mg/l	23.		2.1	/D	1.7	/D	NT		1.6		NT		1.6	/D
Chloride	mg/l	2,900.		580.	/D	470.	/D	NT		470.		NT		700.	/D
Fluoride	mg/l	ND(0.50)		0.26	/D	0.22	/JD	NT		ND(0.25)		NT		1.6	/D
Nitrate (as NO3)	mg/l	23.		ND(0.88)	/U	ND(2.2)	/U	NT		ND(2.2)		NT		ND(2.2)	/U
Nitrate as N	mg/l	5.2		ND(0.20)	/UD	ND(0.50)	/UD	NT		ND(0.50)		NT		ND(0.50)	/UD
Sulfate	mg/l	850.		4.1	/D	930.	/D	NT		960.		NT		1,400.	/D
E310.1															
Alkalinity as CaCO3	mg/l	NT		NT		NT		NT		NT		NT		NT	
Bicarbonate Alkalinity as CaCO3	mg/l	140.		1,100.	/D	880.	/D	NT		860.		NT		1,200.	/D
E314.0															
Perchlorate	µg/l	NT		NT		ND(4.0)	/U	NT		NT		NT		ND(40.)	/UD
E360.1															
Dissolved Oxygen	mg/l	NT		NT		NT		NT		NT		NT		NT	
E376.2															
Sulfide	µg/l	0.31		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		0.15	
E410.4															

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chemical Oxygen Demand	µg/l	NT		NT		NT		NT		NT		NT		NT	
E504.1															
1,2 Dibromoethane (EDB)	µg/l	ND(0.01)		ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)		NT		ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	ND(0.05)		**0.05**		ND(0.05)	/U	NT		ND(0.05)		NT		ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)		ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)		NT		ND(0.01)	/U
EPA8081															
Endrin	µg/l	ND(0.0057)		ND(0.005)	/U	ND(0.005)	/U	NT		ND(0.0056)		NT		ND(0.005)	/U
Heptachlor	µg/l	**0.011**		ND(0.005)	/U	ND(0.005)	/U	NT		ND(0.0056)		NT		ND(0.005)	/U
Hexachlorobenzene	µg/l	ND(0.023)		ND(0.02)	/U	ND(0.02)	/U	NT		ND(0.022)		NT		**0.042**	
Kepone	µg/l	ND(1.1)		**0.044**	**/J**	ND(1.0)	/U	NT		ND(1.1)		NT		ND(1.0)	/U
Lindane	µg/l	ND(0.0057)		ND(0.005)	/U	ND(0.005)	/U	NT		**0.0034**	**/J**	NT		ND(0.005)	/U
EPA8141															
Dimethoate	µg/l	ND(0.20)		ND(0.20)	/U	ND(0.20)	/U	NT		ND(0.20)	/U	NT		ND(0.20)	/U
Disulfoton	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U	NT		ND(0.50)	/U
Methyl parathion	µg/l	ND(0.20)		ND(0.20)	/U	ND(0.20)	/U	NT		ND(0.20)	/U	NT		ND(0.20)	/U
o,o,o-Triethyl phosphorothioate	µg/l	ND(0.20)		ND(0.20)	/U	ND(0.20)	/U	NT		ND(0.20)	/U	NT		ND(0.20)	/U
Phorate	µg/l	ND(0.20)		ND(0.20)	/U	ND(0.20)	/U	NT		ND(0.20)	/U	NT		ND(0.20)	/U
Phosmet	µg/l	ND(0.20)		ND(0.20)	/U	ND(0.20)	/U	NT		ND(0.20)	/U	NT		ND(0.20)	/U
EPA8151															
2,4,5-TP (Silvex)	µg/l	ND(0.07)		ND(0.07)	/U	ND(0.07)	/U	NT		ND(0.07)		NT		ND(0.07)	/U
2,4,5-Trichlorophenoxyacetic acid	µg/l	ND(0.09)		ND(0.09)	/U	ND(0.09)	/U	NT		ND(0.09)		NT		ND(0.09)	/U
2,4-D	µg/l	ND(0.40)		ND(0.40)	/U	ND(0.40)	/U	NT		ND(0.40)	/U	NT		ND(0.40)	/U
Dicamba	µg/l	ND(0.08)		ND(0.08)	/U	ND(0.08)	/U	NT		ND(0.08)		NT		ND(0.08)	/U
Dichloroprop	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
MCPA	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)	/U	NT		ND(10.)	/U
MCPP	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)	/U	NT		ND(10.)	/U
EPA8330															
2,6-Dinitrotoluene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Amino-4,6-DNT	µg/l	NT		NT		NT		NT		NT		NT		NT	
HMX	µg/l	NT		NT		NT		NT		NT		NT		NT	
RDX	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetryl	µg/l	NT		NT		NT		NT		NT		NT		NT	
SM5210B															
Biochemical Oxygen Demand	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW6010															
Aluminum-T	µg/l	**10,000.**		ND(250.)	/UD	**91.**		NT		ND(250.)		NT		ND(250.)	/UD
Barium-D	µg/l	**68.**		**160.**	**/D**	**12.**		NT		**14.**	**/J**	NT		ND(50.)	/UD
Barium-T	µg/l	**130.**		**160.**	**/D**	**14.**		NT		**14.**	**/J**	NT		**14.**	**/JD**
Calcium-D	mg/l	**790.**		**48.**	**/D**	**66.**		NT		**68.**		NT		**61.**	**/D**
Calcium-T	mg/l	**770.**		**49.**	**/D**	**64.**	**/B**	NT		**67.**		NT		**62.**	**/DB**
Chromium-D	µg/l	ND(50.)		ND(50.)	/UD	ND(10.)	/U			ND(50.)	/U			ND(50.)	/UD
Chromium-T	µg/l	**29.**	**/J**	ND(50.)	/UD	**3.2**	**/J**	NT		ND(50.)		NT		ND(50.)	/UD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Cobalt-D	µg/l	ND(250.)		ND(250.)	/UD	ND(50.)	/U	NT		ND(250.)		NT		ND(250.)	/UD
Copper-D	µg/l	ND(50.)		ND(50.)	/UD	ND(10.)	/U	NT		ND(50.)		NT		ND(50.)	/UD
Copper-T	µg/l	**17.**	**/J**	ND(50.)	/UD	**3.7**	**/J**	NT		ND(50.)		NT		ND(50.)	/UD
Iron-D	µg/l	ND(250.)		**120.**	**/JD**	**210.**		NT		**280.**		NT		**230.**	**/JD**
Iron-T	µg/l	**20,000.**		**160.**	**/JD**	**420.**		NT		**340.**		NT		**350.**	**/D**
Magnesium-D	mg/l	**310.**		**75.**	**/D**	**90.**		NT		**88.**		NT		**76.**	**/D**
Magnesium-T	mg/l	**320.**		**77.**	**/D**	**85.**		NT		**87.**		NT		**79.**	**/D**
Manganese-D	µg/l	**110.**		ND(50.)	/UD	**51.**		NT		**59.**		NT		**31.**	**/JD**
Manganese-T	µg/l	**320.**		**27.**	**/JD**	**68.**		NT		**57.**		NT		**40.**	**/JD**
Molybdenum-D	µg/l	**41.**	**/J**	ND(250.)	/UD	ND(50.)	/U	NT		ND(250.)		NT		ND(250.)	/UD
Molybdenum-T	µg/l	**44.**	**/J**	**21.**	**/JD**	**6.8**	**/J**	NT		ND(250.)		NT		**13.**	**/JD**
Nickel-D	µg/l	ND(50.)		ND(50.)	/UD	ND(10.)	/U	NT		ND(50.)		NT		ND(50.)	/UD
Nickel-T	µg/l	**46.**	**/J**	ND(50.)	/UD	**3.6**	**/J**	NT		ND(50.)		NT		ND(50.)	/UD
