Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PZ-P18-5		PZ-P18-5		RG-1B		RG-1B		RG-2B		RG-2B		RG-4B	
	Sample Date:	10/19/04		03/22/05		10/20/04		03/23/05		03/24/05		04/14/05		10/15/04	
	Sample Depth (feet):														
	Sample Number:	31358		31501		31384		31504		31516		31664		31345	
	Lab Batch:	0410989		0502907		0411105		0502945		0503005		0503746		0410883	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	7.0		7.27		7.51		7.0		NT		NT		NT	
E160.1															
Total Dissolved Solids (TDS)	mg/l	13,000.		13,000.	/D	6,600.		7,000.	/D	NT		NT		NT	
E200.8															
Antimony-D	µg/l	ND(10.)	/UD	ND(10.)	/UD	0.42	/J	0.84	/J	NT		NT		NT	
Antimony-T	µg/l	ND(10.)	/UD	ND(10.)	/UD	ND(2.0)	/U	ND(2.0)	/U	NT		NT		NT	
Arsenic-D	µg/l	130.	J+/D	92.	/D	51.		33.		NT		NT		NT	
Arsenic-T	µg/l	56.	/D	44.	/D	17.		19.		NT		NT		NT	
Beryllium-D	µg/l	ND(5.0)	/UD	4.7	/JDB	ND(1.0)	UJ/U	0.96	/JB	NT		NT		NT	
Beryllium-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	0.18	J-/J	0.04	/J	NT		NT		NT	
Cadmium-D	µg/l	52.	/D	50.	/D	2.0		2.2		NT		NT		NT	
Cadmium-T	µg/l	44.	/D	52.	/D	5.1		2.6		NT		NT		NT	
Lead-D	µg/l	0.37	/JD	ND(5.0)	/UD	0.11	/J	0.043	/J	NT		NT		NT	
Lead-T	µg/l	0.60	/JD	0.30	/JD	3.8		0.15	/J	NT		NT		NT	
Selenium-D	µg/l	490.	J+/D	400.	/D	180.		130.		NT		NT		NT	
Selenium-T	µg/l	240.	J/D	200.	/D	61.		74.		NT		NT		NT	
Silver-D	µg/l	0.10	/JD	ND(5.0)	/UD	0.035	J-/J	0.59	/J	NT		NT		NT	
Silver-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	42.		1.9		NT		NT		NT	
Thallium-D	µg/l	1.8	/JD	0.66	/JD	0.10	/J	0.11	/J	NT		NT		NT	
Thallium-T	µg/l	1.7	/JD	ND(5.0)	/UD	0.26	/J	ND(1.0)	/U	NT		NT		NT	
Tin-T	µg/l	2.6	/JD	ND(5.0)	/UD	0.73	/J	ND(1.0)	/U	NT		NT		NT	
Zinc-D	µg/l	140.	/D	120.	/D	30.		93.		NT		NT		NT	
Zinc-T	µg/l	25.	/D	33.	/D	26.		7.8		NT		NT		NT	
E300.0															
Bromide	mg/l	80.	/D	98.	/D	30.	/D	29.	/D	NT		NT		NT	
Chloride	mg/l	4,200.	/D	4,600.	/D	1,800.	/D	2,000.	/D	NT		NT		NT	
Fluoride	mg/l	3.1	/D	3.6	/D	ND(0.50)	/UD	ND(0.50)	/UD	NT		NT		NT	
Nitrate (as NO3)	mg/l	ND(8.8)	/UD	ND(8.8)	/UD	ND(4.4)	/UD	9.1	/D	NT		NT		NT	
Nitrate as N	mg/l	ND(2.0)	/UD	ND(2.0)	/UD	ND(1.0)	/UD	2.0	/D	NT		NT		NT	
Sulfate	mg/l	4,000.	/D	4,100.	/D	2,500.	/D	2,100.	/D	NT		NT		NT	
E310.1															
Bicarbonate Alkalinity as CaCO3	mg/l	320.	/D	320.	/D	590.	/D	570.	/D	NT		NT		NT	
E314.0															
Perchlorate	µg/l	78.	/D	ND(4.0)	/U	NT		NT		NT		NT		NT	
E504.1															
1,2 Dibromoethane (EDB)	µg/l	ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	UJ/U	ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	NT		ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	UJ/U	ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)	/U
EPA8081															

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PZ-P18-5		PZ-P18-5		RG-1B		RG-1B		RG-2B		RG-2B		RG-4B	
	Sample Date:	10/19/04		03/22/05		10/20/04		03/23/05		03/24/05		04/14/05		10/15/04	
	Sample Depth (feet):														
	Sample Number:	31358		31501		31384		31504		31516		31664		31345	
	Lab Batch:	0410989		0502907		0411105		0502945		0503005		0503746		0410883	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Beta-BHC	µg/l	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	0.078	/P	NT		NT		NT	
EPA8141															
Phorate	µg/l	ND(0.20)	/U	ND(0.20)	/U	NT		NT		NT		NT		NT	
EPA8151															
2,4,5-TP (Silvex)	µg/l	ND(0.07)	/U	ND(0.07)	/U	ND(0.085)	/UD	ND(0.70)	/UD	NT		NT		NT	
2,4-D	µg/l	ND(0.40)	/U	ND(0.40)	/U	ND(0.49)	/UD	ND(4.0)	/UD	NT		NT		NT	
Dicamba	µg/l	ND(0.08)	/U	ND(0.08)	/U	ND(0.098)	/UD	ND(0.80)	/UD	NT		NT		NT	
Dichloroprop	µg/l	ND(0.50)	/U	6.1		12.	J/DP	30.	/D	NT		NT		NT	
MCPP	µg/l	ND(10.)	/U	ND(10.)	/U	ND(12.)	/UD	ND(100.)	/UD	NT		NT		NT	
Picloram	µg/l	ND(0.05)	/U	ND(0.05)	/U	ND(0.061)	/UD	ND(0.50)	/UD	NT		NT		NT	
EPA8330															
HMX	µg/l	ND(5.8)	/UD	ND(7.9)	/UD	NT		NT		NT		NT		NT	
pCBSA-LC-MS/MS															
p-CBSA	µg/l	610.		NT		NT		NT		NT		NT		NT	
SW6010															
Aluminum-T	µg/l	640.	J/D	240.	/JD	5,700.	J/D	ND(50.)	/U	NT		NT		NT	
Barium-D	µg/l	ND(170.)	U/D	110.	/D	ND(140.)	U/D	190.	/D	NT		NT		NT	
Barium-T	µg/l	26.	/JD	25.	/JD	77.	/D	18.	/JD	NT		NT		NT	
Calcium-D	mg/l	720.	/D	790.	/D	550.	/D	520.	/D	NT		NT		NT	
Calcium-T	mg/l	720.	/D	750.	/DB	540.	/D	500.	/DB	NT		NT		NT	
Chromium-D	µg/l	20.	/JD	29.	/JD	4.2	/JD	12.	/JD	NT		NT		NT	
Chromium-T	µg/l	ND(22.)	U/JD	27.	/JD	180.	/D	21.	/JD	NT		NT		NT	
Cobalt-D	µg/l	36.	/JD	35.	/JD	ND(250.)	/UD	ND(250.)	/UD	NT		NT		NT	
Cobalt-T	µg/l	35.	/JD	33.	/JD	ND(250.)	/UD	ND(250.)	/UD	NT		NT		NT	
Copper-D	µg/l	7.6	/JD	5.2	/JD	ND(50.)	/UD	ND(50.)	/UD	NT		NT		NT	
Copper-T	µg/l	13.	/JD	ND(50.)	/UD	44.	/JD	ND(50.)	/UD	NT		NT		NT	
Iron-D	µg/l	160.	/JD	69.	/JD	390.	/D	ND(250.)	/UD	NT		NT		NT	
Iron-T	µg/l	730.	J/D	270.	/D	10,000.	/D	61.		NT		NT		NT	
Magnesium-D	mg/l	840.	/D	910.	/D	370.	/D	390.	/D	NT		NT		NT	
Magnesium-T	mg/l	840.	/D	890.	/D	380.	/D	370.	/D	NT		NT		NT	
Manganese-D	µg/l	8,400.	/D	9,200.	/D	1,900.	/D	1,300.	/D	NT		NT		NT	
Manganese-T	µg/l	8,000.	/D	9,000.	/D	1,900.	/D	1,200.	/D	NT		NT		NT	
Molybdenum-D	µg/l	59.	/JD	43.	/JD	39.	/JD	33.	/JD	NT		NT		NT	
Molybdenum-T	µg/l	56.	/JD	40.	/JD	37.	/JD	ND(250.)	/UD	NT		NT		NT	
Nickel-D	µg/l	470.	/D	520.	/D	64.	/D	76.	/D	NT		NT		NT	
Nickel-T	µg/l	460.	/D	500.	/D	72.	/D	74.	/D	NT		NT		NT	
Potassium-D	mg/l	56.	/D	57.	/D	26.	/D	23.	/D	NT		NT		NT	
Potassium-T	mg/l	54.	J/D	53.	/D	27.	/D	22.	/D	NT		NT		NT	
Sodium-D	mg/l	2,200.	/D	2,300.	/D	1,300.	/D	1,200.	/D	NT		NT		NT	
Sodium-T	mg/l	2,200.	/D	2,200.	/D	1,200.	/D	1,100.	/D	NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PZ-P18-5		PZ-P18-5		RG-1B		RG-1B		RG-2B		RG-2B		RG-4B	
	Sample Date:	10/19/04		03/22/05		10/20/04		03/23/05		03/24/05		04/14/05		10/15/04	
	Sample Depth (feet):														
	Sample Number:	31358		31501		31384		31504		31516		31664		31345	
	Lab Batch:	0410989		0502907		0411105		0502945		0503005		0503746		0410883	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vanadium-D	µg/l	47.	/JD	89.	/D	72.	/D	76.	/D	NT		NT		NT	
Vanadium-T	µg/l	44.	/JD	110.	/D	83.	/D	95.	/D	NT		NT		NT	
SW7470															
Mercury-D	µg/l	0.062	/J	ND(0.20)	/U	ND(0.20)	/U	0.052	/J	NT		NT		NT	
Mercury-T	µg/l	ND(0.20)	/U	0.06	/J	0.048	/J	0.055	/J	NT		NT		NT	
SW8015B-DI															
1-Propanol	µg/l	ND(500.)	/U	ND(500.)	/U	NT		NT		NT		NT		NT	
1,4-Dioxane	µg/l	ND(500.)	/U	ND(500.)	/U	NT		NT		NT		NT		NT	
Acetone	µg/l	ND(500.)	/U	ND(500.)	/U	NT		NT		NT		NT		NT	
Crotonaldehyde	µg/l	760.		ND(500.)	/U	NT		NT		NT		NT		NT	
Ethylene glycol	µg/l	ND(5,000.)	/U	47,000.	/B	NT		NT		NT		NT		NT	
Methanol	µg/l	ND(500.)	/U	ND(500.)	/U	NT		NT		NT		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		240.		280.		330.		NT		NT		NT	
TPH-Motor Oil	µg/l	NT		940.		1,800.		130.	/J	NT		NT		NT	
SW8260															
1,1 Dichloroethane	µg/l	2.1		2.0		84.		51.		660.	/D	NT		1,300.	/D
1,1 Dichloroethene	µg/l	2.2		2.3		12.		3.6		280.	/D	NT		850.	/D
1,1,1 Trichloroethane	µg/l	0.17	/J	0.20	/J	ND(0.50)	/U	ND(0.50)	/U	27.	/D	NT		150.	/D
1,1,2 Trichloroethane	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	25.	/D	NT		31.	/D
1,2 Dichloroethane	µg/l	ND(0.50)	/U	ND(0.50)	/U	3.4		3.4		ND(10.)	/UD	NT		7.2	/D
1,2 Dichloroethene	µg/l	0.99	/J	0.96	/J	14.		15.		1,200.	/D	NT		2,300.	/D
1,2 Dichloropropane	µg/l	ND(0.50)	/U	0.18	/J	0.27	/J	0.20	/J	61.	/D	NT		62.	/D
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	8.0	/N	6.9	/NJ	27.	/N	5.6	/NJ	240.	/NJD	NT		590.	/DN
1,2-Dichlorobenzene	µg/l	0.98		1.4		0.48	/J	0.73		ND(10.)	/UD	NT		ND(5.0)	/UD
1,3 Dichlorobenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
1,4 Dichlorobenzene	µg/l	0.21	/J	0.29	/J	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
2-(Ethylthio)propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Benzene	µg/l	0.17	/J	0.23	/J	0.60		1.6		ND(10.)	/UD	NT		19.	/D
Carbon Disulfide	µg/l	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(20.)	/UD	NT		ND(10.)	/UD
Carbon Tetrachloride	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
Chlorobenzene	µg/l	0.38	/J	0.48	/J	0.27	/J	0.75		ND(10.)	/UD	NT		ND(5.0)	/UD
Chloroethane	µg/l	ND(0.50)	/U	ND(0.50)	/U	6.8		4.0		ND(10.)	/UD	NT		ND(5.0)	/UD
Chlorofluoromethane	µg/l	NT		NT		4.9	/N	2.0	/NJ	NT		NT		NT	
Chloroform	µg/l	ND(0.50)	/U	ND(0.50)	/U	0.55		0.74		2.4	/JD	NT		3.2	/JD
Chlorotrifluoroethene	µg/l	ND(0.50)	/U	ND(0.50)	/U	110.	/D	12.		8.0	/JD	NT		31.	/D
Cis 1,2 Dichloroethene	µg/l	0.99		0.96		12.		14.		1,200.	/D	NT		2,300.	/D
Dichlorofluoromethane	µg/l	NT		NT		24.	/N	9.5	/NJ	NT		NT		NT	
Diisopropyl ether	µg/l	ND(0.50)	/U	ND(0.50)	/U	0.91		3.7		ND(10.)	/UD	NT		ND(5.0)	/UD