Potassium-D	mg/l	**37.**		**24.**	**/D**	**41.**		NT		**37.**		NT		**42.**	**/D**
Potassium-T	mg/l	**44.**		**24.**	**/D**	**37.**		NT		**37.**		NT		**40.**	**/D**
Sodium-D	mg/l	**760.**		**610.**	**/D**	**870.**		NT		**790.**		NT		**1,400.**	**/D**
Sodium-T	mg/l	**720.**		**640.**	**/D**	**760.**		NT		**760.**		NT		**1,300.**	**/D**
Vanadium-D	µg/l	**30.**	**/J**	ND(50.)	/UD	**8.4**	**/J**	NT		ND(50.)		NT		**30.**	**/JD**
Vanadium-T	µg/l	**62.**		ND(50.)	/UD	**6.4**	**/J**	NT		**12.**	**/J**	NT		ND(50.)	/UD
SW7470															
Mercury-D	µg/l	ND(0.20)		**0.032**	**/J**	**0.04**	**/J**	NT		ND(0.20)		NT		**0.042**	**/J**
Mercury-T	µg/l	**0.04**	**/J**	ND(0.20)	/U	**0.02**	**/J**	NT		**0.058**	**/J**	NT		ND(0.20)	/U
SW8015B-DI															
1-Propanol	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
2-Picoline	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
Acetone	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
Ethanol	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		**260.**	**/J**
Ethylene glycol	µg/l	ND(5000.)		ND(5000.)	/U	**9,200.**		NT		ND(5,600.)		NT		**8,000.**	
Ethylene Oxide		ND(500.)		**14,000.**		ND(5000.)	/U	NT		ND(560.)		NT		ND(5,700.)	/U
Isobutyl alcohol	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
Isopropanol	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
Methanol	µg/l	ND(500.)		**8,900.**		ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
Methyl Ethyl Ketone	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		**2,300.**	
n-Nitrosodinbutylamine	µg/l	ND(500.)		ND(500.)	/U	ND(500.)	/U	NT		ND(560.)		NT		ND(500.)	/U
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8260															
1,1 Dichloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**940.**	**/D**
1,1 Dichloroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**9.4**	
1,1,1 Trichloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
1,1,2 Trichloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,2,2 Tetrachloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
1,2 Dichloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**3.1**	
1,2 Dichloroethene	µg/l	ND(1.0)		ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)		NT		**6,800.**	**/D**
1,2 Dichloropropane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**43.**	
1,2,3-Trichlorobenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
1,2,4 Trimethylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**5.7**	
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT		NT		NT		NT		NT		**11,000.**	**/JDN**
1,2-Dichlorobenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
1,3 Dichlorobenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
1,3,5 Trimethylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**1.9**	
1,4 Dichlorobenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
2 Chlorotoluene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.40**	**/J**
2-Butanol	µg/l	ND(50.)		ND(50.)	/U	ND(50.)	/U	NT		ND(50.)		NT		ND(50.)	/U
2-Methyl-3-pentyn-2-ol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Isopropyltoluene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.32**	**/J**
Acetone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Benzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**6.4**	
Carbon Tetrachloride	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
Chloroethane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**28.**	
Chloroform	µg/l	**0.40**	**/J**	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
Chlorotrifluoroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**68.**	**/D**
Cis 1,2 Dichloroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**6,800.**	**/D**
Dichlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diethyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		**10.**	**/JN**
Diisopropyl ether	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.59**	
Ethyl Benzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**57.**	
Freon 11	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
Freon 112	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
Freon 113	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**260.**	**/D**
Freon 12	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		ND(0.50)	/U
Isopropanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Isopropylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.88**	
Methyl Ethyl Ketone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.53**	
Methylene Chloride	µg/l	ND(1.0)		**0.20**	**/J**	ND(1.0)	/U	NT		**0.17**	**/J**	NT		**2.3**	
n Propylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.98**	
n-Butylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.39**	**/J**
o-Xylene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**15.**	
Sec-Butylbenzene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**0.24**	**/J**
Sulfuryl chloride fluoride	µg/l	NT		NT		NT		NT		NT		NT		**60.**	**/JN**
Tetrachloroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**160.**	**/E**