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	PZ-P18-5		PZ-P18-5		RG-1B		RG-1B		RG-2B		RG-2B		RG-4B	
	Sample Date:	10/19/04		03/22/05		10/20/04		03/23/05		03/24/05		04/14/05		10/15/04	
	Sample Depth (feet):														
	Sample Number:	31358		31501		31384		31504		31516		31664		31345	
	Lab Batch:	0410989		0502907		0411105		0502945		0503005		0503746		0410883	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethylbenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
Ethyl ether	µg/l	NT		NT		12.	/N	70.	/NJ	NT		NT		NT	
Freon 11	µg/l	ND(0.50)	/U	ND(0.50)	/U	3.8		0.32	/J	ND(10.)	/UD	NT		7.4	/D
Freon 112	µg/l	ND(0.50)	/U	ND(0.50)	/U	0.22	/J	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
Freon 113	µg/l	1.1		2.0		42.		5.0		480.	/D	NT		1,300.	/D
Freon 12	µg/l	ND(0.50)	/U	ND(0.50)	/U	5.0		0.77		ND(10.)	/UD	NT		ND(5.0)	/UD
Isopropylbenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
Methylcyclopentane	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		1.7	/JD
Methylene Chloride	µg/l	ND(1.0)	/U	ND(1.0)	/UB	6.8		5.9	/B	ND(20.)	/UD	NT		ND(10.)	/UD
Methyl-tert-butyl ether	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
o-Xylene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
Propane, 2-(ethylthio)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	0.31	/J	0.38	/J	0.41	/J	0.64		55.	/D	NT		310.	/D
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrahydrofuran	µg/l	ND(20.)	/U	ND(20.)	/U	27.		48.		ND(400.)	/UD	NT		ND(200.)	/UD
Toluene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(10.)	/UD	NT		ND(5.0)	/UD
trans 1,2 Dichloroethene	µg/l	ND(0.50)	/U	ND(0.50)	/U	1.3		1.3		36.	/D	NT		28.	/D
Trichloroethene	µg/l	3.9		4.8		3.6		4.3		2,300.	/D	NT		3,700.	/D
Trifluoromethylbenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	0.52		0.24	/J	ND(10.)	/UD	NT		ND(5.0)	/UD
Unknown compound @ 15_18 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown compound @ 16_99 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT		NT		3.5	/N	1.8	/NJ	NT		NT		NT	
Unknown Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	0.20	/J	0.22	/J	5.8		7.2		ND(10.)	/UD	NT		3.6	/JD
SW8270															
(E)-9-Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-dioxide-tetrahydro-Thiophe	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	µg/l	NT		NT		NT		6.8	/NJ	NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		8.8	/NJ	NT		7.5	/NJ	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	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	NT		ND(3.8)	/UD	NT	
17-Pentatriacontene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Docosene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Dotriacontanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Octadecene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PZ-P18-5**		**PZ-P18-5**		**RG-1B**		**RG-1B**		**RG-2B**		**RG-2B**		**RG-4B**	
	Sample Date:	**10/19/04**		**03/22/05**		**10/20/04**		**03/23/05**		**03/24/05**		**04/14/05**		**10/15/04**	
	Sample Depth (feet):														
	Sample Number:	**31358**		**31501**		**31384**		**31504**		**31516**		**31664**		**31345**	
	Lab Batch:	**0410989**		**0502907**		**0411105**		**0502945**		**0503005**		**0503746**		**0410883**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
2,4-Dichlorophenol	µg/l	ND(2.0)	R/U	ND(2.0)	/U	**0.58**	**/J**	ND(2.0)	/U	NT		ND(3.8)	/UD	NT	
2,5,8,11,14-Pentaoxapentadecane	µg/l	**6.6**	**/N**	**6.5**	**/NJ**	NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		NT		**38.**	**/NJ**	NT		NT		NT	
2,6-Dichloropyridine	µg/l	NT		NT		NT		**48.**	**/NJ**	NT		NT		NT	
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Fluoro-6-nitrophenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methyl-Thiazole	µg/l	NT		NT		NT		NT		NT		NT		NT	
4,4'-Butylidenebis Phenol Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
4,6-Dehydroadamantanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
5-Octadecene, (E)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		**53.**	**/NJ**	NT		NT		NT	
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT		NT		NT		NT		NT		NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	**1.4**	**/J**	**2.2**	**/J**	ND(5.0)	/U	**6.2**	**/B**	NT		**4.7**	**/JD**	NT	
cis-2-Bromocyclohexanol	µg/l	**13.**	**/N**	NT		NT		NT		NT		NT		NT	
Cyclohexane, 1,1-dichloro-	µg/l	**29.**	**/N**	NT		NT		NT		NT		NT		NT	
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT		**13.**	**/NJ**	NT		NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		**5.4**	**/NJ**	NT		NT		NT		NT		NT	
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT		**43.**	**/NJ**	NT		NT		NT		NT		NT	
Cyclotetracosane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Dichloroprop	µg/l	NT		NT		NT		**25.**	**/NJ**	NT		NT		NT	
Diethyl phthalate	µg/l	**3.4**		ND(2.0)	/U	**0.61**	**/J**	ND(2.0)	/U	NT		ND(3.8)	/UD	NT	
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Di-n-butyl phthalate	µg/l	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	NT		**590.**	**/D**	NT	
Glycocyanidine	µg/l	NT		NT		NT		NT		NT		NT		NT	
n-Hexadecanoic acid	µg/l	**18.**	**/N**	**10.**	**/NJ**	NT		NT		NT		NT		NT	
n-Octadecyl ester Triflouroace	µg/l	NT		**16.**	**/NJ**	NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		**50.**	**/NJ**	NT		NT		NT		NT		NT	
Octadecanoic acid	µg/l	**22.**	**/N**	**8.4**	**/NJ**	NT		NT		NT		NT		NT	
Octanoic acid	µg/l	NT		**6.9**	**/NJ**	NT		NT		NT		NT		NT	
Oleic acid	µg/l	NT		NT		NT		NT		NT		**13.**	**/NJD**	NT	
Tetrachloroethene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetradecanoic acid	µg/l	NT		NT		NT		NT		NT		**16.**	**/NJD**	NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		NT		NT		**14.**	**/NJ**	NT		NT		NT	
SW8270C-SIM															
1,4-Dichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Acenaphthylene	µg/l	**0.012**	**/J**	**0.0083**	**/J**	**0.013**	**/JD**	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Benzo(a)anthracene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.011)	U/JD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Benzo(a)pyrene	µg/l	ND(0.016)	U/J	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Benzo(ghi)perylene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.015)	U/JD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Benzo(k)fluoranthene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**PZ-P18-5**		**PZ-P18-5**		**RG-1B**		**RG-1B**		**RG-2B**		**RG-2B**		**RG-4B**	
	Sample Date:	**10/19/04**		**03/22/05**		**10/20/04**		**03/23/05**		**03/24/05**		**04/14/05**		**10/15/04**	
	Sample Depth (feet):														
	Sample Number:	**31358**		**31501**		**31384**		**31504**		**31516**		**31664**		**31345**	
	Lab Batch:	**0410989**		**0502907**		**0411105**		**0502945**		**0503005**		**0503746**		**0410883**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	µg/l	**0.02**	**/J**	ND(0.10)	/U	ND(0.11)	/UD	**0.038**	**/J**	NT		ND(0.089)	/UD	NT	
Chrysene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		**0.0094**	**/JD**	NT	
Dibenzo(a,h)anthracene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Fluoranthene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		**0.0077**	**/JD**	NT	
Fluorene	µg/l	**0.023**	**/J**	**0.022**	**/J**	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Indeno(1,2,3-cd)pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
Naphthalene	µg/l	ND(0.015)	U/J	ND(0.10)	/U	ND(0.11)	/UD	**0.014**	**/J**	NT		**0.026**	**/JD**	NT	
N-Nitrosodiethylamine	µg/l	**0.32**		**0.39**		**4.5**	**/D**	ND(0.10)	/U	NT		**1.8**	**/DB**	NT	
N-Nitrosodimethylamine	µg/l	**0.049**		**0.067**		ND(0.02)	/U	**0.022**		NT		NT		NT	
N-Nitrosodinpropylamine	µg/l	ND(0.10)	/UB	**0.10**		ND(0.11)	/UD	**0.14**		NT		**0.10**	**/D**	NT	
n-Nitrosopyrrolidine	µg/l	**0.50**		**0.30**		ND(0.11)	/UD	ND(0.10)	/U	NT		**0.27**	**/D**	NT	
Pentachloronitrobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.11)	/UD	ND(0.10)	/U	NT		ND(0.089)	/UD	NT	
SW8290															
1,2,3,4,6,7,8-HpCDF	pg/l	ND(2.52)		ND(0.792)	/U	NT		NT		NT		NT		NT	
Hepta-CDFs (total)	pg/l	ND(3.68)		NT		NT		NT		NT		NT		NT	
OCDD	pg/l	ND(9.9)		ND(6.62)	/U	NT		NT		NT		NT		NT	
OCDF	pg/l	ND(8.62)		ND(1.23)	/U	NT		NT		NT		NT		NT	
SW9012															
Cyanide (Free)	mg/l	ND(0.012)	/U	ND(0.02)	/U	ND(0.012)	/U	ND(0.02)	/U	NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-4B		RG-4B		RG-5B		RG-5B		RG-6B		RG-6B		RG-6B	
	Sample Date:	11/09/04		03/21/05		10/15/04		03/30/05		10/29/04		11/10/04		03/29/05	
	Sample Depth (feet):														
	Sample Number:	31454		31499		31352		31559		31414		31458		31541	
	Lab Batch:	0411922		0502907		0410883		0503174		0411478		0412035		0503117	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1															
pH	ph	NT		7.25		7.4		7.21		NT		NT		6.82	
E160.1															
Total Dissolved Solids (TDS)	mg/l	NT		10,000.	/D	10,000.	/D	9,700.	/D	NT		NT		12,000.	/D
E200.8															
Antimony-D	µg/l	NT		ND(10.)	/UD	1.0	/J	ND(2.0)	/U	ND(1.2)	U/J	NT		ND(10.)	/UD
Antimony-T	µg/l	NT		ND(10.)	/UD	ND(10.)	/UD	0.45	/J	ND(2.0)	/U	NT		ND(10.)	/UD
Arsenic-D	µg/l	NT		16.	/D	5.6		4.9		160.	J+	NT		110.	/D
Arsenic-T	µg/l	NT		9.7	/JD	ND(10.)	/UD	3.4		81.		NT		74.	/D
Beryllium-D	µg/l	NT		4.6	/JDB	0.033	J-/J	0.057	/J	ND(0.12)	UJ/J	NT		ND(5.0)	/UD
Beryllium-T	µg/l	NT		ND(5.0)	/UD	ND(5.0)	/UD	0.05	/J	0.52	/J	NT		ND(5.0)	/UD
Cadmium-D	µg/l	NT		12.	/D	1.0	/B	ND(1.0)	/UB	3.7	/B	NT		5.4	/D
Cadmium-T	µg/l	NT		13.	/D	0.46	/JD	1.4		4.0	/B	NT		4.0	/JD
Lead-D	µg/l	NT		ND(5.0)	/UD	2.1		0.20	/J	ND(0.073)	U/J	NT		0.21	/JD
Lead-T	µg/l	NT		0.36	/JD	6.4	/D	0.94	/J	0.54	/J	NT		0.16	/JD
Selenium-D	µg/l	NT		120.	/D	22.	J+	14.		640.	J+	NT		440.	/D
Selenium-T	µg/l	NT		75.	/D	1.8	/JD	44.		190.	J	NT		330.	/D
Silver-D	µg/l	NT		ND(5.0)	/UD	ND(1.0)	/U	ND(1.0)	/U	0.07	J-/J	NT		0.70	/JD
Silver-T	µg/l	NT		ND(5.0)	/UD	ND(5.0)	/UD	0.049	/J	0.21	/J	NT		0.59	/JD
Thallium-D	µg/l	NT		0.47	/JD	ND(1.0)	/U	0.15	/J	0.17	/J	NT		1.4	/JD
Thallium-T	µg/l	NT		ND(5.0)	/UD	ND(5.0)	/UD	0.14	/J	0.18	/J	NT		0.92	/JD
Tin-T	µg/l	NT		ND(5.0)	/UD	ND(5.0)	/UD	ND(1.0)	/U	0.41	/J	NT		ND(5.0)	/UD
Zinc-D	µg/l	NT		140.	/D	150.		120.		170.		NT		140.	/D
Zinc-T	µg/l	NT		23.	/JD	22.	/JD	26.		38.		NT		18.	/JD
E300.0															
Bromide	mg/l	NT		19.	/D	8.8	/D	6.2	/D	NT		NT		110.	/D
Chloride	mg/l	NT		2,400.	/D	1,200.	/D	1,200.	/D	NT		NT		3,900.	/D
Fluoride	mg/l	NT		ND(1.0)	/UD	ND(1.0)	/UD	1.8	/D	NT		NT		ND(1.0)	/UD
Nitrate (as NO3)	mg/l	NT		1,800.	/D	29.	/D	27.	/D	NT		NT		84.	/D
Nitrate as N	mg/l	NT		420.	/D	6.4	/D	6.0	/D	NT		NT		19.	/D
Sulfate	mg/l	NT		3,200.	/D	5,400.	/D	5,300.	/D	NT		NT		4,000.	/D
E310.1															
Bicarbonate Alkalinity as CaCO3	mg/l	NT		520.	/D	700.	/D	250.	/D	NT		NT		790.	/D
E314.0															
Perchlorate	µg/l	NT		NT		NT		NT		ND(20.)	/UD	NT		31.	/D
E504.1															
1,2 Dibromoethane (EDB)	µg/l	NT		ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	/U	0.091		NT		ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	NT		ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	NT		ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	NT		ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	/U	NT		ND(0.01)	/U
EPA8081															

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-4B		RG-4B		RG-5B		RG-5B		RG-6B		RG-6B		RG-6B	
	Sample Date:	11/09/04		03/21/05		10/15/04		03/30/05		10/29/04		11/10/04		03/29/05	
	Sample Depth (feet):														
	Sample Number:	31454		31499		31352		31559		31414		31458		31541	
	Lab Batch:	0411922		0502907		0410883		0503174		0411478		0412035		0503117	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Beta-BHC	µg/l	NT		ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	NT		ND(0.005)	/U
EPA8141															
Phorate	µg/l	NT		NT		NT		NT		ND(0.23)	UJ/UD	NT		ND(0.20)	/U
EPA8151															
2,4,5-TP (Silvex)	µg/l	NT		ND(0.07)	/U	ND(0.07)	/U	ND(0.07)	/U	ND(0.07)	/U	NT		ND(0.07)	/U
2,4-D	µg/l	NT		ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	NT		ND(0.40)	/U
Dicamba	µg/l	NT		0.23	/P	ND(0.08)	/U	ND(0.08)	/U	ND(0.08)	/U	NT		ND(0.08)	/U
Dichloroprop	µg/l	NT		1.8		ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
MCPP	µg/l	NT		220.		ND(10.)	/U	ND(10.)	/U	ND(10.)	/U	NT		ND(10.)	/U
Picloram	µg/l	NT		ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	NT		ND(0.05)	/U
EPA8330															
HMX	µg/l	NT		NT		NT		NT		ND(5.0)	UJ/U	NT		3.7	/JD
pCBSA-LC-MS/MS															
p-CBSA	µg/l	NT		NT		NT		NT		31.		ND(20.)		NT	
SW6010															
Aluminum-T	µg/l	NT		ND(250.)	/UD	ND(250.)	/UD	880.	/D	ND(50.)	/U	NT		ND(250.)	/UD
Barium-D	µg/l	NT		87.	/D	120.	/D	85.	/D	120.	/D	NT		190.	/D
Barium-T	µg/l	NT		29.	/JD	17.	/JD	24.	/JD	ND(10.)	/U	NT		22.	/JD
Calcium-D	mg/l	NT		850.	/D	440.	/D	520.	/DB	650.	/DB	NT		750.	/DB
Calcium-T	mg/l	NT		940.	/DB	390.	/D	520.	/DB	2.2	/B	NT		760.	/D
Chromium-D	µg/l	NT		23.	/JD	15.	/JDB	ND(50.)	/UD	47.	/JD	NT		ND(50.)	/UD
Chromium-T	µg/l	NT		33.	/JD	18.	/JD	ND(50.)	/UD	ND(10.)	/U	NT		ND(50.)	/UD
Cobalt-D	µg/l	NT		ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	NT		ND(250.)	/UD
Cobalt-T	µg/l	NT		ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(50.)	/U	NT		ND(250.)	/UD
Copper-D	µg/l	NT		4.5	/JD	ND(50.)	/UD	15.	/JD	ND(50.)	/UD	NT		9.8	/JD
Copper-T	µg/l	NT		9.4	/JD	10.	/JD	12.	/JD	ND(10.)	/U	NT		ND(50.)	/UD
Iron-D	µg/l	NT		ND(250.)	/UD	100.	/JDB	ND(250.)	/UD	190.	/JD	NT		ND(250.)	/UD
Iron-T	µg/l	NT		180.	/JD	430.	/D	1,300.	/D	ND(50.)	/U	NT		ND(250.)	/UD
Magnesium-D	mg/l	NT		710.	/D	530.	/D	870.	/D	1,100.	/D	NT		1,000.	/DB
Magnesium-T	mg/l	NT		790.	/D	490.	/D	860.	/D	3.7		NT		1,000.	/D
Manganese-D	µg/l	NT		850.	/D	300.	/D	680.	/D	1,300.	/D	NT		49.	/JD
Manganese-T	µg/l	NT		1,000.	/D	280.	/D	710.	/D	ND(5.2)	U/J	NT		59.	/D
Molybdenum-D	µg/l	NT		43.	/JD	45.	/JD	41.	/JD	84.	/JD	NT		41.	/JD
Molybdenum-T	µg/l	NT		40.	/JD	45.	/JD	41.	/JD	ND(50.)	/U	NT		47.	/JD
Nickel-D	µg/l	NT		310.	/D	39.	/JD	150.	/D	210.	/D	NT		130.	/D
Nickel-T	µg/l	NT		340.	/D	41.	/JD	140.	/D	ND(10.)	/U	NT		130.	/D
Potassium-D	mg/l	NT		60.	/D	50.	/D	44.	/D	50.	/D	NT		50.	/D
Potassium-T	mg/l	NT		64.	/D	46.	/D	40.	/D	ND(0.23)	U/J	NT		49.	/D
Sodium-D	mg/l	NT		1,500.	/D	2,000.	/D	1,300.	/DB	2,000.	/D	NT		1,800.	/DB
Sodium-T	mg/l	NT		1,600.	/D	1,800.	/D	1,200.	/D	6.6		NT		1,800.	/DB