Tetrahydrofuran	µg/l	ND(20.)		ND(20.)	/U	ND(20.)	/U	NT		ND(20.)		NT		ND(20.)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Toluene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**100.**	**/E**
trans 1,2 Dichloroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**50.**	**/D**
Trichloroethene	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**87.**	
Vinyl Chloride	µg/l	ND(0.50)		ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)		NT		**15.**	
Xylenes	µg/l	ND(0.50)		ND(0.50)	/U	ND(1.0)	/U	NT		ND(0.50)		NT		**42.**	
SW8270															
,5-Dimethylbenzoic Acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,3-Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		**9.9**	**/JN**
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		**8.8**	**/JN**
1,2,4-Trichlorobenzene	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
1-Ethyl-2-methylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-(2-Phenoxyethoxy)-Ethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
2,4,5-Trichlorophenol	µg/l	ND(5.0)		ND(5.0)	/U	ND(5.0)	/U	NT		ND(5.0)		NT		ND(5.0)	/U
2,4-Dichlorophenol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
2,4-Dimethylphenol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6,10,14-TetramethylPentadeca	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6,10-Trimethyldodecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6-Dichlorophenol	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Chlorophenol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
2-Cyclohexen-1-one	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylcyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Propanol, 1-(2-methoxy-1-methyl)	µg/l	NT		NT		NT		NT		NT		NT		**7.0**	**/JN**
3- & 4-Methylphenol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
4-Chlorophenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Ethyl-1,2-dimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Methylbenzene Methanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Acenaphthene	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Acetophenone	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		**3.3**	**/J**
Benzoic acid	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
Benzyl alcohol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
bis(2-Ethylhexyl) phthalate	µg/l	**1.3**	**/J**	ND(4.0)	/U	ND(5.0)	/U	NT		**2.0**	**/J**	NT		ND(5.0)	/U
Butyl benzyl phthalate	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Dibenzofuran	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dimethyl phthalate	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Di-n-butyl phthalate	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Dodecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethane,1-ethoxy-1-methoxy-	µg/l	NT		NT		NT		NT		NT		NT		**5.9**	**/JN**
Heptadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Isophorone	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		**4.6**	
N-Nitrosomorpholine	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
o-Cresol	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Octadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	ND(10.)		ND(10.)	/U	ND(10.)	/U	NT		ND(10.)		NT		ND(10.)	/U
Phenanthrene	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Phenols	µg/l	ND(2.0)		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)		NT		ND(2.0)	/U
Tetrachloroethene	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
1,4-Dichlorobenzene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		**0.09**	**/J**
Acenaphthylene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Benzo(a)anthracene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.063)	/U	NT		ND(0.10)		NT		ND(0.064)	/U
Benzo(a)pyrene	µg/l	**0.019**	**/J**	**0.018**	**/J**	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Benzo(b)fluoranthene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Benzo(ghi)perylene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		**0.013**	**/J**	NT		**0.024**	**/J**
Chrysene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	**0.022**	**/J**	ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Fluoranthene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Fluorene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		**0.018**	**/J**
Indeno(1,2,3-cd)pyrene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Naphthalene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		**0.56**	
N-Nitrosodiethylamine	µg/l	**0.041**	**/J**	ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		**0.98**	
N-Nitrosodimethylamine	µg/l	NT		NT		NT		NT		NT		NT		NT	
N-Nitrosodinpropylamine	µg/l	**0.058**	**/J**	ND(0.10)	/U	ND(0.25)	U/B	NT		ND(0.10)		NT		ND(0.35)	U/B
N-Nitrosomethylethylamine	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
Pyrene	µg/l	ND(0.10)		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)		NT		ND(0.10)	/U
SW8290															
1,2,3,4,6,7,8-HpCDD	pg/l	ND(1.71)	/U	ND(0.967)	/U	NT		ND(1.1)	/U	NT		ND(1.56)	/U	NT	
1,2,3,4,6,7,8-HpCDF	pg/l	ND(0.883)	/U	ND(0.47)	/U	NT		ND(0.447)	/U	NT		ND(0.654)	/U	NT	
1,2,3,4,7,8,9-HpCDF	pg/l	ND(1.09)	/U	ND(0.557)	/U	NT		ND(0.799)	/U	NT		ND(0.792)	/U	NT	
1,2,3,4,7,8-HxCDF	pg/l	ND(0.952)	/U	ND(0.95)	/U	NT		ND(0.351)	/U	NT		ND(0.864)	/U	NT	
1,2,3,6,7,8-HxCDD	pg/l	ND(2.0)	/U	ND(1.28)	/U	NT		ND(1.05)	/U	NT		ND(1.71)	/U	NT	
1,2,3,6,7,8-HxCDF	pg/l	ND(0.877)	/U	ND(0.872)	/U	NT		ND(0.402)	/U	NT		ND(0.841)	/U	NT	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIMW-10**		**RIMW-11**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-15**		**RIPZ-16**	
	Sample Date:	**10/20/06**		**10/18/06**		**05/08/06**		**05/08/06**		**10/24/06**		**10/24/06**		**05/09/06**	
	Sample Depth (feet):														
	Sample Number:	**31948**		**31933**		**31909**		**31909**		**31968**		**31968**		**31913**	
	Lab Batch:	**0611037**		**0610931**		**0604536**		**3877**		**0611138**		**4139**		**0604613**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2,3,7,8,9-HxCDD	pg/l	ND(2.1)	/U	ND(1.41)	/U	NT		ND(0.461)	/U	NT		ND(1.09)	/U	NT	
1,2,3,7,8,9-HxCDF	pg/l	ND(0.95)	/U	ND(1.13)	/U	NT		ND(0.461)	/U	NT		ND(1.09)	/U	NT	
1,2,3,7,8-PeCDF	pg/l	ND(1.61)	/U	ND(0.602)	/U	NT		ND(0.911)	/U	NT		ND(1.62)	/U	NT	
2,3,4,6,7,8-HxCDF	pg/l	ND(1.0)	/U	ND(0.993)	/U	NT		ND(0.43)	/U	NT		ND(0.962)	/U	NT	
2,3,4,7,8-PeCDF	pg/l	ND(1.52)	/U	ND(0.516)	/U	NT		ND(0.812)	/U	NT		ND(1.44)	/U	NT	
2,3,7,8-TCDD	pg/l	ND(0.868)	/U	ND(0.583)	/U	NT		ND(0.701)	/U	NT		ND(0.911)	/U	NT	
2,3,7,8-TCDF	pg/l	ND(1.09)	/U	ND(0.544)	/U	NT		ND(0.285)	/U	NT		ND(0.532)	/U	NT	
Hepta-CDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hepta-CDFs (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hexa-CDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hexa-CDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
OCDD	pg/l	ND(7.1)	/U	ND(2.16)	/U	NT		ND(2.83)	/U	NT		ND(5.19)	/U	NT	
OCDF	pg/l	ND(2.33)	/U	ND(1.47)	/U	NT		ND(1.97)	/U	NT		ND(2.16)	/U	NT	
PeCDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
PeCDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
TCDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
TCDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
SW9012															
Cyanide (Free)	mg/l	ND(0.02)		ND(0.02)	/U	ND(0.02)	/U	NT		ND(0.02)		NT		ND(0.02)	/U
Cyanide Amenable to Chlorination	mg/l	ND(0.02)		ND(0.02)	/U	ND(0.02)	/U	NT		ND(0.02)		NT		ND(0.02)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1											
pH	ph	NT		**7.48**		NT		**7.33**		**6.92**	
E160.1											
Total Dissolved Solids (TDS)	mg/l	NT		**4,300.**		NT		**11,000.**	**/D**	**12,000.**	**/D**
E200.8											
Antimony-D	µg/l	NT		ND(4.0)		NT		**1.4**	**/J**	ND(10.)	/UD
Antimony-T	µg/l	NT		ND(4.0)		NT		**0.92**	**/J**	ND(10.)	/UD
Arsenic-D	µg/l	NT		**4.2**		NT		**34.**		**43.**	**/D**
Arsenic-T	µg/l	NT		**2.2**	**/J**	NT		**23.**		**34.**	**/D**
Beryllium-D	µg/l	NT		ND(2.0)		NT		**0.029**	**J-/J**	**0.24**	**/JD**
Beryllium-T	µg/l	NT		ND(2.0)		NT		**0.46**	**/J**	ND(5.0)	/UD
Cadmium-D	µg/l	NT		ND(2.0)		NT		**0.99**	**/JB**	**0.56**	**/JD**
Cadmium-T	µg/l	NT		ND(2.0)		NT		**1.7**	**/B**	**4.3**	**/JD**
Lead-D	µg/l	NT		ND(2.0)		NT		**0.099**	**/J**	**0.58**	**/JD**
Lead-T	µg/l	NT		ND(2.0)		NT		**2.6**		**6.8**	**/D**
Selenium-D	µg/l	NT		**12.**		NT		**120.**	**J+**	**130.**	**/D**
Selenium-T	µg/l	NT		ND(4.0)		NT		**46.**	**J**	**75.**	**/D**
Silver-D	µg/l	NT		ND(2.0)		NT		**0.069**	**J-/J**	ND(5.0)	/UD
Silver-T	µg/l	NT		ND(2.0)		NT		**0.28**	**/J**	**0.27**	**/JD**
Thallium-D	µg/l	NT		ND(2.0)		NT		ND(1.0)	/U	**0.36**	**/JD**
Thallium-T	µg/l	NT		ND(2.0)		NT		ND(1.0)	/U	ND(5.0)	/UD
Tin-T	µg/l	NT		ND(2.0)		NT		**1.2**		ND(5.0)	/UD
Zinc-D	µg/l	NT		**6.0**	**/J**	NT		**150.**		**150.**	**/D**
Zinc-T	µg/l	NT		**20.**		NT		**31.**		**13.**	**/JD**
E300.0											
Bromide	mg/l	NT		**1.6**		NT		**18.**	**/D**	**24.**	**/D**
Chloride	mg/l	NT		**710.**		NT		**2,000.**	**/D**	**2,100.**	**/D**
Fluoride	mg/l	NT		**1.4**		NT		ND(1.0)	/UD	**0.62**	**/JD**
Nitrate (as NO3)	mg/l	NT		**1.5**	**/J**	NT		ND(8.8)	/UD	ND(8.8)	/UD
Nitrate as N	mg/l	NT		**0.34**	**/J**	NT		ND(2.0)	/UD	ND(2.0)	/UD
Sulfate	mg/l	NT		**1,500.**		NT		**4,900.**	**/D**	**4,500.**	**/D**
E310.1											
Alkalinity as CaCO3	mg/l	NT		NT		NT		NT		NT	
Bicarbonate Alkalinity as CaCO3	mg/l	NT		**1,200.**		NT		**1,900.**	**/D**	**2,100.**	**/D**
E314.0											
Perchlorate	µg/l	NT		ND(20.)		NT		ND(20.)	/UD	ND(20.)	/UD
E360.1											
Dissolved Oxygen	mg/l	NT		NT		NT		NT		NT	
E376.2											
Sulfide	µg/l	NT		**0.19**		NT		ND(100.)	/U	ND(100.)	/U
E410.4											

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chemical Oxygen Demand	µg/l	NT		NT		NT		NT		NT	
E504.1											
1,2 Dibromoethane (EDB)	µg/l	NT		ND(0.01)		NT		ND(0.01)	/U	ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	NT		ND(0.05)		NT		ND(0.05)	/U	ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	NT		ND(0.01)		NT		ND(0.01)	/U	ND(0.01)	/U
EPA8081											
Endrin	µg/l	NT		ND(0.005)		NT		ND(0.005)	/U	ND(0.005)	/U
Heptachlor	µg/l	NT		ND(0.005)		NT		ND(0.005)	/U	ND(0.005)	UJ/U