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-4B		RG-4B		RG-5B		RG-5B		RG-6B		RG-6B		RG-6B	
	Sample Date:	11/09/04		03/21/05		10/15/04		03/30/05		10/29/04		11/10/04		03/29/05	
	Sample Depth (feet):														
	Sample Number:	31454		31499		31352		31559		31414		31458		31541	
	Lab Batch:	0411922		0502907		0410883		0503174		0411478		0412035		0503117	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vanadium-D	µg/l	NT		**84.**	**/D**	**63.**	**/D**	**17.**	**/JD**	**57.**	**/D**	NT		ND(50.)	/UD
Vanadium-T	µg/l	NT		**99.**	**/D**	**63.**	**/D**	**28.**	**/JD**	**56.**	**/D**	NT		**32.**	**/JD**
SW7470															
Mercury-D	µg/l	NT		**0.085**	**/J**	ND(0.20)	/U	**0.052**	**/J**	ND(0.20)	/U	NT		ND(0.40)	/UD
Mercury-T	µg/l	NT		**0.082**	**/J**	ND(0.20)	/U	**0.12**	**/J**	ND(0.20)	/UB	NT		**0.22**	**/JDB**
SW8015B-DI															
1-Propanol	µg/l	NT		NT		NT		NT		**280.**	**/J**	NT		ND(500.)	/U
1,4-Dioxane	µg/l	NT		NT		NT		NT		ND(500.)	/U	NT		ND(500.)	/U
Acetone	µg/l	NT		NT		NT		NT		ND(500.)	/U	NT		ND(500.)	/U
Crotonaldehyde	µg/l	NT		NT		NT		NT		ND(500.)	/U	NT		ND(500.)	/U
Ethylene glycol	µg/l	NT		NT		NT		NT		ND(10,000.)	U/B	NT		ND(5,000.)	/U
Methanol	µg/l	NT		NT		NT		NT		ND(500.)	/U	NT		ND(500.)	/U
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		**210.**		**110.**	**/J**	ND(200.)	/U	ND(240.)	U/D	NT		**120.**	**/J**
TPH-Motor Oil	µg/l	NT		**810.**		ND(500.)	/U	ND(500.)	/U	**240.**	**/JD**	NT		ND(500.)	/U
SW8260															
1,1 Dichloroethane	µg/l	NT		**800.**	**/D**	ND(0.50)	/U	**0.42**	**/J**	**31.**		NT		**12.**	
1,1 Dichloroethene	µg/l	NT		**800.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**17.**		NT		**6.7**	
1,1,1 Trichloroethane	µg/l	NT		**110.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**5.3**		NT		**5.4**	
1,1,2 Trichloroethane	µg/l	NT		**21.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
1,2 Dichloroethane	µg/l	NT		**8.4**	**/JD**	ND(0.50)	/U	ND(0.50)	/U	**0.52**		NT		ND(0.50)	/U
1,2 Dichloroethene	µg/l	NT		**1,800.**	**/D**	ND(1.0)	/U	ND(1.0)	/U	**270.**	**/D**	NT		**150.**	**/D**
1,2 Dichloropropane	µg/l	NT		**47.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**0.23**	**/J**	NT		ND(0.50)	/U
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		**440.**	**/NJD**	**1.7**	**/N**	**4.2**	**/NJ**	**16.**	**/N**	NT		**11.**	**/NJ**
1,2-Dichlorobenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	**0.34**	**/J**	NT		ND(0.50)	/U
1,3 Dichlorobenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
1,4 Dichlorobenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
2-(Ethylthio)propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Benzene	µg/l	NT		**20.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**0.51**		NT		ND(0.50)	/U
Carbon Disulfide	µg/l	NT		ND(20.)	/UD	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U			ND(1.0)	/U
Carbon Tetrachloride	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		**0.20**	**/J**
Chlorobenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Chloroethane	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Chlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Chloroform	µg/l	NT		**20.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**1.6**		NT		**1.6**	
Chlorotrifluoroethene	µg/l	NT		**20.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**1.9**		NT		**0.20**	**/J**
Cis 1,2 Dichloroethene	µg/l	NT		**1,700.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**260.**	**/D**	NT		**140.**	**/D**
Dichlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-4B**		**RG-4B**		**RG-5B**		**RG-5B**		**RG-6B**		**RG-6B**		**RG-6B**	
	Sample Date:	**11/09/04**		**03/21/05**		**10/15/04**		**03/30/05**		**10/29/04**		**11/10/04**		**03/29/05**	
	Sample Depth (feet):														
	Sample Number:	**31454**		**31499**		**31352**		**31559**		**31414**		**31458**		**31541**	
	Lab Batch:	**0411922**		**0502907**		**0410883**		**0503174**		**0411478**		**0412035**		**0503117**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethylbenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U			ND(0.50)	/U
Ethyl ether	µg/l	NT		NT		NT		NT		NT		NT		NT	
Freon 11	µg/l	NT		**11.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**0.67**		NT		**1.9**	
Freon 112	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	**6.3**		NT		**8.6**	
Freon 113	µg/l	NT		**1,500.**	**/D**	**0.90**		**1.2**		**25.**	**B**	NT		**40.**	
Freon 12	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Isopropylbenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Methylcyclopentane	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
Methylene Chloride	µg/l	NT		ND(20.)	/UDB	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	NT		ND(1.0)	/U
Methyl-tert-butyl ether	µg/l	NT		**5.2**	**/JD**	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	NT		ND(0.50)	/U
o-Xylene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U			ND(0.50)	/U
Propane, 2-(ethylthio)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT		**340.**	**/D**	ND(0.50)	/U	**0.51**		**27.**		NT		**17.**	
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrahydrofuran	µg/l	NT		ND(400.)	/UD	ND(20.)	/U	ND(20.)	/U	ND(20.)	/U	NT		ND(20.)	/U
Toluene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U			ND(0.50)	/U
trans 1,2 Dichloroethene	µg/l	NT		**23.**	**/D**	ND(0.50)	/U	ND(0.50)	/U	**13.**		NT		**7.2**	**/D**
Trichloroethene	µg/l	NT		**3,100.**	**/D**	ND(0.50)	/U	**3.2**		**24.**		NT		**28.**	
Trifluoromethylbenzene	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	**0.98**		NT		**0.52**	
Unknown compound @ 15_18 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown compound @ 16_99 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	NT		ND(10.)	/UD	ND(0.50)	/U	ND(0.50)	/U	**41.**		NT		**2.6**	
SW8270															
(E)-9-Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-dioxide-tetrahydro-Thiophe	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	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		**7.7**	**/N**	NT		NT	
1,2,4 Trimethylbenzene	µg/l	**12.**	**/DN**	NT		NT		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	ND(2.5)	/UD	**0.42**	**/J**	NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U
17-Pentatriacontene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Docosene	µg/l	**70.**	**/DN**	NT		NT		NT		**49.**	**/N**	NT		NT	
1-Dotriacontanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Octadecene	µg/l	**57.**	**/DN**	NT		NT		NT		**14.**	**/N**	NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-4B**		**RG-4B**		**RG-5B**		**RG-5B**		**RG-6B**		**RG-6B**		**RG-6B**	
	Sample Date:	**11/09/04**		**03/21/05**		**10/15/04**		**03/30/05**		**10/29/04**		**11/10/04**		**03/29/05**	
	Sample Depth (feet):														
	Sample Number:	**31454**		**31499**		**31352**		**31559**		**31414**		**31458**		**31541**	
	Lab Batch:	**0411922**		**0502907**		**0410883**		**0503174**		**0411478**		**0412035**		**0503117**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
2,4-Dichlorophenol	µg/l	ND(2.5)	/UD	ND(2.0)	/U	NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Fluoro-6-nitrophenol	µg/l	NT		NT		NT		**0.0046**	**/NJ**	NT		NT		NT	
2-Methyl-Thiazole	µg/l	NT		NT		NT		NT		NT		NT		NT	
4,4'-Butylidenebis Phenol Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
4,6-Dehydroadamantanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
5-Octadecene, (E)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT		NT		NT		NT		NT		NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	**2.2**	**/JD**	ND(5.0)	/U	NT		**4.2**	**/JB**	**1.8**	**/J**	NT		**5.4**	**/B**
cis-2-Bromocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexane, 1,1-dichloro-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclotetracosane	µg/l	NT		NT		NT		NT		**48.**	**/N**	NT		NT	
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	**5.5**	**/D**	ND(2.0)	/U	NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Di-n-butyl phthalate	µg/l	ND(2.5)	/UD	ND(2.0)	/U	NT		ND(2.0)	/U	ND(2.0)	/U	NT		ND(2.0)	/U
Glycocyanidine	µg/l	NT		NT		NT		NT		NT		NT		NT	
n-Hexadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
n-Octadecyl ester Triflouroace	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Octanoic acid	µg/l	NT		**5.6**	**/NJ**	NT		NT		NT		NT		NT	
Oleic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT		**120.**	**/NJ**	NT		NT		NT		NT		NT	
Tetradecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	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	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Benzo(a)anthracene	µg/l	NT		**0.0097**	**/J**	NT		**0.01**	**/J**	ND(0.011)	U/J	NT		**0.01**	**/J**
Benzo(a)pyrene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Benzo(ghi)perylene	µg/l	NT		**0.015**	**/J**	NT		ND(0.10)	/U	ND(0.014)	U/J	NT		ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-4B**		**RG-4B**		**RG-5B**		**RG-5B**		**RG-6B**		**RG-6B**		**RG-6B**	
	Sample Date:	**11/09/04**		**03/21/05**		**10/15/04**		**03/30/05**		**10/29/04**		**11/10/04**		**03/29/05**	
	Sample Depth (feet):														
	Sample Number:	**31454**		**31499**		**31352**		**31559**		**31414**		**31458**		**31541**	
	Lab Batch:	**0411922**		**0502907**		**0410883**		**0503174**		**0411478**		**0412035**		**0503117**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	**0.018**	**/J**	NT		ND(0.10)	/U
Chrysene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	NT		**0.018**	**/J**	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Fluoranthene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Fluorene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
Indeno(1,2,3-cd)pyrene	µg/l	NT		**0.015**	**/J**	NT		ND(0.10)	/U	ND(0.10)	/U	NT		**0.011**	**/J**
Naphthalene	µg/l	NT		**0.045**	**/J**	NT		ND(0.10)	/U	ND(0.024)	U/J	NT		ND(0.10)	/U
N-Nitrosodiethylamine	µg/l	NT		**30.**		NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
N-Nitrosodimethylamine	µg/l	NT		**0.54**		ND(0.02)	/U	ND(0.02)	/U	ND(0.02)	/U	NT		ND(0.02)	/U
N-Nitrosodinpropylamine	µg/l	NT		**0.15**		NT		**0.035**	**/JB**	**0.22**		NT		ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	NT		**0.76**		NT		ND(0.10)	/U	**0.27**		NT		**0.059**	**/J**
Pentachloronitrobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pyrene	µg/l	NT		ND(0.10)	/U	NT		ND(0.10)	/U	ND(0.10)	/U	NT		ND(0.10)	/U
SW8290															
1,2,3,4,6,7,8-HpCDF	pg/l	NT		NT		ND(2.16)		ND(0.899)	/U	ND(3.06)		NT		ND(0.501)	/U
Hepta-CDFs (total)	pg/l	NT		NT		ND(3.26)		NT		ND(4.57)		NT		NT	
OCDD	pg/l	NT		NT		ND(6.93)		ND(4.4)	/U	ND(12.6)		NT		ND(3.15)	/U
OCDF	pg/l	NT		NT		ND(8.43)		ND(2.38)	/U	ND(12.6)		NT		ND(0.688)	/U
SW9012															
Cyanide (Free)	mg/l	NT		ND(0.02)	/U	ND(0.012)	/U	ND(0.02)	/U	NT		NT		ND(0.02)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-7B		RG-7B		RIPH-1	RIPH-2	RIPH-3	RIPH-4	RIPH-5
	Sample Date:	10/15/04		03/25/05		010/8/07	03/02/07	03/02/07	03/02/07	02/15/07
	Sample Depth (feet):									
	Sample Number:	31354		31532		31969	31974	31973	31972	31970
	Lab Batch:	0410883		0503033		0700256	0702605	0702605	0702605	0702182
Test Method/Analyte Name	Units	Value	Qual	Value	Qual					
E150.1										
pH	ph	7.0		6.84		NT	NT	NT	NT	NT
E160.1										
Total Dissolved Solids (TDS)	mg/l	13,000.	/D	12,000.	/D	NT	NT	NT	NT	NT
E200.8										
Antimony-D	µg/l	ND(2.0)	/U	ND(10.)	/UD	NT	NT	NT	NT	NT
Antimony-T	µg/l	ND(10.)	/UD	ND(10.)	/UD	NT	NT	NT	NT	NT
Arsenic-D	µg/l	320.		260.	/D	NT	NT	NT	NT	NT
Arsenic-T	µg/l	220.	/D	52.	/D	NT	NT	NT	NT	NT
Beryllium-D	µg/l	0.032	J-/J	0.10	/JD	NT	NT	NT	NT	NT
Beryllium-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	NT	NT	NT	NT	NT
Cadmium-D	µg/l	120.	/B	47.	/D	NT	NT	NT	NT	NT
Cadmium-T	µg/l	120.	/D	48.	/D	NT	NT	NT	NT	NT
Lead-D	µg/l	0.41	/J	ND(5.0)	/UD	NT	NT	NT	NT	NT
Lead-T	µg/l	1.3	/JD	0.78	/JD	NT	NT	NT	NT	NT
Selenium-D	µg/l	1,300.	J+	1,000.	/D	NT	NT	NT	NT	NT
Selenium-T	µg/l	780.	/D	190.	/D	NT	NT	NT	NT	NT
Silver-D	µg/l	ND(1.0)	/U	ND(5.0)	/UD	NT	NT	NT	NT	NT
Silver-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	NT	NT	NT	NT	NT
Thallium-D	µg/l	ND(1.0)	/U	ND(5.0)	/UD	NT	NT	NT	NT	NT
Thallium-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	NT	NT	NT	NT	NT
Tin-T	µg/l	ND(5.0)	/UD	ND(5.0)	/UD	NT	NT	NT	NT	NT
Zinc-D	µg/l	99.		120.	/D	NT	NT	NT	NT	NT
Zinc-T	µg/l	35.	/D	ND(25.)	/UD	NT	NT	NT	NT	NT
E300.0										
Bromide	mg/l	220.	/D	250.	/D	NT	NT	NT	NT	NT
Chloride	mg/l	4,700.	/D	4,700.	/D	NT	NT	NT	NT	NT
Fluoride	mg/l	ND(1.0)	/UD	ND(1.0)	/UD	NT	NT	NT	NT	NT
Nitrate (as NO3)	mg/l	ND(8.8)	/UD	ND(8.8)	/UD	NT	NT	NT	NT	NT
Nitrate as N	mg/l	ND(2.0)	/UD	ND(2.0)	/UD	NT	NT	NT	NT	NT
Sulfate	mg/l	3,100.	/D	3,000.	/D	NT	NT	NT	NT	NT
E310.1										
Bicarbonate Alkalinity as CaCO3	mg/l	650.	/D	630.	/D	NT	NT	NT	NT	NT
E314.0										
Perchlorate	µg/l	NT		NT		NT	NT	NT	NT	NT
E504.1										
1,2 Dibromoethane (EDB)	µg/l	0.45	J	4.0	/D	ND(0.01)	NT	NT	NT	NT
1,2,3 Trichloropropane	µg/l	1.4		ND(0.05)	/U	ND(0.05)	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)	/U	ND(0.01)	/U	ND(0.01)	NT	NT	NT	NT
EPA8081										