Hexachlorobenzene	µg/l	NT		ND(0.02)		NT		ND(0.02)	/U	ND(0.02)	/UJ
Kepone	µg/l	NT		ND(1.0)		NT		ND(1.0)	/U	ND(0.01)	UJ/U
Lindane	µg/l	NT		ND(0.005)		NT		ND(0.005)	/U	ND(0.005)	/UJ
EPA8141											
Dimethoate	µg/l	NT		ND(0.20)	/U	NT		ND(0.22)	/UD	ND(0.22)	/UD
Disulfoton	µg/l	NT		ND(0.50)	/U	NT		ND(0.56)	/UD	ND(0.56)	/UD
Methyl parathion	µg/l	NT		ND(0.20)	/U	NT		ND(0.22)	/UD	ND(0.22)	/UD
o,o,o-Triethyl phosphorothioate	µg/l	NT		ND(0.20)	/U	NT		ND(0.22)	/UD	**0.049**	**/JD**
Phorate	µg/l	NT		ND(0.20)	/U	NT		ND(0.22)	/UD	ND(0.22)	/UD
Phosmet	µg/l	NT		ND(0.20)	/U	NT		ND(0.22)	/UD	ND(0.22)	/UD
EPA8151											
2,4,5-TP (Silvex)	µg/l	NT		ND(0.07)		NT		ND(0.07)	/U	**23.**	**/DP**
2,4,5-Trichlorophenoxyacetic acid	µg/l	NT		ND(0.09)		NT		ND(0.09)	/U	**4.7**	**/DP**
2,4-D	µg/l	NT		ND(0.40)	/U	NT		ND(0.40)	/U	**28.**	**/D**
Dicamba	µg/l	NT		ND(0.08)		NT		ND(0.08)	/U	**11.**	**/DP**
Dichloroprop	µg/l	NT		ND(0.50)		NT		ND(0.50)	/U	**670.**	**/D**
MCPA	µg/l	NT		ND(10.)	/U	NT		ND(10.)	/U	**1,300.**	**/DP**
MCPP	µg/l	NT		ND(10.)	/U	NT		ND(10.)	/U	**8,600.**	**/DP**
EPA8330											
2,6-Dinitrotoluene	µg/l	NT		NT		NT		ND(7.6)	/UD	ND(6.8)	/UD
2-Amino-4,6-DNT	µg/l	NT		NT		NT		ND(7.6)	/UD	ND(6.8)	/UD
HMX	µg/l	NT		NT		NT		**39.**	**J/D**	ND(6.8)	/UD
RDX	µg/l	NT		NT		NT		**6.8**	**J/JD**	**12.**	**/D**
Tetryl	µg/l	NT		NT		NT		ND(7.6)	/UD	ND(6.8)	/UD
SM5210B											
Biochemical Oxygen Demand	µg/l	NT		NT		NT		NT		NT	
SW6010											
Aluminum-T	µg/l	NT		ND(250.)		NT		**870.**	**J/D**	**1,000.**	**/D**
Barium-D	µg/l	NT		ND(50.)		NT		**110.**	**/D**	**160.**	**/D**
Barium-T	µg/l	NT		**11.**	**/J**	NT		**26.**	**/JD**	**42.**	**/JD**
Calcium-D	mg/l	NT		**62.**		NT		**710.**	**/DB**	**770.**	**/D**
Calcium-T	mg/l	NT		**65.**		NT		**760.**	**/DB**	**770.**	**/DB**
Chromium-D	µg/l			ND(50.)	/UD			**55.**	**/D**	**40.**	**/JD**
Chromium-T	µg/l	NT		ND(50.)		NT		**63.**	**/D**	ND(50.)	/UD

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	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Cobalt-D	µg/l	NT		ND(250.)		NT		ND(250.)	/UD	ND(250.)	/UD
Copper-D	µg/l	NT		ND(50.)		NT		**57.**	**/D**	ND(50.)	/UD
Copper-T	µg/l	NT		ND(50.)		NT		ND(50.)	/UD	**54.**	**/DB**
Iron-D	µg/l	NT		**300.**		NT		**12,000.**	**/D**	**8,100.**	**/D**
Iron-T	µg/l	NT		**350.**		NT		**17,000.**	**/D**	**13,000.**	**/D**
Magnesium-D	mg/l	NT		**79.**		NT		**1,400.**	**/D**	**1,400.**	**/D**
Magnesium-T	mg/l	NT		**84.**		NT		**1,500.**	**/D**	**1,500.**	**/D**
Manganese-D	µg/l	NT		**36.**	**/J**	NT		**5,000.**	**/D**	**5,300.**	**/D**
Manganese-T	µg/l	NT		**31.**	**/J**	NT		**5,300.**	**/D**	**5,400.**	**/D**
Molybdenum-D	µg/l	NT		ND(250.)		NT		**130.**	**/JD**	**39.**	**/JD**
Molybdenum-T	µg/l	NT		ND(250.)		NT		**140.**	**/JD**	**54.**	**/JD**
Nickel-D	µg/l	NT		ND(50.)		NT		**410.**	**/D**	**390.**	**/D**
Nickel-T	µg/l	NT		ND(50.)		NT		**440.**	**/D**	**350.**	**/D**
Potassium-D	mg/l	NT		**40.**		NT		**57.**	**/D**	**57.**	**/D**
Potassium-T	mg/l	NT		**50.**		NT		**62.**	**J/D**	**64.**	**/D**
Sodium-D	mg/l	NT		**1,300.**		NT		**940.**	**/D**	**980.**	**/D**
Sodium-T	mg/l	NT		**1,400.**		NT		**1,000.**	**/D**	**1,000.**	**/D**
Vanadium-D	µg/l	NT		ND(50.)		NT		**24.**	**/JD**	ND(50.)	/UD
Vanadium-T	µg/l	NT		**15.**	**/J**	NT		**11.**	**/JD**	**27.**	**/JD**
SW7470											
Mercury-D	µg/l	NT		**0.028**	**/J**	NT		ND(0.20)	/U	ND(0.40)	/UD
Mercury-T	µg/l	NT		ND(0.20)		NT		ND(0.20)	/U	ND(0.40)	/UD
SW8015B-DI											
1-Propanol	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
2-Picoline	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Acetone	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Ethanol	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Ethylene glycol	µg/l	NT		ND(5,600.)		NT		ND(21,000.)	U/B	ND(5,000.)	/U
Ethylene Oxide		NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Isobutyl alcohol	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Isopropanol	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
Methanol	µg/l	NT		ND(560.)		NT		**410.**	**/J**	ND(500.)	/U
Methyl Ethyl Ketone	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
n-Nitrosodinbutylamine	µg/l	NT		ND(560.)		NT		ND(500.)	/U	ND(500.)	/U
SW8015M											
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		NT		NT	
SW8260											
1,1 Dichloroethane	µg/l	NT		**880.**		NT		**2,600.**	**/D**	**2,800.**	**/D**
1,1 Dichloroethene	µg/l	NT		ND(50.)		NT		**790.**	**/D**	**970.**	**/D**
1,1,1 Trichloroethane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,1,2 Trichloroethane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,2,2 Tetrachloroethane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,2 Dichloroethane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,2 Dichloroethene	µg/l	NT		**8,700.**		NT		**30,000.**	**/D**	**31,000.**	**/D**
1,2 Dichloropropane	µg/l	NT		**50.**		NT		ND(100.)	/UD	ND(50.)	/UD
1,2,3-Trichlorobenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,2,4 Trimethylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		**11,000.**	**/N**	NT		NT		NT	