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-7B**		**RG-7B**		**RIPH-1**	**RIPH-2**	**RIPH-3**	**RIPH-4**	**RIPH-5**
	Sample Date:	**10/15/04**		**03/25/05**		**010/8/07**	**03/02/07**	**03/02/07**	**03/02/07**	**02/15/07**
	Sample Depth (feet):									
	Sample Number:	**31354**		**31532**		**31969**	**31974**	**31973**	**31972**	**31970**
	Lab Batch:	**0410883**		**0503033**		**0700256**	**0702605**	**0702605**	**0702605**	**0702182**
Test Method/Analyte Name	Units	Value	Qual	Value	Qual					
Beta-BHC	µg/l	ND(0.005)	/U	ND(0.005)	/U	NT	NT	NT	NT	NT
EPA8141										
Phorate	µg/l	NT		NT		NT	NT	NT	NT	NT
EPA8151										
2,4,5-TP (Silvex)	µg/l	ND(0.07)	/U	ND(0.07)	/U	NT	NT	NT	NT	NT
2,4-D	µg/l	ND(0.40)	/U	ND(0.40)	/U	NT	NT	NT	NT	NT
Dicamba	µg/l	ND(0.08)	/U	ND(0.08)	/U	NT	NT	NT	NT	NT
Dichloroprop	µg/l	ND(0.50)	/U	ND(0.50)	/U	NT	NT	NT	NT	NT
MCPP	µg/l	ND(10.)	/U	ND(10.)	/U	NT	NT	NT	NT	NT
Picloram	µg/l	ND(0.05)	/U	ND(0.05)	/U	NT	NT	NT	NT	NT
EPA8330										
HMX	µg/l	NT		NT		NT	NT	NT	NT	NT
pCBSA-LC-MS/MS										
p-CBSA	µg/l	NT		NT		NT	NT	NT	NT	NT
SW6010										
Aluminum-T	µg/l	ND(250.)	/UD	ND(250.)	/UD	NT	NT	NT	NT	NT
Barium-D	µg/l	**160.**	**/D**	**200.**	**/D**	NT	NT	NT	NT	NT
Barium-T	µg/l	**26.**	**/JD**	**30.**	**/JD**	NT	NT	NT	NT	NT
Calcium-D	mg/l	**840.**	**/D**	**870.**	**/D**	NT	NT	NT	NT	NT
Calcium-T	mg/l	**820.**	**/D**	**870.**	**/D**	NT	NT	NT	NT	NT
Chromium-D	µg/l	**12.**	**/JDB**	ND(50.)	/UD	NT	NT	NT	NT	NT
Chromium-T	µg/l	**31.**	**/JD**	ND(50.)	/UD	NT	NT	NT	NT	NT
Cobalt-D	µg/l	**24.**	**/JD**	ND(250.)	/UD	NT	NT	NT	NT	NT
Cobalt-T	µg/l	ND(250.)	/UD	ND(250.)	/UD	NT	NT	NT	NT	NT
Copper-D	µg/l	**12.**	**/JD**	**11.**	**/JD**	NT	NT	NT	NT	NT
Copper-T	µg/l	**15.**	**/JD**	ND(50.)	/UD	NT	NT	NT	NT	NT
Iron-D	µg/l	**36.**	**/JDB**	ND(250.)	/UD	NT	NT	NT	NT	NT
Iron-T	µg/l	**450.**	**/D**	**250.**	**/D**	NT	NT	NT	NT	NT
Magnesium-D	mg/l	**570.**	**/D**	**570.**	**/D**	NT	NT	NT	NT	NT
Magnesium-T	mg/l	**550.**	**/D**	**580.**	**/D**	NT	NT	NT	NT	NT
Manganese-D	µg/l	**10,000.**	**/D**	**10,000.**	**/D**	NT	NT	NT	NT	NT
Manganese-T	µg/l	**9,600.**	**/D**	**11,000.**	**/D**	NT	NT	NT	NT	NT
Molybdenum-D	µg/l	**82.**	**/JD**	**56.**	**/JD**	NT	NT	NT	NT	NT
Molybdenum-T	µg/l	**81.**	**/JD**	**65.**	**/JD**	NT	NT	NT	NT	NT
Nickel-D	µg/l	**220.**	**/D**	**210.**	**/D**	NT	NT	NT	NT	NT
Nickel-T	µg/l	**220.**	**/D**	**210.**	**/D**	NT	NT	NT	NT	NT
Potassium-D	mg/l	**25.**	**/D**	**28.**	**/D**	NT	NT	NT	NT	NT
Potassium-T	mg/l	**24.**	**/D**	**26.**	**/D**	NT	NT	NT	NT	NT
Sodium-D	mg/l	**2,600.**	**/D**	**2,700.**	**/DB**	NT	NT	NT	NT	NT
Sodium-T	mg/l	**2,500.**	**/D**	**2,700.**	**/D**	NT	NT	NT	NT	NT

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-7B		RG-7B		RIPH-1		RIPH-2		RIPH-3		RIPH-4		RIPH-5	
	Sample Date:	10/15/04		03/25/05		010/8/07		03/02/07		03/02/07		03/02/07		02/15/07	
	Sample Depth (feet):														
	Sample Number:	31354		31532		31969		31974		31973		31972		31970	
	Lab Batch:	0410883		0503033		0700256		0702605		0702605		0702605		0702182	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual										
Vanadium-D	µg/l	76.	/D	ND(50.)	/UD	NT		NT		NT		NT		NT	
Vanadium-T	µg/l	74.	/D	29.	/JD	NT		NT		NT		NT		NT	
SW7470															
Mercury-D	µg/l	0.06	/J	0.12	/JD	NT		NT		NT		NT		NT	
Mercury-T	µg/l	ND(0.20)	/U	ND(0.40)	/UD	NT		NT		NT		NT		NT	
SW8015B-DI															
1-Propanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,4-Dioxane	µg/l	NT		NT		70.	/J	ND(10.)		ND(10.)		ND(10.)		ND(10.)	
Acetone	µg/l	NT		NT		6.7	/J	ND(100.)		ND(100.)		ND(100.)		ND(100.)	
Crotonaldehyde	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethylene glycol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Methanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	1,100.		1,100.		NT		NT		NT		NT		NT	
TPH-Motor Oil	µg/l	ND(500.)	/U	170.	/J	NT		NT		NT		NT		NT	
SW8260															
1,1 Dichloroethane	µg/l	59.		67.		30.		12.		4.8		ND(0.50)		65.	
1,1 Dichloroethene	µg/l	5.9		9.8		1.0		4.9		ND(0.50)		ND(0.50)		55.	
1,1,1 Trichloroethane	µg/l	2.7		3.0		ND(0.50)		0.89		ND(0.50)		ND(0.50)		ND(0.50)	
1,1,2 Trichloroethane	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
1,2 Dichloroethane	µg/l	2.5		3.3		3.6		ND(0.50)		ND(0.50)		ND(0.50)		0.73	
1,2 Dichloroethene	µg/l	24.		22.		NT		NT		NT		NT		NT	
1,2 Dichloropropane	µg/l	0.34	/J	0.39	/J	0.12	/J	ND(0.50)		ND(0.50)		ND(0.50)		37.	
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	14.	/N	13.	/NJ	NT		NT		NT		NT		NT	
1,2-Dichlorobenzene	µg/l	1.6		2.1		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
1,3 Dichlorobenzene	µg/l	ND(0.50)	/U	0.19	/J	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
1,4 Dichlorobenzene	µg/l	0.16	/J	0.22	/J	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
2-(Ethylthio)propane	µg/l	2.2	/N	NT		NT		NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Benzene	µg/l	1.5		1.9		0.48	/J	0.35	/J	0.14	/J	ND(0.50)		78.	
Carbon Disulfide	µg/l	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)		0.31	/J	0.54	/J	1.4		8.2	
Carbon Tetrachloride	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
Chlorobenzene	µg/l	0.18	/J	0.22	/J	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
Chloroethane	µg/l	0.17	/J	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		2.3	
Chlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Chloroform	µg/l	4.9		6.1		1.8		4.2		0.12	/J	0.17	/J	3.4	
Chlorotrifluoroethene	µg/l	0.23	/J	0.25	/J	NT		NT		NT		NT		NT	
Cis 1,2 Dichloroethene	µg/l	24.		22.		7.4		0.35	/J	ND(0.50)		ND(0.50)		5.5	
Dichlorofluoromethane	µg/l	1.7	/N	1.7	/NJ	NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	0.23	/J	0.38	/J	NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RG-7B		RG-7B		RIPH-1		RIPH-2		RIPH-3		RIPH-4		RIPH-5	
	Sample Date:	10/15/04		03/25/05		010/8/07		03/02/07		03/02/07		03/02/07		02/15/07	
	Sample Depth (feet):														
	Sample Number:	31354		31532		31969		31974		31973		31972		31970	
	Lab Batch:	0410883		0503033		0700256		0702605		0702605		0702605		0702182	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual										
Diisopropyl sulfide	µg/l	NT		18.	/NJ	NT		NT		NT		NT		NT	
Ethylbenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		0.12	/J	0.15	/J	ND(0.50)		0.13	/J
Ethyl ether	µg/l	2.2	/N	2.4	/NJ	NT		NT		NT		NT		NT	
Freon 11	µg/l	0.21	/J	0.27	/J	ND(0.50)		0.23	/J	ND(0.50)		ND(0.50)		ND(0.50)	
Freon 112	µg/l	0.52		0.72		NT		NT		NT		NT		NT	
Freon 113	µg/l	12.		24.		ND(0.50)		2.1		ND(0.50)		ND(0.50)		60.	
Freon 12	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		0.30	/J
Isopropylbenzene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)	
Methylcyclopentane	µg/l	ND(0.50)	/U	ND(0.50)	/U	NT		NT		NT		NT		NT	
Methylene Chloride	µg/l	ND(1.0)	/U	ND(1.0)	/U	0.19	/J	ND(1.0)		ND(1.0)		ND(1.0)		3.1	
Methyl-tert-butyl ether	µg/l	ND(0.50)	/U	ND(0.50)	/U	NT		NT		NT		NT		NT	
o-Xylene	µg/l	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		0.10	/J
Propane, 2-(ethylthio)-	µg/l	NT		4.3	/NJ	NT		NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT		4.0	/NJ	NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	5.8		8.4		ND(0.50)		1.3		ND(0.50)		ND(0.50)		0.45	/J
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	13.	/N	13.	/NJ	NT		NT		NT		NT		NT	
Tetrahydrofuran	µg/l	16.	/J	18.	/J	38.		ND(20.)		ND(20.)		ND(20.)		ND(20.)	
Toluene	µg/l	ND(0.50)	/U	ND(0.50)	/U	0.16	/J	0.21	/J	0.16	/J	0.14	/J	0.45	/J
trans 1,2 Dichloroethene	µg/l	0.70		0.82		ND(0.50)		ND(0.50)		ND(0.50)		ND(0.50)		3.9	
Trichloroethene	µg/l	37.		59.		1.3		2.1		ND(0.50)		ND(0.50)		22.	
Trifluoromethylbenzene	µg/l	0.24	/J	0.31	/J	NT		NT		NT		NT		NT	
Unknown compound @ 15_18 R_T_	µg/l	NT		49.	/NJ	NT		NT		NT		NT		NT	
Unknown compound @ 16_99 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound	µg/l	48.	/N	NT		NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	7.2		6.7		7.4		ND(0.50)		ND(0.50)		ND(0.50)		0.30	/J
SW8270															
(E)-9-Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-dioxide-tetrahydro-Thiophe	µg/l	170.	/N	NT		NT		NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	µg/l	20.	/N	16.	/NJ	NT		NT		NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	9.4	/N	11.	/NJ	NT		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	ND(2.0)	/U	NT		NT		NT		NT		NT	
17-Pentatriacontene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Docosene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Dotriacontanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Octadecene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	15.	/N	NT		NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-7B**		**RG-7B**		**RIPH-1**	**RIPH-2**	**RIPH-3**	**RIPH-4**	**RIPH-5**
	Sample Date:	**10/15/04**		**03/25/05**		**010/8/07**	**03/02/07**	**03/02/07**	**03/02/07**	**02/15/07**
	Sample Depth (feet):									
	Sample Number:	**31354**		**31532**		**31969**	**31974**	**31973**	**31972**	**31970**
	Lab Batch:	**0410883**		**0503033**		**0700256**	**0702605**	**0702605**	**0702605**	**0702182**
Test Method/Analyte Name	Units	Value	Qual	Value	Qual					
2,4-Dichlorophenol	µg/l	ND(2.0)	/U	ND(2.0)	/U	NT	ND(4.8)	NT	NT	NT
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT	NT	NT	NT	NT
2,5-Dichloropyridine	µg/l	NT		NT		NT	NT	NT	NT	NT
2,6-Dichloropyridine	µg/l	NT		**23.**	**/NJ**	NT	NT	NT	NT	NT
2-Chlorocyclohexanol	µg/l	NT		NT		NT	NT	NT	NT	NT
2-Fluoro-6-nitrophenol	µg/l	NT		NT		NT	NT	NT	NT	NT
2-Methyl-Thiazole	µg/l	NT		NT		NT	NT	NT	NT	NT
4,4'-Butylidenebis Phenol Compound	µg/l	NT		NT		NT	NT	NT	NT	NT
4,6-Dehydroadamantanone	µg/l	**38.**	**/N**	NT		NT	NT	NT	NT	NT
5-Octadecene, (E)-	µg/l	NT		NT		NT	NT	NT	NT	NT
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT		NT		NT	NT	NT	NT	NT
bis(2-Ethylhexyl) phthalate	µg/l	ND(5.0)	/U	**5.9**	**/B**	NT	ND(9.7)	NT	NT	NT
cis-2-Bromocyclohexanol	µg/l	NT		NT		NT	NT	NT	NT	NT
Cyclohexane, 1,1-dichloro-	µg/l	NT		NT		NT	NT	NT	NT	NT
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT		NT		NT	NT	NT	NT	NT
Cyclohexanone	µg/l	NT		NT		NT	NT	NT	NT	NT
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT		NT		NT	NT	NT	NT	NT
Cyclotetracosane	µg/l	NT		NT		NT	NT	NT	NT	NT
Dichloroprop	µg/l	NT		NT		NT	NT	NT	NT	NT
Diethyl phthalate	µg/l	ND(2.0)	/U	ND(2.0)	/U	NT	**8.0**	NT	NT	NT
Diisopropyl sulfide	µg/l	NT		NT		NT	NT	NT	NT	NT
Di-n-butyl phthalate	µg/l	ND(2.0)	/U	ND(2.0)	/U	NT	ND(4.8)	NT	NT	NT
Glycocyanidine	µg/l	**44.**	**/N**	NT		NT	NT	NT	NT	NT
n-Hexadecanoic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
n-Octadecyl ester Triflouroace	µg/l	NT		NT		NT	NT	NT	NT	NT
Nonanoic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
Octadecanoic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
Octanoic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
Oleic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
Tetrachloroethene	µg/l	NT		NT		NT	NT	NT	NT	NT
Tetradecanoic acid	µg/l	NT		NT		NT	NT	NT	NT	NT
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		**160.**	**/NJ**	NT	NT	NT	NT	NT
SW8270C-SIM										
1,4-Dichlorobenzene	µg/l	NT		NT		NT	NT	NT	NT	NT
Acenaphthylene	µg/l	**0.083**	**/J**	**0.10**		NT	NT	NT	NT	NT
Benzo(a)anthracene	µg/l	ND(0.012)	U/J	**0.0096**	**/J**	NT	NT	NT	NT	NT
Benzo(a)pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	NT	NT	NT	**0.10** **/J**
Benzo(ghi)perylene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT	ND(4.8)	NT	NT	NT

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RG-7B**		**RG-7B**		**RIPH-1**		**RIPH-2**	**RIPH-3**	**RIPH-4**	**RIPH-5**
	Sample Date:	**10/15/04**		**03/25/05**		**010/8/07**		**03/02/07**	**03/02/07**	**03/02/07**	**02/15/07**
	Sample Depth (feet):										
	Sample Number:	**31354**		**31532**		**31969**		**31974**	**31973**	**31972**	**31970**
	Lab Batch:	**0410883**		**0503033**		**0700256**		**0702605**	**0702605**	**0702605**	**0702182**
Test Method/Analyte Name	Units	Value	Qual	Value	Qual						
bis(2-Chloroethyl) ether	µg/l	ND(0.10)	/U	ND(0.10)	/U	**0.013**	**/J**	NT	NT	NT	NT
Chrysene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
Dibenzo(a,h)anthracene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
Fluoranthene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
Fluorene	µg/l	**0.11**		**0.12**		NT		NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
Naphthalene	µg/l	**0.075**	**B/J**	**0.059**	**/J**	NT		NT	NT	NT	NT
N-Nitrosodiethylamine	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
N-Nitrosodimethylamine	µg/l	ND(0.02)	/U	**0.019**	**/J**	NT		NT	NT	NT	NT
N-Nitrosodinpropylamine	µg/l	ND(0.17)	U/B	**0.32**		**0.10**		NT	NT	NT	NT
n-Nitrosopyrrolidine	µg/l	**0.33**		**0.26**		**0.072**	**/J**	NT	NT	NT	NT
Pentachloronitrobenzene	µg/l	NT		NT		NT		NT	NT	NT	NT
Pyrene	µg/l	ND(0.10)	/U	ND(0.10)	/U	NT		NT	NT	NT	NT
SW8290											
1,2,3,4,6,7,8-HpCDF	pg/l	ND(1.95)		ND(0.77)	/U	NT		NT	NT	NT	NT
Hepta-CDFs (total)	pg/l	ND(2.8)		NT		NT		NT	NT	NT	NT
OCDD	pg/l	ND(8.4)		**8.21**	**/J**	NT		NT	NT	NT	NT
OCDF	pg/l	ND(6.93)		ND(1.7)	/U	NT		NT	NT	NT	NT
SW9012											
Cyanide (Free)	mg/l	ND(0.012)	/U	ND(0.02)	/U	NT		NT	NT	NT	NT

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RIPH-6	RIPH-7	RIMW-1		RIMW-1		RIMW-2		RIMW-2		RIMW-5	
	Sample Date:	05/24/07	06/04/07	01/19/05		03/31/05		01/20/05		03/25/05		01/20/05	
	Sample Depth (feet):												
	Sample Number:	32090	32091	31474		31566		31492		31533		31484	
	Lab Batch:	0706218	0706435	0500633		0503210		0500677		0503033		0500677	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1													
pH	ph	NT	NT	7.52		7.14		6.85		6.88		NT	
E160.1													
Total Dissolved Solids (TDS)	mg/l	NT	NT	13,000.	/D	13,000.	/D	12,000.	/D	12,000.	/D	NT	
E200.8													
Antimony-D	µg/l	NT	NT	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	NT	
Antimony-T	µg/l	NT	NT	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	NT	
Arsenic-D	µg/l	NT	NT	32.	/D	56.	/D	180.	J+/D	210.	/D	NT	
Arsenic-T	µg/l	NT	NT	14.	/D	25.	/D	140.	/D	95.	/D	NT	
Beryllium-D	µg/l	NT	NT	0.61	J-*/JD	ND(5.0)	/UD	0.90	/JD	0.10	/JD	NT	
Beryllium-T	µg/l	NT	NT	0.10	/JD	1.9	/JD	0.16	/JD	ND(5.0)	/UD	NT	
Cadmium-D	µg/l	NT	NT	0.11	/JD	ND(5.0)	/UD	42.	/D	17.	/D	NT	
Cadmium-T	µg/l	NT	NT	ND(5.0)	/UD	ND(5.0)	/UD	50.	/D	16.	/D	NT	
Lead-D	µg/l	NT	NT	0.35	/JD	0.16	/JD	7.7	/D	ND(5.0)	/UD	NT	
Lead-T	µg/l	NT	NT	0.65	/JD	0.15	/JD	15.	/D	0.10	/JD	NT	
Selenium-D	µg/l	NT	NT	180.	/D	230.	/D	820.	J+/D	860.	/D	NT	
Selenium-T	µg/l	NT	NT	50.	J*/D	110.	/D	600.	/D	340.	/D	NT	
Silver-D	µg/l	NT	NT	0.12	J-*/JD	0.26	/JD	0.12	J-/JD	ND(5.0)	/UD	NT	
Silver-T	µg/l	NT	NT	0.23	/JD	0.20	/JD	0.37	/JD	ND(5.0)	/UD	NT	
Thallium-D	µg/l	NT	NT	0.76	J-*/JD	1.1	/JD	ND(5.0)	/UD	ND(5.0)	/UD	NT	
Thallium-T	µg/l	NT	NT	0.82	/JD	0.76	/JD	ND(5.0)	/UD	ND(5.0)	/UD	NT	
Tin-T	µg/l	NT	NT	ND(5.0)	/UD	ND(5.0)	/UD	ND(5.0)	/UD	ND(5.0)	/UD	NT	
Zinc-D	µg/l	NT	NT	130.	J-*/DB	34.	/D	91.	/D	120.	/D	NT	
Zinc-T	µg/l	NT	NT	250.	/D	ND(25.)	/UD	ND(25.)	/UD	ND(25.)	/UD	NT	
E300.0													
Bromide	mg/l	NT	NT	48.	/D	55.	/D	220.	/D	200.	/D	NT	
Chloride	mg/l	NT	NT	2,600.	/D	2,900.	/D	4,800.	/D	4,300.	/D	NT	
Fluoride	mg/l	NT	NT	0.52	/JD	0.56	/JD	ND(2.5)	/UD	ND(1.0)	/UD	NT	
Nitrate (as NO3)	mg/l	NT	NT	20.	/D	6.6	/JD	ND(22.)	/UD	4.8	/JD	NT	
Nitrate as N	mg/l	NT	NT	4.6	/D	1.5	/JD	ND(5.0)	/UD	1.1	/JD	NT	
Sulfate	mg/l	NT	NT	5,700.	/D	5,500.	/D	2,800.	/D	3,200.	/D	NT	
E310.1													
Bicarbonate Alkalinity as CaCO3	mg/l	NT	NT	600.	/D	620.	/D	600.	/D	590.	/D	NT	
E314.0													
Perchlorate	µg/l	NT	NT	NT		NT		NT		NT		NT	
E504.1													
1,2 Dibromoethane (EDB)	µg/l	NT	NT	ND(0.01)	/U	ND(0.01)	/U	0.13		4.0	/D	ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	NT	NT	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	NT	NT	ND(0.01)	/U	ND(0.01)	/U	0.027		0.026	/P	ND(0.01)	/U
EPA8081													