1,2-Dichlorobenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,3 Dichlorobenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,3,5 Trimethylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
1,4 Dichlorobenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
2 Chlorotoluene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
2-Butanol	µg/l	NT		ND(5,000.)		NT		ND(10,000.)	/UD	ND(5,000.)	/UD
2-Methyl-3-pentyn-2-ol	µg/l	NT		**200.**	**/N**	NT		NT		NT	
4-Isopropyltoluene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Acetone	µg/l	NT		NT		NT		NT		NT	
Benzene	µg/l	NT		ND(50.)		NT		**140.**	**/D**	**190.**	**/D**
Carbon Tetrachloride	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Chloroethane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Chloroform	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Chlorotrifluoroethene	µg/l	NT		ND(50.)		NT		**390.**	**/D**	**360.**	**/D**
Cis 1,2 Dichloroethene	µg/l	NT		**8,600.**		NT		**30,000.**	**/D**	**30,000.**	**/D**
Dichlorofluoromethane	µg/l	NT		NT		NT		NT		NT	
Diethyl sulfide	µg/l	NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Ethyl Benzene	µg/l	NT		**95.**		NT		**150.**	**/D**	**350.**	**/D**
Freon 11	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Freon 112	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Freon 113	µg/l	NT		**340.**		NT		**120.**	**/D**	**180.**	**/D**
Freon 12	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Isopropanol	µg/l	NT		NT		NT		NT		NT	
Isopropylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Methyl Ethyl Ketone	µg/l	NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Methylene Chloride	µg/l	NT		**32.**	**/J**	NT		**130.**	**/JD**	**54.**	**/JD**
n Propylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
n-Butylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
o-Xylene	µg/l	NT		**22.**	**/J**	NT		**140.**	**/D**	**260.**	**/D**
Sec-Butylbenzene	µg/l	NT		ND(50.)		NT		ND(100.)	/UD	ND(50.)	/UD
Sulfuryl chloride fluoride	µg/l	NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT		**210.**		NT		ND(100.)	/UD	ND(50.)	/UD
Tetrahydrofuran	µg/l	NT		ND(2,000.)		NT		ND(4,000.)	/UD	**700.**	**/JD**

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Toluene	µg/l	NT		**190.**		NT		**320.**	**/D**	**480.**	**/D**
trans 1,2 Dichloroethene	µg/l	NT		**81.**		NT		**260.**	**/D**	**350.**	**/D**
Trichloroethene	µg/l	NT		**150.**		NT		**440.**	**/D**	**340.**	**/D**
Vinyl Chloride	µg/l	NT		**24.**	**/J**	NT		**11,000.**	**/D**	**20,000.**	**/D**
Xylenes	µg/l	NT		**61.**		NT		**340.**	**/D**	**590.**	**/D**
SW8270											
,5-Dimethylbenzoic Acid	µg/l	NT		NT		NT		NT		**78.**	**/NJ**
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		NT		NT	
1,2,3-Trimethylbenzene	µg/l	NT		**12.**	**/N**	NT		NT		**15.**	**/NJ**
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	NT		ND(10.)		NT		ND(10.)	/U	ND(10.)	/U
1-Ethyl-2-methylbenzene	µg/l	NT		NT		NT		NT		NT	
2-(2-Phenoxyethoxy)-Ethanol	µg/l	NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	NT		ND(10.)		NT		ND(10.)	/U	ND(10.)	/U
2,4,5-Trichlorophenol	µg/l	NT		ND(5.0)		NT		ND(5.0)	/U	ND(5.0)	/U
2,4-Dichlorophenol	µg/l	NT		ND(2.0)		NT		**8.0**		**37.**	
2,4-Dimethylphenol	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT		NT	
2,6,10,14-TetramethylPentadeca	µg/l	NT		NT		NT		NT		NT	
2,6,10-Trimethyldodecane	µg/l	NT		NT		NT		NT		NT	
2,6-Dichlorophenol	µg/l	NT		ND(10.)		NT		**7.2**	**/J**	ND(10.)	/U
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT	
2-Chlorophenol	µg/l	NT		ND(2.0)		NT		**5.4**		ND(2.0)	/U
2-Cyclohexen-1-one	µg/l	NT		**21.**	**/N**	NT		NT		NT	
2-Methylcyclohexanone	µg/l	NT		NT		NT		NT		**48.**	**/NJ**
2-Methylnaphthalene	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT	
2-Propanol, 1-(2-methoxy-1-methyl)	µg/l	NT		NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	**9.2**	**/B**
4-Chlorophenol	µg/l	NT		NT		NT		NT		**0.44**	**/NJ**
4-Ethyl-1,2-dimethylbenzene	µg/l	NT		NT		NT		NT		NT	
4-Methylbenzene Methanol	µg/l	NT		NT		NT		NT		NT	
Acenaphthene	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Acetophenone	µg/l	NT		ND(10.)		NT		ND(10.)	/U	**10.**	
Benzoic acid	µg/l	NT		ND(10.)		NT		ND(10.)	/U	**9.7**	**/J**
Benzyl alcohol	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
bis(2-Ethylhexyl) phthalate	µg/l	NT		**1.5**	**/J**	NT		ND(5.0)	/U	**4.8**	**/JB**
Butyl benzyl phthalate	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Dibenzofuran	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Dichloroprop	µg/l	NT		NT		NT		NT		**0.47**	**/NJ**

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dimethyl phthalate	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Di-n-butyl phthalate	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Dodecane	µg/l	NT		NT		NT		NT		NT	
Ethane,1-ethoxy-1-methoxy-	µg/l	NT		NT		NT		NT		NT	
Heptadecane	µg/l	NT		NT		NT		NT		NT	
Isophorone	µg/l	NT		**3.3**		NT		ND(2.0)	/U	ND(2.0)	/U
N-Nitrosomorpholine	µg/l	NT		ND(10.)		NT		ND(10.)	/U	ND(10.)	/U