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RIPH-6	RIPH-7	RIMW-1		RIMW-1		RIMW-2		RIMW-2		RIMW-5	
	Sample Date:	05/24/07	06/04/07	01/19/05		03/31/05		01/20/05		03/25/05		01/20/05	
	Sample Depth (feet):												
	Sample Number:	32090	32091	31474		31566		31492		31533		31484	
	Lab Batch:	0706218	0706435	0500633		0503210		0500677		0503033		0500677	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Beta-BHC	µg/l	NT	NT	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	ND(0.005)	/U	NT	
EPA8141													
Phorate	µg/l	NT	NT	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U	0.051	/JP	NT	
EPA8151													
2,4,5-TP (Silvex)	µg/l	NT	NT	ND(0.07)	/U	0.30	/P	ND(0.07)	/U	ND(0.07)	/U	NT	
2,4-D	µg/l	NT	NT	ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	ND(0.40)	/U	NT	
Dicamba	µg/l	NT	NT	ND(0.08)	/U	ND(0.08)	/U	ND(0.08)	/U	ND(0.08)	/U	NT	
Dichloroprop	µg/l	NT	NT	3.1	J*	2.1		ND(0.50)	/U	ND(0.50)	/U	NT	
MCPP	µg/l	NT	NT	ND(10.)	UJ*/U	72.	/P	ND(10.)	/U	ND(10.)	/U	NT	
Picloram	µg/l	NT	NT	0.57	J*	ND(0.05)	/U	ND(0.05)	/U	ND(0.05)	/U	NT	
EPA8330													
HMX	µg/l	NT	NT	NT		NT		NT		NT		NT	
pCBSA-LC-MS/MS													
p-CBSA	µg/l	NT	NT	NT		NT		NT		NT		NT	
SW6010													
Aluminum-T	µg/l	NT	NT	ND(250.)	/UD	ND(250.)	/UD	800.	J+/D	ND(250.)	/UD	NT	
Barium-D	µg/l	NT	NT	100.	/D	83.	/D	230.	/D	160.	/D	NT	
Barium-T	µg/l	NT	NT	16.	/JD	16.	/JD	52.	/D	46.	/JD	NT	
Calcium-D	mg/l	NT	NT	560.	/D	560.	/D	970.	/D	910.	/D	NT	
Calcium-T	mg/l	NT	NT	550.	/D	640.	/D	970.	/D	810.	/D	NT	
Chromium-D	µg/l	NT	NT	30.	/JD	ND(50.)	/UD	12.	/JD	ND(50.)	/UD	NT	
Chromium-T	µg/l	NT	NT	35.	/JD	ND(50.)	/UD	20.	/JD	ND(50.)	/UD	NT	
Cobalt-D	µg/l	NT	NT	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	NT	
Cobalt-T	µg/l	NT	NT	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	NT	
Copper-D	µg/l	NT	NT	ND(50.)	/UD	ND(50.)	/UD	140.	/D	8.6	/JD	NT	
Copper-T	µg/l	NT	NT	ND(50.)	/UD	ND(50.)	/UD	200.	/D	ND(50.)	/UD	NT	
Iron-D	µg/l	NT	NT	55.	/JD	ND(250.)	/UD	ND(250.)	/UD	ND(250.)	/UD	NT	
Iron-T	µg/l	NT	NT	130.	/JD	120.	/JD	630.	/D	240.	/JD	NT	
Magnesium-D	mg/l	NT	NT	1,100.	/D	1,100.	/D	570.	/D	530.	/D	NT	
Magnesium-T	mg/l	NT	NT	1,100.	/D	1,200.	/D	550.	/D	480.	/D	NT	
Manganese-D	µg/l	NT	NT	550.	/D	580.	/D	8,800.	/D	9,500.	/D	NT	
Manganese-T	µg/l	NT	NT	520.	/D	630.	/D	8,700.	/D	9,400.	/D	NT	
Molybdenum-D	µg/l	NT	NT	42.	/JD	39.	/JD	29.	/JD	29.	/JD	NT	
Molybdenum-T	µg/l	NT	NT	35.	/JD	41.	/JD	31.	/JD	33.	/JD	NT	
Nickel-D	µg/l	NT	NT	120.	/D	120.	/D	180.	/D	190.	/D	NT	
Nickel-T	µg/l	NT	NT	87.	/D	120.	/D	180.	/D	190.	/D	NT	
Potassium-D	mg/l	NT	NT	65.	/D	69.	/D	52.	/D	57.	/D	NT	
Potassium-T	mg/l	NT	NT	65.	J*/D	72.	/D	50.	/D	49.	/D	NT	
Sodium-D	mg/l	NT	NT	1,700.	/D	1,700.	/D	2,700.	/D	2,900.	/DB	NT	
Sodium-T	mg/l	NT	NT	1,600.	/DB	1,900.	/D	2,700.	/D	2,500.	/D	NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RIPH-6	RIPH-7	RIMW-1		RIMW-1		RIMW-2		RIMW-2		RIMW-5	
	Sample Date:	05/24/07	06/04/07	01/19/05		03/31/05		01/20/05		03/25/05		01/20/05	
	Sample Depth (feet):												
	Sample Number:	32090	32091	31474		31566		31492		31533		31484	
	Lab Batch:	0706218	0706435	0500633		0503210		0500677		0503033		0500677	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vanadium-D	µg/l	NT	NT	**93.**	**/D**	ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD	NT	
Vanadium-T	µg/l	NT	NT	ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD	**19.**	**/JD**	NT	
SW7470													
Mercury-D	µg/l	NT	NT	**0.05**	**/J**	ND(0.20)	/U	**0.065**	**/J**	**0.12**	**/JD**	NT	
Mercury-T	µg/l	NT	NT	ND(0.20)	/U	ND(0.20)	/U	ND(0.20)	/U	ND(0.40)	/UD	NT	
SW8015B-DI													
1-Propanol	µg/l	NT	NT	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT	
1,4-Dioxane	µg/l	NT	NT	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT	
Acetone	µg/l	NT	NT	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT	
Crotonaldehyde	µg/l	NT	NT	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT	
Ethylene glycol	µg/l	NT	NT	ND(5,000.)	UJ*/U	ND(5,000.)	/U	**6,700.**		**7,300.**	**/B**	NT	
Methanol	µg/l	NT	NT	**620.**		ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT	
SW8015M													
Diesel Range Organics (C12 - C24)	µg/l	NT	NT	NT		NT		NT		NT		NT	
TPH-Motor Oil	µg/l	NT	NT	NT		NT		NT		NT		NT	
SW8260													
1,1 Dichloroethane	µg/l	NT	**0.27**	**0.92**		**0.91**		**61.**		**60.**		ND(0.50)	/U
1,1 Dichloroethene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**12.**		**13.**		ND(0.50)	/U
1,1,1 Trichloroethane	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**8.0**		**8.4**		ND(0.50)	/U
1,1,2 Trichloroethane	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
1,2 Dichloroethane	µg/l	NT	ND(0.50)	**0.66**		**0.70**		**3.0**		**2.8**		ND(0.50)	/U
1,2 Dichloroethene	µg/l	NT	NT	ND(1.0)	/U	ND(1.0)	/U	**22.**		**27.**		ND(1.0)	/U
1,2 Dichloropropane	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.45**	**/J**	**0.36**	**/J**	ND(0.50)	/U
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT	NT	**9.0**	**/N**	NT		**13.**	**/N**	**14.**	**/NJ**	NT	
1,2-Dichlorobenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**2.9**		**4.5**		ND(0.50)	/U
1,3 Dichlorobenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.21**	**/J**	**0.35**	**/J**	ND(0.50)	/U
1,4 Dichlorobenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.33**	**/J**	**0.56**		ND(0.50)	/U
2-(Ethylthio)propane	µg/l	NT	NT	NT		NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT	NT	NT		NT		**5.1**	**/N**	NT		NT	
Benzene	µg/l	NT	**0.27**	ND(0.50)	/U	ND(0.50)	/U	**3.1**		**3.2**		ND(0.50)	/U
Carbon Disulfide	µg/l	NT	**0.38**	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U
Carbon Tetrachloride	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Chlorobenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.45**	**/J**	**0.53**		ND(0.50)	/U
Chloroethane	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Chlorofluoromethane	µg/l	NT	NT	NT		NT		NT		NT		NT	
Chloroform	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**7.8**		**6.9**		ND(0.50)	/U
Chlorotrifluoroethene	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	**0.19**	**/J**	**0.53**		ND(0.50)	/U
Cis 1,2 Dichloroethene	µg/l	NT	ND(0.50)	**0.20**	**/J**	ND(0.50)	/U	**21.**		**26.**		ND(0.50)	/U
Dichlorofluoromethane	µg/l	NT	NT	NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	**0.29**	**/J**	**0.26**	**/J**	ND(0.50)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIPH-6**	**RIPH-7**	**RIMW-1**		**RIMW-1**		**RIMW-2**		**RIMW-2**		**RIMW-5**	
	Sample Date:	**05/24/07**	**06/04/07**	**01/19/05**		**03/31/05**		**01/20/05**		**03/25/05**		**01/20/05**	
	Sample Depth (feet):												
	Sample Number:	**32090**	**32091**	**31474**		**31566**		**31492**		**31533**		**31484**	
	Lab Batch:	**0706218**	**0706435**	**0500633**		**0503210**		**0500677**		**0503033**		**0500677**	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl sulfide	µg/l	NT	NT	NT		NT		**18.**	**/N**	**9.1**	**/NJ**	NT	
Ethylbenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Ethyl ether	µg/l	NT	NT	**1.7**	**/N**	NT		NT		NT		NT	
Freon 11	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.75**		**0.72**		ND(0.50)	/U
Freon 112	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	**6.5**		**7.6**		ND(0.50)	/U
Freon 113	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**51.**		**59.**		ND(0.50)	/U
Freon 12	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Isopropylbenzene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.22**	**/J**	**0.31**	**/J**	ND(0.50)	/U
Methylcyclopentane	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	**0.40**	**/J**	**0.52**		ND(0.50)	/U
Methylene Chloride	µg/l	NT	ND(1.0)	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U	ND(1.0)	/U
Methyl-tert-butyl ether	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
o-Xylene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
Propane, 2-(ethylthio)-	µg/l	NT	NT	NT		NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT	NT	NT		NT		NT		**4.6**	**/NJ**	NT	
Tetrachloroethene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**87.**		**100.**	**/D**	ND(0.50)	/U
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	NT	NT	NT		NT		**13.**	**/N**	**10.**	**/NJ**	NT	
Tetrahydrofuran	µg/l	NT	ND(20.)			ND(20.)	/U	**15.**	**/J**	**14.**	**/J**	ND(20.)	/U
Toluene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U	ND(0.50)	/U
trans 1,2 Dichloroethene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**0.76**		**0.96**		ND(0.50)	/U
Trichloroethene	µg/l	NT	ND(0.50)	ND(0.50)	/U	ND(0.50)	/U	**97.**	**/D**	**150.**	**/D**	ND(0.50)	/U
Trifluoromethylbenzene	µg/l	NT	NT	ND(0.50)	/U	ND(0.50)	/U	**1.4**		**1.6**		ND(0.50)	/U
Unknown compound @ 15_18 R_T_	µg/l	NT	NT	NT		NT		**51.**		**60.**	**/NJ**	NT	
Unknown compound @ 16_99 R_T_	µg/l	NT	NT	NT		NT		**3.0**		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT	NT	NT		NT		NT		NT		NT	
Unknown Compound	µg/l	NT	NT	NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	NT	ND(0.50)	**0.21**	**/J**	**0.40**	**/J**	**5.0**		**12.**		ND(0.50)	/U
SW8270													
(E)-9-Octadecanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
1,1-dioxide-tetrahydro-Thiophe	µg/l	NT	NT	NT		NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	µg/l	NT	NT	NT		NT		**22.**	**/N**	**14.**	**/NJD**	NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	NT	NT	NT		NT		**14.**	**/N**	**8.5**	**/NJD**	NT	
1,2,3-Trimethylbenzene	µg/l	NT	NT	NT		NT		NT		NT		NT	
1,2,4 Trimethylbenzene	µg/l	NT	NT	**6.9**	**/N**	NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	NT	NT	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(1.8)	/UD	ND(2.0)	/U
17-Pentatriacontene	µg/l	NT	NT	NT		NT		NT		NT		NT	
1-Docosene	µg/l	NT	NT	NT		NT		NT		NT		NT	
1-Dotriacontanol	µg/l	NT	NT	NT		NT		NT		NT		NT	
1-Octadecene	µg/l	NT	NT	NT		NT		NT		NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT	NT	NT		NT		**8.4**	**/N**	NT		NT	
2,3-Dichloropyridine	µg/l	NT	NT	NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIPH-6**	**RIPH-7**	**RIMW-1**		**RIMW-1**		**RIMW-2**		**RIMW-2**		**RIMW-5**	
	Sample Date:	**05/24/07**	**06/04/07**	**01/19/05**		**03/31/05**		**01/20/05**		**03/25/05**		**01/20/05**	
	Sample Depth (feet):												
	Sample Number:	**32090**	**32091**	**31474**		**31566**		**31492**		**31533**		**31484**	
	Lab Batch:	**0706218**	**0706435**	**0500633**		**0503210**		**0500677**		**0503033**		**0500677**	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
2,4-Dichlorophenol	µg/l	ND(6.2)	NT	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(1.8)	/UD	ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT	NT	NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT	NT	NT		NT		NT		NT		NT	
2,6-Dichloropyridine	µg/l	NT	NT	NT		NT		NT		NT		NT	
2-Chlorocyclohexanol	µg/l	NT	NT	NT		NT		NT		**12.**	**/NJD**	NT	
2-Fluoro-6-nitrophenol	µg/l	NT	NT	NT		NT		NT		NT		NT	
2-Methyl-Thiazole	µg/l	NT	NT	NT		NT		**13.**	**/N**	NT		NT	
4,4'-Butylidenebis Phenol Compound	µg/l	NT	NT	NT		NT		NT		NT		NT	
4,6-Dehydroadamantanone	µg/l	NT	NT	NT		NT		NT		**40.**	**/NJD**	NT	
5-Octadecene, (E)-	µg/l	NT	NT	NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT	NT	NT		NT		**42.**	**/N**	NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	ND(12.)	NT	ND(5.0)	/U	**5.7**	**/B**	ND(5.0)	/U	**20.**	**/DB**	**3.1**	**/J**
cis-2-Bromocyclohexanol	µg/l	NT	NT	NT		NT		NT		NT		NT	
Cyclohexane, 1,1-dichloro-	µg/l	NT	NT	NT		NT		NT		NT		NT	
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT	NT	NT		NT		NT		NT		NT	
Cyclohexanone	µg/l	NT	NT	NT		NT		NT		NT		NT	
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT	NT	NT		NT		NT		NT		NT	
Cyclotetracosane	µg/l	NT	NT	NT		NT		NT		NT		NT	
Dichloroprop	µg/l	NT	NT	NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	ND(6.2)	NT	**0.60**	**/J**	ND(2.0)	/U	ND(2.0)	/U	ND(1.8)	/UD	**0.99**	**/J**
Diisopropyl sulfide	µg/l	NT	NT	NT		NT		**13.**	**/N**	NT		NT	
Di-n-butyl phthalate	µg/l	ND(6.2)	NT	ND(2.0)	/U	ND(2.0)	/U	ND(2.0)	/U	ND(1.8)	/UD	ND(2.0)	/U
Glycocyanidine	µg/l	NT	NT	NT		NT		NT		NT		NT	
n-Hexadecanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
n-Octadecyl ester Triflouroace	µg/l	NT	NT	NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
Octadecanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
Octanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
Oleic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT	NT	NT		NT		**28.**	**/N**	NT		NT	
Tetradecanoic acid	µg/l	NT	NT	NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT	NT	NT		NT		NT		**170.**	**/NJD**	NT	
SW8270C-SIM													
1,4-Dichlorobenzene	µg/l	NT	NT	NT		NT		NT		NT		NT	
Acenaphthylene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	**1.0**		**0.091**	**/J**	**0.0089**	**/J**
Benzo(a)anthracene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	**0.01**	**/J**	**0.0099**	**/J**	ND(0.10)	/U
Benzo(a)pyrene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	ND(0.019)	U/J	ND(0.10)	/U	ND(0.012)	U/J
Benzo(ghi)perylene	µg/l	NT	NT	ND(0.011)	U*/J	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	ND(6.2)	NT	ND(0.10)	UJ*/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIPH-6**	**RIPH-7**	**RIMW-1**		**RIMW-1**		**RIMW-2**		**RIMW-2**		**RIMW-5**	
	Sample Date:	**05/24/07**	**06/04/07**	**01/19/05**		**03/31/05**		**01/20/05**		**03/25/05**		**01/20/05**	
	Sample Depth (feet):												
	Sample Number:	**32090**	**32091**	**31474**		**31566**		**31492**		**31533**		**31484**	
	Lab Batch:	**0706218**	**0706435**	**0500633**		**0503210**		**0500677**		**0503033**		**0500677**	
Test Method/Analyte Name	Units			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	µg/l	NT	NT	**0.057**	**/J**	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Chrysene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	NT	NT	ND(0.014)	U*/J	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Fluoranthene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	**0.013**	**/J**	ND(0.10)	/U	ND(0.10)	/U
Fluorene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	**0.14**		**0.12**		**0.016**	**/J**
Indeno(1,2,3-cd)pyrene	µg/l	NT	NT	ND(0.023)	U*/J	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
Naphthalene	µg/l	NT	NT	**0.014**	**/J**	ND(0.10)	/U	**0.19**		**0.053**	**/J**	**0.015**	**/J**
N-Nitrosodiethylamine	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
N-Nitrosodimethylamine	µg/l	NT	NT	ND(0.02)	/U	ND(0.02)	/U	**0.081**		**0.023**		NT	
N-Nitrosodinpropylamine	µg/l	NT	NT	ND(0.10)	/U	**0.046**	**/J**	ND(0.10)	/U	**0.44**		ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	**0.26**		**0.24**		ND(0.10)	/U
Pentachloronitrobenzene	µg/l	NT	NT	NT		NT		NT		NT		NT	
Pyrene	µg/l	NT	NT	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U	ND(0.10)	/U
SW8290													
1,2,3,4,6,7,8-HpCDF	pg/l	NT	NT	ND(1.32)		ND(0.282)	/U	**12.3**	**/J**	ND(1.14)	/U	NT	
Hepta-CDFs (total)	pg/l	NT	NT	ND(1.56)		NT		**12.3**	**/J**	NT		NT	
OCDD	pg/l	NT	NT	ND(5.07)		ND(1.78)	/U	ND(5.83)		**15.3**	**/J**	NT	
OCDF	pg/l	NT	NT	ND(3.96)		ND(0.643)	/U	**22.7**	**/J**	ND(2.12)	/U	NT	
SW9012													
Cyanide (Free)	mg/l	NT	NT	ND(0.02)	/U	ND(0.02)	/U	**0.0075**	**/J**	**0.0075**	**/J**	NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:		RIMW-5		RIMW-5		RIMW-5		RIPZ-37		RIPZ-37		SW-29		SW-29	
	Sample Date:		04/07/05		04/13/05		05/12/05		10/20/06		10/24/06		10/15/04		03/30/05	
	Sample Depth (feet):															
	Sample Number:		31611		31655		31678		31949		31966		31351		31563	
	Lab Batch:		0503484		0503689		0504836		0611037		0611138		0410883		0503174	
Test Method/Analyte Name		Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1																
	pH	ph	NT		NT		7.43		NT		6.5		7.3		7.05	
E160.1																
	Total Dissolved Solids (TDS)	mg/l	NT		NT		3,400.	/D	NT		9,500.		12,000.	/D	8,000.	/D
E200.8																
	Antimony-D	µg/l	NT		ND(10.)	/UD	NT		NT		0.14	/J	ND(2.0)	/U	0.37	/J
	Antimony-T	µg/l	NT		NT		0.67	/J	NT		ND(2.0)		ND(10.)	/UD	ND(2.0)	/U
	Arsenic-D	µg/l	NT		8.1	/JD	NT		NT		71.		9.8		10.	
	Arsenic-T	µg/l	NT		NT		3.6		NT		21.		ND(10.)	/UD	7.6	
	Beryllium-D	µg/l	NT		ND(5.0)	/UD	NT		NT		ND(1.0)		ND(1.0)	UJ/U	0.049	/J
	Beryllium-T	µg/l	NT		NT		0.033	/J	NT		0.043	/J	ND(5.0)	/UD	0.029	/J
	Cadmium-D	µg/l	NT		ND(5.0)	/UD	NT		NT		0.085	/J	1.1	/B	0.56	/JB
	Cadmium-T	µg/l	NT		NT		ND(1.0)	/U	NT		ND(1.0)		0.38	/JD	1.3	
	Lead-D	µg/l	NT		ND(5.0)	/UD	NT		NT		0.14	/J	0.078	/J	0.037	/J
	Lead-T	µg/l	NT		NT		0.25	/J	NT		0.63	/J	0.92	/JD	0.86	/J
	Selenium-D	µg/l	NT		26.	/D	NT		NT		260.		69.	J+	110.	
	Selenium-T	µg/l	NT		NT		3.9		NT		39.		33.	/D	120.	
	Silver-D	µg/l	NT		ND(5.0)	/UD	NT		NT		ND(1.0)		ND(1.0)	/U	ND(1.0)	/U
	Silver-T	µg/l	NT		NT		ND(1.0)	/U	NT		ND(1.0)		ND(5.0)	/UD	0.12	/J
	Thallium-D	µg/l	NT		ND(5.0)	/UD	NT		NT		ND(1.0)		ND(1.0)	/U	ND(1.0)	/U
	Thallium-T	µg/l	NT		NT		ND(1.0)	/U	NT		ND(1.0)		ND(5.0)	/UD	ND(1.0)	/U
	Tin-T	µg/l	NT		NT		0.46	/J	NT		ND(1.0)		ND(5.0)	/UD	ND(1.0)	/U
	Zinc-D	µg/l	NT		100.	/D	NT		NT		29.		170.		59.	
	Zinc-T	µg/l	NT		NT		5.7		NT		26.		25.	/D	22.	
E300.0																
	Bromide	mg/l	NT		NT		2.1	/D	NT		63.		11.	/D	7.7	/D
	Chloride	mg/l	NT		NT		690.	/D	NT		3,900.		1,400.	/D	1,000.	/D
	Fluoride	mg/l	NT		NT		ND(0.25)	/UD	NT		ND(1.0)		0.82	/JD	0.94	/JD
	Nitrate (as NO3)	mg/l	NT		NT		69.	/D	NT		12.		4.9	/JD	24.	/D
	Nitrate as N	mg/l	NT		NT		16.	/D	NT		2.8		1.1	/JD	5.4	/D
	Sulfate	mg/l	NT		NT		890.	/D	NT		2,700.		5,900.	/D	5,100.	/D
E310.1																
	Bicarbonate Alkalinity as CaCO3	mg/l	NT		NT		640.	/D	NT		120.		640.	/D	300.	/D
E314.0																
	Perchlorate	µg/l	NT		NT		NT		NT		NT		NT		NT	
E504.1																
	1,2 Dibromoethane (EDB)	µg/l	ND(0.01)	/U	NT		NT		ND(0.01)		NT		ND(0.01)	/U	ND(0.01)	/U
	1,2,3 Trichloropropane	µg/l	ND(0.05)	/U	NT		NT		ND(0.05)		NT		ND(0.05)	/U	ND(0.05)	/U
	1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)	/U	NT		NT		ND(0.01)		NT		ND(0.01)	/U	ND(0.01)	/U
EPA8081																

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RIMW-5		RIMW-5		RIMW-5		RIPZ-37		RIPZ-37		SW-29		SW-29	
	Sample Date:	04/07/05		04/13/05		05/12/05		10/20/06		10/24/06		10/15/04		03/30/05	
	Sample Depth (feet):														
	Sample Number:	31611		31655		31678		31949		31966		31351		31563	
	Lab Batch:	0503484		0503689		0504836		0611037		0611138		0410883		0503174	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Beta-BHC	µg/l	NT		NT		ND(0.005)	/U	ND(0.0056)		NT		ND(0.005)	/U	ND(0.005)	/U
EPA8141															
Phorate	µg/l	NT		NT		ND(0.20)	/U	NT		ND(0.27)		NT		NT	
EPA8151															
2,4,5-TP (Silvex)	µg/l	NT		ND(0.07)	/U	NT		ND(0.085)		NT		ND(0.07)	/U	ND(0.07)	/U
2,4-D	µg/l	NT		1.3		NT		ND(0.48)		NT		ND(0.40)	/U	ND(0.40)	/U
Dicamba	µg/l	NT		ND(0.08)	/U	NT		ND(0.097)		NT		ND(0.08)	/U	ND(0.08)	/U
Dichloroprop	µg/l	NT		ND(0.50)	/U	NT		ND(0.61)		NT		ND(0.50)	/U	ND(0.50)	/U
MCPP	µg/l	NT		ND(10.)	/U	NT		ND(12.)		NT		ND(10.)	/U	ND(10.)	/U
Picloram	µg/l	NT		ND(0.05)	/U	NT		ND(0.061)		NT		ND(0.05)	/U	ND(0.05)	/U
EPA8330															
HMX	µg/l	NT		NT		NT		NT		NT		NT		NT	
pCBSA-LC-MS/MS															
p-CBSA	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW6010															
Aluminum-T	µg/l	NT		NT		370.		NT		2,500.		ND(250.)	/UD	ND(250.)	/UD
Barium-D	µg/l	NT		150.	/D	NT		NT		120.		99.	/D	110.	/D
Barium-T	µg/l	NT		NT		3.6	/J	NT		150.		18.	/JD	17.	/JD
Calcium-D	mg/l	NT		110.	/D	NT		NT		800.		530.	/D	100.	
Calcium-T	mg/l	NT		NT		23.		NT		730.		470.	/D	530.	/DB
Chromium-D	µg/l	NT		ND(50.)	/UD	NT		NT		ND(50.)		29.	/JDB	ND(50.)	/UD
Chromium-T	µg/l	NT		NT		ND(10.)	/U	NT		ND(50.)		29.	/JD	ND(50.)	/UD
Cobalt-D	µg/l	NT		ND(250.)	/UD	NT		NT		46.	/J	ND(250.)	/UD	ND(250.)	/UD
Cobalt-T	µg/l	NT		NT		ND(50.)	/U	NT		46.	/J	ND(250.)	/UD	ND(250.)	/UD
Copper-D	µg/l	NT		ND(50.)	/UD	NT		NT		ND(50.)		4.8	/JD	10.	/JD
Copper-T	µg/l	NT		NT		2.6	/J	NT		ND(50.)		ND(50.)	/UD	10.	/JD
Iron-D	µg/l	NT		ND(250.)	/UD	NT		NT		26,000.		190.	/JDB	290.	/D
Iron-T	µg/l	NT		NT		140.		NT		29,000.		680.	/D	590.	/D
Magnesium-D	mg/l	NT		130.	/D	NT		NT		530.		1,200.	/D	210.	
Magnesium-T	mg/l	NT		NT		26.		NT		480.		1,100.	/D	1,000.	/D
Manganese-D	µg/l	NT		100.	/D	NT		NT		9,500.		670.	/D	620.	/D
Manganese-T	µg/l	NT		NT		24.		NT		9,700.		590.	/D	510.	/D
Molybdenum-D	µg/l	NT		30.	/JD	NT		NT		37.	/J	58.	/JD	44.	/JD
Molybdenum-T	µg/l	NT		NT		7.4	/J	NT		35.	/J	62.	/JD	56.	/JD
Nickel-D	µg/l	NT		14.	/JD	NT		NT		200.		63.	/D	85.	/D
Nickel-T	µg/l	NT		NT		ND(10.)	/U	NT		200.		61.	/D	93.	/D
Potassium-D	mg/l	NT		32.	/D	NT		NT		11.		50.	/D	10.	
Potassium-T	mg/l	NT		NT		7.3		NT		13.		45.	/D	51.	/D
Sodium-D	mg/l	NT		940.	/D	NT		NT		1,700.		990.	/D	190.	
Sodium-T	mg/l	NT		NT		190.		NT		1,500.		890.	/D	920.	/D

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-5**		**RIMW-5**		**RIMW-5**		**RIPZ-37**		**RIPZ-37**		**SW-29**		**SW-29**	
	Sample Date:	**04/07/05**		**04/13/05**		**05/12/05**		**10/20/06**		**10/24/06**		**10/15/04**		**03/30/05**	
	Sample Depth (feet):														
	Sample Number:	**31611**		**31655**		**31678**		**31949**		**31966**		**31351**		**31563**	
	Lab Batch:	**0503484**		**0503689**		**0504836**		**0611037**		**0611138**		**0410883**		**0503174**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vanadium-D	µg/l	NT		ND(50.)	/UD	NT		NT		**25.**	**/J**	**35.**	**/JD**	ND(50.)	/UD
Vanadium-T	µg/l	NT		NT		**13.**		NT		**54.**		**48.**	**/JD**	**42.**	**/JD**
SW7470															
Mercury-D	µg/l	NT		ND(0.20)	/U	NT		NT		ND(0.20)		**0.072**	**/J**	**0.048**	**/J**
Mercury-T	µg/l	NT		NT		NT		NT		**0.055**	**/J**	ND(0.20)	/U	**0.12**	**/J**
SW8015B-DI															
1-Propanol	µg/l	ND(500.)	/U	NT		NT		ND(500.)		ND(560.)		NT		NT	
1,4-Dioxane	µg/l	ND(500.)	/U	NT		NT		ND(500.)		ND(560.)		NT		NT	
Acetone	µg/l	ND(500.)	/U	NT		NT		ND(500.)		ND(560.)		NT		NT	
Crotonaldehyde	µg/l	ND(500.)	/U	NT		NT		ND(500.)		ND(560.)		NT		NT	
Ethylene glycol	µg/l	**7,400.**	**/B**	NT		NT		ND(5,000.)		ND(5,600.)		NT		NT	
Methanol	µg/l	**440.**	**/J**	NT		NT		ND(500.)		ND(560.)		NT		NT	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		NT		**1,700.**		**120.**	**/J**	ND(200.)	/U
TPH-Motor Oil	µg/l	NT		NT		NT		NT		ND(500.)		**120.**	**/J**	ND(500.)	/U
SW8260															
1,1 Dichloroethane	µg/l	ND(0.50)	/U	NT		NT		**2.8**		NT		ND(0.50)	/U	ND(0.50)	/U
1,1 Dichloroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
1,1,1 Trichloroethane	µg/l	ND(0.50)	/U	NT		NT		**0.38**	**/J**	NT		ND(0.50)	/U	ND(0.50)	/U
1,1,2 Trichloroethane	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
1,2 Dichloroethane	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
1,2 Dichloroethene	µg/l	ND(1.0)	/U	NT		NT		ND(1.0)		NT		ND(1.0)	/U	ND(1.0)	/U
1,2 Dichloropropane	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2-Dichlorobenzene	µg/l	ND(0.50)	/U	NT		NT		NT		NT		ND(0.50)	/U	ND(0.50)	/U
1,3 Dichlorobenzene	µg/l	ND(0.50)	/U	NT		NT		NT		NT		ND(0.50)	/U	ND(0.50)	/U
1,4 Dichlorobenzene	µg/l	ND(0.50)	/U	NT		NT		NT		NT		ND(0.50)	/U	ND(0.50)	/U
2-(Ethylthio)propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Benzene	µg/l	ND(0.50)	/U	NT		NT		**0.61**		NT		ND(0.50)	/U	ND(0.50)	/U
Carbon Disulfide	µg/l	ND(1.0)	/U	NT		NT		ND(1.0)		NT		ND(1.0)	/U	ND(1.0)	/U
Carbon Tetrachloride	µg/l	ND(0.50)	/U	NT		NT		**0.17**	**/J**	NT		ND(0.50)	/U	ND(0.50)	/U
Chlorobenzene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Chloroethane	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Chlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Chloroform	µg/l	ND(0.50)	/U	NT		NT		**5.0**		NT		ND(0.50)	/U	ND(0.50)	/U
Chlorotrifluoroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Cis 1,2 Dichloroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Dichlorofluoromethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diisopropyl ether	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-5**		**RIMW-5**		**RIMW-5**		**RIPZ-37**		**RIPZ-37**		**SW-29**		**SW-29**	
	Sample Date:	**04/07/05**		**04/13/05**		**05/12/05**		**10/20/06**		**10/24/06**		**10/15/04**		**03/30/05**	
	Sample Depth (feet):														
	Sample Number:	**31611**		**31655**		**31678**		**31949**		**31966**		**31351**		**31563**	
	Lab Batch:	**0503484**		**0503689**		**0504836**		**0611037**		**0611138**		**0410883**		**0503174**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethylbenzene	µg/l	ND(0.50)	/U	NT		NT		**0.18**	**/J**	NT		ND(0.50)	/U	ND(0.50)	/U
Ethyl ether	µg/l	NT		NT		NT		NT		NT		NT		NT	
Freon 11	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Freon 112	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Freon 113	µg/l	**0.22**	**/J**	NT		NT		ND(0.50)		NT		ND(0.50)	/U	**0.92**	
Freon 12	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Isopropylbenzene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Methylcyclopentane	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Methylene Chloride	µg/l	ND(1.0)	/U	NT		NT		**14.**		NT		ND(1.0)	/U	ND(1.0)	/U
Methyl-tert-butyl ether	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
o-Xylene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Propane, 2-(ethylthio)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrahydrofuran	µg/l	ND(20.)	/U	NT		NT		**23.**		NT		ND(20.)	/U	ND(20.)	/U
Toluene	µg/l	ND(0.50)	/U	NT		NT		**0.29**	**/J**	NT		ND(0.50)	/U	ND(0.50)	/U
trans 1,2 Dichloroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Trichloroethene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Trifluoromethylbenzene	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
Unknown compound @ 15_18 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown compound @ 16_99 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT		NT		NT		NT		NT		NT		NT	
Unknown Compound	µg/l	NT		NT		NT		NT		NT		NT		NT	
Vinyl Chloride	µg/l	ND(0.50)	/U	NT		NT		ND(0.50)		NT		ND(0.50)	/U	ND(0.50)	/U
SW8270															
(E)-9-Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		**0.0084**	**/NJ**
1,1-dioxide-tetrahydro-Thiophe	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	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		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		NT		ND(10.)		NT		ND(2.4)	/UD	ND(2.0)	/U
17-Pentatriacontene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Docosene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Dotriacontanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Octadecene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-5**		**RIMW-5**		**RIMW-5**		**RIPZ-37**		**RIPZ-37**		**SW-29**		**SW-29**	
	Sample Date:	**04/07/05**		**04/13/05**		**05/12/05**		**10/20/06**		**10/24/06**		**10/15/04**		**03/30/05**	
	Sample Depth (feet):														
	Sample Number:	**31611**		**31655**		**31678**		**31949**		**31966**		**31351**		**31563**	
	Lab Batch:	**0503484**		**0503689**		**0504836**		**0611037**		**0611138**		**0410883**		**0503174**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
2,4-Dichlorophenol	µg/l	ND(2.0)	/U	NT		NT		ND(10.)		NT		ND(2.4)	/UD	ND(2.0)	/U
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,6-Dichloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Fluoro-6-nitrophenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methyl-Thiazole	µg/l	NT		NT		NT		NT		NT		NT		NT	
4,4'-Butylidenebis Phenol Compound	µg/l	**0.01**	**/NJ**	NT		NT		NT		NT		NT		**0.007**	**/NJ**
4,6-Dehydroadamantanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
5-Octadecene, (E)-	µg/l	NT		NT		NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT		NT		NT		NT		NT		NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	**7.3**	**/B**	NT		NT		ND(20.)		NT		ND(6.1)	/UD	**4.2**	**/JB**
cis-2-Bromocyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexane, 1,1-dichloro-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclotetracosane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	ND(2.0)	/U	NT		NT		ND(10.)		NT		**0.60**	**/JD**	ND(2.0)	/U
Diisopropyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Di-n-butyl phthalate	µg/l	ND(2.0)	/U	NT		NT		ND(10.)		NT		ND(2.4)	/UD	ND(2.0)	/U
Glycocyanidine	µg/l	NT		NT		NT		NT		NT		NT		NT	
n-Hexadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		**0.0044**	**/NJ**
n-Octadecyl ester Triflouroace	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Octadecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Octanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Oleic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetradecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
1,4-Dichlorobenzene	µg/l	NT		NT		NT		**0.02**	**/J**	NT		NT		NT	
Acenaphthylene	µg/l	NT		NT		NT		**0.068**	**/J**	NT		NT		ND(0.10)	/U
Benzo(a)anthracene	µg/l	NT		NT		NT		**0.041**	**/J**	NT		NT		**0.0098**	**/J**
Benzo(a)pyrene	µg/l	NT		NT		NT		**0.029**	**/J**	NT		NT		ND(0.10)	/U
Benzo(ghi)perylene	µg/l	NT		NT		NT		ND(0.10)		NT		NT		ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	NT		NT		NT		**0.0072**	**/J**	NT		NT		ND(0.10)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RIMW-5**		**RIMW-5**		**RIMW-5**		**RIPZ-37**		**RIPZ-37**		**SW-29**		**SW-29**	
	Sample Date:	**04/07/05**		**04/13/05**		**05/12/05**		**10/20/06**		**10/24/06**		**10/15/04**		**03/30/05**	
	Sample Depth (feet):														
	Sample Number:	**31611**		**31655**		**31678**		**31949**		**31966**		**31351**		**31563**	
	Lab Batch:	**0503484**		**0503689**		**0504836**		**0611037**		**0611138**		**0410883**		**0503174**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	µg/l	NT		NT		NT		**0.023**	**/J**	NT		NT		ND(0.10)	/U
Chrysene	µg/l	NT		NT		NT		**0.034**	**/J**	NT		NT		ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	NT		NT		NT		**0.026**	**/J**	NT		NT		ND(0.10)	/U
Fluoranthene	µg/l	NT		NT		NT		ND(0.10)		NT		NT		ND(0.10)	/U
Fluorene	µg/l	NT		NT		NT		ND(0.10)		NT		NT		ND(0.10)	/U
Indeno(1,2,3-cd)pyrene	µg/l	NT		NT		NT		ND(0.10)		NT		NT		ND(0.10)	/U
Naphthalene	µg/l	NT		NT		NT		**2.0**		NT		NT		ND(0.10)	/U
N-Nitrosodiethylamine	µg/l	NT		NT		NT		**0.052**	**/J**	NT		NT		ND(0.10)	/U
N-Nitrosodimethylamine	µg/l	NT		NT		NT		NT		NT		ND(0.02)	/U	ND(0.02)	/U
N-Nitrosodinpropylamine	µg/l	NT		NT		NT		**0.43**		NT		NT		**0.15**	**/B**
n-Nitrosopyrrolidine	µg/l	NT		NT		NT		**0.33**		NT		NT		ND(0.10)	/U
Pentachloronitrobenzene	µg/l	NT		NT		NT		**0.099**	**/J**	NT		NT		NT	
Pyrene	µg/l	NT		NT		NT		**0.032**	**/J**	NT		NT		ND(0.10)	/U
SW8290															
1,2,3,4,6,7,8-HpCDF	pg/l	NT		NT		ND(0.968)	/U	NT		NT		ND(2.38)		ND(1.06)	/U
Hepta-CDFs (total)	pg/l	NT		NT		NT		NT		NT		ND(3.51)		NT	
OCDD	pg/l	NT		NT		**11.5**	**/J**	NT		NT		**33.2**	**/J**	**6.12**	**/J**
OCDF	pg/l	NT		NT		ND(1.76)	/U	NT		NT		ND(9.28)		ND(1.96)	/U
SW9012															
Cyanide (Free)	mg/l	NT		NT		ND(0.02)	/U	NT		ND(0.02)		ND(0.012)	/U	ND(0.02)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E150.1									
pH	ph	NT		NT		NT		**6.82**	
E160.1									
Total Dissolved Solids (TDS)	mg/l	NT		NT		NT		**6,600.**	**/D**
E200.8									
Antimony-D	µg/l	NT		NT		**0.85**	**/J**	NT	
Antimony-T	µg/l	NT		NT		NT		**0.39**	**/J**
Arsenic-D	µg/l	NT		NT		**2.6**		NT	
Arsenic-T	µg/l	NT		NT		NT		**1.5**	**/J**
Beryllium-D	µg/l	NT		NT		**0.023**	**/J**	NT	
Beryllium-T	µg/l	NT		NT		NT		ND(1.0)	/U
Cadmium-D	µg/l	NT		NT		**0.067**	**/J**	NT	
Cadmium-T	µg/l	NT		NT		NT		**0.25**	**/J**
Lead-D	µg/l	NT		NT		**0.079**	**/J**	NT	
Lead-T	µg/l	NT		NT		NT		**0.13**	**/J**
Selenium-D	µg/l	NT		NT		**11.**		NT	
Selenium-T	µg/l	NT		NT		NT		**4.8**	
Silver-D	µg/l	NT		NT		**0.085**	**/J**	NT	
Silver-T	µg/l	NT		NT		NT		**0.074**	**/J**
Thallium-D	µg/l	NT		NT		**0.23**	**/J**	NT	
Thallium-T	µg/l	NT		NT		NT		**0.22**	**/J**
Tin-T	µg/l	NT		NT		NT		**0.43**	**/J**
Zinc-D	µg/l	NT		NT		**120.**		NT	
Zinc-T	µg/l	NT		NT		NT		**41.**	
E300.0									
Bromide	mg/l	NT		NT		NT		**3.4**	**/D**
Chloride	mg/l	NT		NT		NT		**760.**	**/D**
Fluoride	mg/l	NT		NT		NT		ND(0.50)	/UD
Nitrate (as NO3)	mg/l	NT		NT		NT		ND(4.4)	/UD
Nitrate as N	mg/l	NT		NT		NT		ND(1.0)	/UD
Sulfate	mg/l	NT		NT		NT		**3,600.**	**/D**
E310.1									
Bicarbonate Alkalinity as CaCO3	mg/l	NT		NT		NT		**790.**	**/D**
E314.0									
Perchlorate	µg/l	NT		NT		NT		NT	
E504.1									
1,2 Dibromoethane (EDB)	µg/l	ND(0.01)	/U	NT		ND(0.01)	/U	NT	
1,2,3 Trichloropropane	µg/l	ND(0.05)	/U	NT		ND(0.05)	/U	NT	
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)	/U	NT		ND(0.01)	/U	NT	
EPA8081									