o-Cresol	µg/l	NT		ND(2.0)		NT		**6.8**		**11.**	
Octadecane	µg/l	NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	NT		ND(10.)		NT		ND(10.)	/U	ND(10.)	/U
Phenanthrene	µg/l	NT		ND(2.0)		NT		ND(2.0)	/U	ND(2.0)	/U
Phenols	µg/l	NT		ND(2.0)		NT		**2.6**		**28.**	**/B**
Tetrachloroethene	µg/l	NT		**68.**	**/N**	NT		NT		NT	
SW8270C-SIM											
1,4-Dichlorobenzene	µg/l	NT		**0.096**	**/J**	NT		NT		NT	
Acenaphthylene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**27.**	**/JD**
Benzo(a)anthracene	µg/l	NT		ND(0.10)		NT		ND(0.012)	U/J	**110.**	**/D**
Benzo(a)pyrene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**34.**	**/JD**
Benzo(b)fluoranthene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**15.**	**/JD**
Benzo(ghi)perylene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**35.**	**/JD**
Benzo(k)fluoranthene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**35.**	**/JD**
bis(2-Chloroethyl) ether	µg/l	NT		ND(0.10)		NT		**0.11**		**1,100.**	**/D**
Chrysene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**71.**	**/JD**
Dibenzo(a,h)anthracene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**15.**	**/JD**
Fluoranthene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**140.**	**/D**
Fluorene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**29.**	**/JD**
Indeno(1,2,3-cd)pyrene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**14.**	**/JD**
Naphthalene	µg/l	NT		**0.44**		NT		**1.0**		**150,000.**	**/D**
N-Nitrosodiethylamine	µg/l	NT		**1.2**		NT		**8.0**		**11,000.**	**/DB**
N-Nitrosodimethylamine	µg/l	NT		NT		NT		**0.066**		**0.56**	
N-Nitrosodinpropylamine	µg/l	NT		ND(0.10)		NT		**0.36**		**120.**	**/DB**
N-Nitrosomethylethylamine	µg/l	NT		ND(0.10)		NT		**0.041**	**/J**	ND(100.)	/UD
n-Nitrosopyrrolidine	µg/l	NT		**0.018**	**/J**	NT		**3.4**		**2,600.**	**/D**
Pyrene	µg/l	NT		ND(0.10)		NT		ND(0.10)	/U	**110.**	**/D**
SW8290											
1,2,3,4,6,7,8-HpCDD	pg/l	ND(0.94)	/U	NT		ND(1.02)	/U	**238.**		ND(2.74)	/U
1,2,3,4,6,7,8-HpCDF	pg/l	ND(0.671)	/U	NT		ND(0.532)	/U	**13.**	**/J**	ND(0.591)	/U
1,2,3,4,7,8,9-HpCDF	pg/l	ND(1.07)	/U	NT		ND(0.587)	/U	ND(1.86)		ND(0.834)	/U
1,2,3,4,7,8-HxCDF	pg/l	ND(1.0)	/U	NT		ND(0.482)	/U	**1.46**	**/J**	ND(0.633)	/U
1,2,3,6,7,8-HxCDD	pg/l	ND(1.2)	/U	NT		ND(1.48)	/U	**19.6**	**/J**	ND(2.33)	/U
1,2,3,6,7,8-HxCDF	pg/l	ND(1.11)	/U	NT		ND(0.447)	/U	ND(0.992)		ND(0.543)	/U

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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Casmalia, California

	Station Number:	**RIPZ-16**		**RIPZ-16**		**RIPZ-16**		**SW-17**		**SW-17**	
	Sample Date:	**05/09/06**		**10/23/06**		**10/23/06**		**11/12/04**		**04/15/05**	
	Sample Depth (feet):										
	Sample Number:	**31913**		**31959**		**31959**		**31466**		**31666**	
	Lab Batch:	**3877**		**0611073**		**4138**		**0412065**		**0503794**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2,3,7,8,9-HxCDD	pg/l	ND(1.2)	/U	NT		ND(0.50)	/U	**8.46**	**/J**	ND(1.84)	/U
1,2,3,7,8,9-HxCDF	pg/l	ND(1.2)	/U	NT		ND(0.50)	/U	ND(1.31)		ND(0.771)	/U
1,2,3,7,8-PeCDF	pg/l	ND(0.902)	/U	NT		ND(0.80)	/U	ND(3.7)		ND(3.13)	/U
2,3,4,6,7,8-HxCDF	pg/l	ND(1.2)	/U	NT		ND(0.505)	/U	ND(1.0)		ND(0.571)	/U
2,3,4,7,8-PeCDF	pg/l	ND(0.904)	/U	NT		ND(0.713)	/U	ND(3.31)		ND(3.36)	/U
2,3,7,8-TCDD	pg/l	ND(0.47)	/U	NT		ND(0.762)	/U	ND(1.74)		ND(2.53)	/U
2,3,7,8-TCDF	pg/l	ND(0.272)	/U	NT		ND(0.332)	/U	ND(1.48)		ND(1.19)	/U
Hepta-CDD (total)	pg/l	NT		NT		NT		**396.**		NT	
Hepta-CDFs (total)	pg/l	NT		NT		NT		**33.7**		NT	
Hexa-CDD (total)	pg/l	NT		NT		NT		**118.**		NT	
Hexa-CDF (total)	pg/l	NT		NT		NT		**13.**	**/J**	NT	
OCDD	pg/l	**3.53**	**/J**	NT		**8.19**	**/J**	**1,960.**		**14.2**	**/J**
OCDF	pg/l	ND(1.38)	/U	NT		ND(2.12)	/U	**33.6**	**/J**	ND(4.63)	/U
PeCDD (total)	pg/l	NT		NT		NT		**35.5**		NT	
PeCDF (total)	pg/l	NT		NT		NT		ND(3.7)		NT	
TCDD (total)	pg/l	NT		NT		NT		**140.**		NT	
TCDF (total)	pg/l	NT		NT		NT		**115.**		NT	
SW9012											
Cyanide (Free)	mg/l	NT		ND(0.02)		NT		**0.095**		**0.15**	
Cyanide Amenable to Chlorination	mg/l	NT		ND(0.02)		NT		NT		**0.15**	

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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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	M	Duplicate precision not met.
Organic	U	Compound was analyzed for but not detected.
MACTEC Validation Assigned Qualifiers		
Inorganic	J	Data are qualified as estimated. It is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.
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*	Analytical results for this compound are qualified as estimated due to miscellaneous lab errors.
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	U	Data are qualified as nondetected, because the analyte was observed in an associated laboratory or field blank.
Organic	J	Data are qualified as estimated. It is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.
Organic	J*	Analytical results for this compound are qualified as estimated due to miscellaneous lab errors.