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Beta-BHC	µg/l	NT		NT		ND(0.005)	/U	NT	
EPA8141									
Phorate	µg/l	NT		NT		NT		NT	
EPA8151									
2,4,5-TP (Silvex)	µg/l	NT		NT		ND(0.07)	/U	ND(0.07)	/U
2,4-D	µg/l	NT		NT		ND(0.40)	/U	ND(0.40)	/U
Dicamba	µg/l	NT		NT		ND(0.08)	/U	ND(0.08)	/U
Dichloroprop	µg/l	NT		NT		ND(0.50)	/U	ND(0.50)	/U
MCPP	µg/l	NT		NT		ND(10.)	/U	ND(10.)	/U
Picloram	µg/l	NT		NT		ND(0.05)	/U	ND(0.05)	/U
EPA8330									
HMX	µg/l	NT		NT		NT		NT	
pCBSA-LC-MS/MS									
p-CBSA	µg/l	NT		NT		NT		NT	
SW6010									
Aluminum-T	µg/l	NT		NT		NT		ND(250.)	/UD
Barium-D	µg/l	NT		NT		**130.**	**/D**	NT	
Barium-T	µg/l	NT		NT		NT		**19.**	**/JD**
Calcium-D	mg/l	NT		NT		**610.**	**/D**	**610.**	**/D**
Calcium-T	mg/l	NT		NT		NT		**560.**	**/DB**
Chromium-D	µg/l	NT		NT		ND(50.)	/UD	NT	
Chromium-T	µg/l	NT		NT		NT		ND(50.)	/UD
Cobalt-D	µg/l	NT		NT		ND(250.)	/UD	NT	
Cobalt-T	µg/l	NT		NT		NT		ND(250.)	/UD
Copper-D	µg/l	NT		NT		**9.2**	**/JD**	NT	
Copper-T	µg/l	NT		NT		NT		**14.**	**/JDB**
Iron-D	µg/l	NT		NT		ND(250.)	/UD	NT	
Iron-T	µg/l	NT		NT		NT		**230.**	**/JD**
Magnesium-D	mg/l	NT		NT		**520.**	**/D**	**490.**	**/D**
Magnesium-T	mg/l	NT		NT		NT		**450.**	**/DB**
Manganese-D	µg/l	NT		NT		**280.**	**/D**	NT	
Manganese-T	µg/l	NT		NT		NT		**270.**	**/D**
Molybdenum-D	µg/l	NT		NT		**51.**	**/JD**	NT	
Molybdenum-T	µg/l	NT		NT		NT		**49.**	**/JD**
Nickel-D	µg/l	NT		NT		**25.**	**/JD**	NT	
Nickel-T	µg/l	NT		NT		NT		**15.**	**/JD**
Potassium-D	mg/l	NT		NT		**39.**	**/D**	**34.**	**/D**
Potassium-T	mg/l	NT		NT		NT		**33.**	**/D**
Sodium-D	mg/l	NT		NT		**900.**	**/DB**	**850.**	**/D**
Sodium-T	mg/l	NT		NT		NT		**790.**	**/D**

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vanadium-D	µg/l	NT		NT		ND(50.)	/UD	NT	
Vanadium-T	µg/l	NT		NT		NT		**14.**	**/JD**
SW7470									
Mercury-D	µg/l	NT		NT		**0.11**	**/JD**	NT	
Mercury-T	µg/l	NT		NT		NT		ND(0.20)	/U
SW8015B-DI									
1-Propanol	µg/l	NT		NT		NT		NT	
1,4-Dioxane	µg/l	NT		NT		NT		NT	
Acetone	µg/l	NT		NT		NT		NT	
Crotonaldehyde	µg/l	NT		NT		NT		NT	
Ethylene glycol	µg/l	NT		NT		NT		NT	
Methanol	µg/l	NT		NT		NT		NT	
SW8015M									
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		NT	
TPH-Motor Oil	µg/l	NT		NT		NT		NT	
SW8260									
1,1 Dichloroethane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,1 Dichloroethene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,1,1 Trichloroethane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,1,2 Trichloroethane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,2 Dichloroethane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,2 Dichloroethene	µg/l	ND(1.0)	/U	NT		ND(1.0)	/U	NT	
1,2 Dichloropropane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	**60.**	**/N**	NT		**57.**	**/NJ**	NT	
1,2-Dichlorobenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,3 Dichlorobenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
1,4 Dichlorobenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
2-(Ethylthio)propane	µg/l	NT		NT		NT		NT	
2-(ethylthio)-propane	µg/l	NT		NT		NT		NT	
Benzene	µg/l	ND(0.50)	/U	NT		**0.70**		NT	
Carbon Disulfide	µg/l	ND(1.0)	/U	NT		ND(1.0)	/U	NT	
Carbon Tetrachloride	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Chlorobenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Chloroethane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Chlorofluoromethane	µg/l	NT		NT		NT		NT	
Chloroform	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Chlorotrifluoroethene	µg/l	**24.**		NT		**18.**		NT	
Cis 1,2 Dichloroethene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Dichlorofluoromethane	µg/l	**7.8**	**/N**	NT		**6.8**	**/NJ**	NT	
Diisopropyl ether	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl sulfide	µg/l	NT		NT		NT		NT	
Ethylbenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Ethyl ether	µg/l	NT		NT		NT		NT	
Freon 11	µg/l	**41.**		NT		**11.**		NT	
Freon 112	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Freon 113	µg/l	**320.**	**/D**	NT		**160.**	**/D**	NT	
Freon 12	µg/l	**6.1**		NT		**3.0**		NT	
Isopropylbenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Methylcyclopentane	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Methylene Chloride	µg/l	ND(1.0)	/U	NT		ND(1.0)	/U	NT	
Methyl-tert-butyl ether	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
o-Xylene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Propane, 2-(ethylthio)-	µg/l	NT		NT		NT		NT	
sec-Butylisopropylsulfide	µg/l	NT		NT		NT		NT	
Tetrachloroethene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Tetrahydro-2,2,5,5-tetramethylfuran	µg/l	NT		NT		NT		NT	
Tetrahydrofuran	µg/l	ND(20.)	/U	NT		ND(20.)	/U	NT	
Toluene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
trans 1,2 Dichloroethene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Trichloroethene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Trifluoromethylbenzene	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
Unknown compound @ 15_18 R_T_	µg/l	NT		NT		NT		NT	
Unknown compound @ 16_99 R_T_	µg/l	NT		NT		NT		NT	
Unknown Compound @ 5_49 R_T_	µg/l	NT		NT		NT		NT	
Unknown Compound	µg/l	NT		NT		NT		NT	
Vinyl Chloride	µg/l	ND(0.50)	/U	NT		ND(0.50)	/U	NT	
SW8270									
(E)-9-Octadecanoic acid	µg/l	NT		NT		NT		NT	
1,1-dioxide-tetrahydro-Thiophe	µg/l	NT		NT		NT		NT	
1,1-oxybis(2-Ethoxyethane)	µg/l	NT		NT		NT		NT	
1,1-oxybis_2-Methoxy_ethane	µg/l	NT		NT		NT		NT	
1,2,3-Trimethylbenzene	µg/l	NT		**6.6**	**/N**	NT		NT	
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	NT		ND(2.0)	/U	ND(2.0)	/U	NT	
17-Pentatriacontene	µg/l	NT		NT		**6.4**	**/NJ**	NT	
1-Docosene	µg/l	NT		**69.**	**/N**	**31.**	**/NJ**	NT	
1-Dotriacontanol	µg/l	NT		**71.**	**/N**	NT		NT	
1-Octadecene	µg/l	NT		NT		NT		NT	
2,2,5-Trimethyl Decane	µg/l	NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	NT		NT		NT		NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
2,4-Dichlorophenol	µg/l	NT		ND(2.0)	/U	ND(2.0)	/U	NT	
2,5,8,11,14-Pentaoxapentadecane	µg/l	NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		NT		NT	
2,6-Dichloropyridine	µg/l	NT		NT		NT		NT	
2-Chlorocyclohexanol	µg/l	NT		NT		NT		NT	
2-Fluoro-6-nitrophenol	µg/l	NT		NT		NT		NT	
2-Methyl-Thiazole	µg/l	NT		NT		NT		NT	
4,4'-Butylidenebis Phenol Compound	µg/l	NT		NT		NT		NT	
4,6-Dehydroadamantanone	µg/l	NT		NT		NT		NT	
5-Octadecene, (E)-	µg/l	NT		**220.**	**/N**	NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		NT	
7-Methyl-1,2,3,5,8,8a-hexahydr	µg/l	NT		NT		NT		NT	
bis(2-Ethylhexyl) phthalate	µg/l	NT		**48.**		**7.5**	**/B**	NT	
cis-2-Bromocyclohexanol	µg/l	NT		NT		NT		NT	
Cyclohexane, 1,1-dichloro-	µg/l	NT		NT		NT		NT	
Cyclohexane,1,2-dibromo-,trans-	µg/l	NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		NT		NT		NT	
Cyclohexene 3-(tert-butyl)Pero	µg/l	NT		NT		NT		NT	
Cyclotetracosane	µg/l	NT		**630.**	**/N**	NT		NT	
Dichloroprop	µg/l	NT		NT		NT		NT	
Diethyl phthalate	µg/l	NT		**1.9**	**/J**	ND(2.0)	/U	NT	
Diisopropyl sulfide	µg/l	NT		NT		NT		NT	
Di-n-butyl phthalate	µg/l	NT		ND(2.0)	/U	ND(2.0)	/U	NT	
Glycocyanidine	µg/l	NT		NT		NT		NT	
n-Hexadecanoic acid	µg/l	NT		**23.**	**/N**	NT		NT	
n-Octadecyl ester Triflouroace	µg/l	NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT	
Octadecanoic acid	µg/l	NT		**48.**	**/N**	NT		NT	
Octanoic acid	µg/l	NT		NT		NT		NT	
Oleic acid	µg/l	NT		NT		NT		NT	
Tetrachloroethene	µg/l	NT		NT		NT		NT	
Tetradecanoic acid	µg/l	NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		NT		NT		NT	
SW8270C-SIM									
1,4-Dichlorobenzene	µg/l	NT		NT		NT		NT	
Acenaphthylene	µg/l	NT		NT		ND(0.089)	/UD	NT	
Benzo(a)anthracene	µg/l	NT		NT		**0.0097**	**/JD**	NT	
Benzo(a)pyrene	µg/l	NT		NT		ND(0.089)	/UD	NT	
Benzo(ghi)perylene	µg/l	NT		NT		**0.013**	**/JD**	NT	
Benzo(k)fluoranthene	µg/l	NT		NT		**0.0066**	**/JD**	NT	

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**WP-3S**		**WP-3S**		**WP-3S**		**WP-3S**	
	Sample Date:	**10/15/04**		**11/09/04**		**03/25/05**		**04/13/05**	
	Sample Depth (feet):								
	Sample Number:	**31353**		**31455**		**31524**		**31653**	
	Lab Batch:	**0410883**		**0411922**		**0503033**		**0503689**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	µg/l	NT		NT		ND(0.089)	/UD	NT	
Chrysene	µg/l	NT		NT		ND(0.089)	/UD	NT	
Dibenzo(a,h)anthracene	µg/l	NT		NT		**0.014**	**/JD**	NT	
Fluoranthene	µg/l	NT		NT		ND(0.089)	/UD	NT	
Fluorene	µg/l	NT		NT		ND(0.089)	/UD	NT	
Indeno(1,2,3-cd)pyrene	µg/l	NT		NT		**0.014**	**/JD**	NT	
Naphthalene	µg/l	NT		NT		**0.029**	**/JD**	NT	
N-Nitrosodiethylamine	µg/l	NT		NT		ND(0.089)	/UD	NT	
N-Nitrosodimethylamine	µg/l	NT		NT		ND(0.02)	/U	NT	
N-Nitrosodinpropylamine	µg/l	NT		NT		**0.14**	**/D**	NT	
n-Nitrosopyrrolidine	µg/l	NT		NT		ND(0.089)	/UD	NT	
Pentachloronitrobenzene	µg/l	NT		NT		NT		NT	
Pyrene	µg/l	NT		NT		ND(0.089)	/UD	NT	
SW8290									
1,2,3,4,6,7,8-HpCDF	pg/l	NT		NT		NT		NT	
Hepta-CDFs (total)	pg/l	NT		NT		NT		NT	
OCDD	pg/l	NT		NT		NT		NT	
OCDF	pg/l	NT		NT		NT		NT	
SW9012									
Cyanide (Free)	mg/l	NT		NT		NT		ND(0.02)	/U

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

Summary of Analyte Qualifiers Used in this Report

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

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

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU

RI Expanded 14th and 15th RGMEW Events

Final Remedial Investigation Report

Casmalia Resources Superfund Site

Casmalia, California

Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
1,1 Dichloroethane	75-34-3	2.000	ug/l
1,1 Dichloroethene	75-35-4	6.000	ug/l
1,1,2 Trichloroethane	79-00-5	0.200	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-HpCDF	67562-39-4	0.45	pg/l
1,2,4 Trimethylbenzene	95-63-6	12.000	ug/l
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.002	ug/l
1,4-Dichlorobenzene	106-46-7	0.500	ug/l
Acenaphthylene	208-96-8	0.200	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
Beryllium-D	7440-41-7-D	4.000	ug/l
Beta-BHC	319-85-7	0.037	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
Chromium-T	7440-47-3	50.000	ug/l
Cis 1,2 Dichloroethene	156-59-2	6.000	ug/l
Crotonaldehyde	123-73-9	0.006	ug/l
Dibenzo(a,h)anthracene	53-70-3	0.009	ug/l
Freon 113	76-13-1	1,200.000	ug/l
Iron-D	7439-89-6-D	11,000.000	ug/l
Iron-T	7439-89-6	11,000.000	ug/l
Lead-T	7439-92-1	15.000	ug/l
Manganese-D	7439-96-5-D	50.000	ug/l
Manganese-T	7439-96-5	50.000	ug/l
Methylene Chloride	75-09-2	4.300	ug/l
Methyl-tert-butyl ether	1634-04-4	6.200	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-Nitrosodinpropylamine	621-64-7	0.010	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
Perchlorate	14797-73-0	3.600	ug/l
Selenium-D	7782-49-2-D	50.000	ug/l
Selenium-T	7782-49-2	50.000	ug/l

Table G-11a. Detected Compounds in the PSCT Evaluation Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
Tetrachloroethene	127-18-4	0.100	ug/l
Tetrahydrofuran	109-99-9	1.600	ug/l
trans 1,2 Dichloroethene	156-60-5	10.000	ug/l
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

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