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-10a. Detected Compounds in the BTA and PSCT Area Wells
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
1,1 Dichloroethane	75-34-3	2.000	ug/l
1,1 Dichloroethene	75-35-4	6.000	ug/l
1,1,1 Trichloroethane	71-55-6	200.000	ug/l
1,1,2 Trichloroethane	79-00-5	0.200	ug/l
1,1,2,2 Tetrachloroethane	79-34-5	0.055	ug/l
1,2 Dibromoethane (EDB)	106-93-4	0.006	ug/l
1,2 Dichloroethane	107-06-2	0.120	ug/l
1,2 Dichloropropane	78-87-5	0.160	ug/l
1,2,3 Trichloropropane	96-18-4	0.006	ug/l
1,2,3,4,6,7,8-HpCDD	35822-46-9	0.45	pg/l
1,2,3,4,6,7,8-HpCDF	67562-39-4	0.45	pg/l
1,2,3,4,7,8,9-HpCDF	55673-89-7	0.45	pg/l
1,2,3,4,7,8-HxCDF	70648-26-9	0.45	pg/l
1,2,3,6,7,8-HxCDD	57653-85-7	0.45	pg/l
1,2,3,6,7,8-HxCDF	57117-44-9	0.45	pg/l
1,2,3,7,8,9-HxCDD	19408-74-3	0.45	pg/l
1,2,3,7,8,9-HxCDF	72918-21-9	0.45	pg/l
1,2,3,7,8-PeCDF	57117-41-6	0.45	pg/l
1,2,4 Trimethylbenzene	95-63-6	12.000	ug/l
1,2,4-Trichlorobenzene	120-82-1	5.000	ug/l
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.002	ug/l
1,3,5 Trimethylbenzene	108-67-8	12.000	ug/l
1,3-Dinitrobenzene	99-65-0	3.600	ug/l
1,4-Dichlorobenzene	106-46-7	0.500	ug/l
2,3,4,6,7,8-HxCDF	60851-34-5	0.45	pg/l
2,3,4,7,8-PeCDF	57117-31-4	0.45	pg/l
2,3,7,8-TCDD	1746-01-6	0.45	pg/l
2,3,7,8-TCDF	51207-31-9	0.45	pg/l
2,4-Dichlorophenol	120-83-2	110.000	ug/l
Acenaphthylene	208-96-8	0.200	ug/l
Acetone	67-64-1	5,500.000	ug/l
Aluminum-T	7429-90-5	1,000.000	ug/l
Arsenic-D	7440-38-2-D	0.007	ug/l
Arsenic-T	7440-38-2	0.007	ug/l
Benzene	71-43-2	0.350	ug/l
Benzo(a)anthracene	56-55-3	0.092	ug/l
Benzo(a)pyrene	50-32-8	0.009	ug/l
Benzo(b)fluoranthene	205-99-2	0.092	ug/l
Benzo(ghi)perylene	191-24-2	0.200	ug/l
Benzo(k)fluoranthene	207-08-9	0.200	ug/l
bis(2-Chloroethyl) ether	111-44-4	0.010	ug/l
bis(2-Ethylhexyl)phthalate	117-81-7	4.000	ug/l
Cadmium-D	7440-43-9-D	5.000	ug/l
Cadmium-T	7440-43-9	5.000	ug/l
Carbon Tetrachloride	56-23-5	0.170	ug/l
Chloroethane	75-00-3	4.600	ug/l
Chloroform	67-66-3	0.170	ug/l

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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Analyte	Cas Number	MCL/PRG	Units
Chromium-D	7440-47-3-D	50.000	ug/l
Chromium-T	7440-47-3	50.000	ug/l
Chrysene	218-01-9	0.200	ug/l
Cis 1,2 Dichloroethene	156-59-2	6.000	ug/l
Dibenzo(a,h)anthracene	53-70-3	0.009	ug/l
Ethyl Benzene	100-41-4	300.000	ug/l
Ethylene glycol	107-21-1	73,000.000	ug/l
Fluoranthene	206-44-0	0.200	ug/l
Fluorene	86-73-7	0.200	ug/l
Freon 11	75-69-4	150.000	ug/l
Freon 113	76-13-1	1,200.000	ug/l
Indeno(1,2,3-cd)pyrene	193-39-5	0.092	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
MCPA	94-74-6	18.000	ug/l
Methanol	67-56-1	18,000.000	ug/l
Methyl Ethyl Ketone	78-93-3	7,000.000	ug/l
Methylene Chloride	75-09-2	4.300	ug/l
Naphthalene	91-20-3	0.093	ug/l
Nickel-D	7440-02-0-D	100.000	ug/l
Nickel-T	7440-02-0	100.000	ug/l
N-Nitrosodiethylamine	55-18-5	0.00045	ug/l
N-Nitrosodimethylamine	62-75-9	0.001	ug/l
N-Nitrosodinbutylamine	924-16-3	0.002	ug/l
N-Nitrosodinpropylamine	621-64-7	0.010	ug/l
N-Nitrosomethylethylamine	10595-95-6	0.003	ug/l
n-Nitrosopyrrolidine	930-55-2	0.032	ug/l
OCDD	3268-87-9	0.45	pg/l
OCDF	39001-02-0	0.45	pg/l
o-Xylene	95-47-6	210.000	ug/l
Pentachlorophenol	87-86-5	0.560	ug/l
Perchlorate	14797-73-0	3.600	ug/l
Pyrene	129-00-0	0.200	ug/l
RDX	121-82-4	0.610	ug/l
Selenium-D	7782-49-2-D	50.000	ug/l
Selenium-T	7782-49-2	50.000	ug/l
Tetrachloroethene	127-18-4	0.100	ug/l
Tetrahydrofuran	109-99-9	1.600	ug/l
Toluene	108-88-3	150.000	ug/l
trans 1,2 Dichloroethene	156-60-5	10.000	ug/l

Table G-10a. Detected Compounds in the BTA and PSCT Area Wells
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Casmalia, California

Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
Trichloroethene	79-01-6	0.028	ug/l
Vanadium-D	7440-62-2-D	36.000	ug/l
Vanadium-T	7440-62-2	36.000	ug/l
Vinyl Chloride	75-01-4	0.020	ug/l
Xylenes	1330-20-7	210.000	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