Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	Gallery Well		Gallery Well		Gallery Well		RG-3B		RG-3B		RGPZ-5B		RGPZ-5B	
	Sample Date:	11/15/04		12/15/04		04/13/05		03/02/05		04/18/05		03/03/05		04/18/05	
	Sample Depth (feet):														
	Sample Number:	31471		19130		31649		31492		31670		31497		31673	
	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E504.1															
1,2 Dibromoethane (EDB)	µg/l	**250.**	**/D**	**370.**	**/D**	**250.**	**/D**	ND(0.10)	/UD	**0.19**	**/P**	**89.**	**/D**	**91.**	**/D**
1,2,3 Trichloropropane	µg/l	ND(1.8)	/UD	ND(180.)	/UD	ND(18.)	/UD	**6.3**	**/D**	ND(0.05)	/U	**64.**	**/D**	**55.**	**/DP**
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	**160.**	**/D**	ND(35.)	/UD	**130.**	**/DP**	**17.**	**/D**	**17.**	**/DP**	**65.**	**/D**	**43.**	**/D**
EPA8081															
Endosulfan II	µg/l	NT		**15.**		ND(0.50)	/UD	ND(0.50)	/UD	ND(0.05)	/UD	**27.**	**/D**	ND(0.50)	/UD
Hexachlorobenzene	µg/l	NT		ND(0.10)	/UD	ND(20.)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.2)	/UD	ND(2.0)	/UD
EPA8082															
Aroclor-1016	µg/l	ND(2.0)	/UD	ND(10.)	/UD	**3,000.**	**/D**	ND(2.0)	/UD	ND(0.20)	/U	ND(5.0)	/UD	ND(2.3)	/UD
PCBs	µg/l	ND(2.0)	/UD	ND(10.)	/UD	**3,000.**	**/D**	ND(2.0)	/UD	ND(0.20)	/U	ND(5.0)	/UD	ND(2.3)	/UD
EPA8141															
Chlorpyrifos	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	**0.90**	**/D**	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
Dimethoate	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	**0.57**		**0.65**		ND(2.0)	/UD	ND(0.20)	/U
Disulfoton	µg/l	ND(5.0)	/UD	ND(2.5)	/UD	**2.6**	**/DP**	**0.39**	**/JP**	ND(0.50)	/U	ND(5.0)	/UD	ND(0.50)	/U
Famphur	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	**2.7**	
Malathion	µg/l	**6.7**	**J/D**	**48.**		**16.**	**/DP**	ND(0.20)	/U	ND(0.20)	/U	**41.**	**/D**	ND(0.20)	/U
Methyl parathion	µg/l	**15.**	**J/D**	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
o,o,o-Triethyl phosphorothioate	µg/l	**45.**	**J/D**	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
Parathion	µg/l	ND(2.0)	/UD	ND(5.0)	/U	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	**1.6**	**/JD**	ND(0.20)	/U
Phorate	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
Phosmet	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
Tetraethyl dithiopyrophosphate	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	ND(0.20)	/U	ND(2.0)	/UD	ND(0.20)	/U
Thionazin	µg/l	ND(2.0)	/UD	ND(1.0)	/UD	ND(0.40)	/UD	ND(0.20)	/U	**0.39**	**/P**	ND(2.0)	/UD	**4.6**	
EPA8151															
2,4,5-TP (Silvex)	µg/l	NT		ND(35.)	/UD	ND(70.)	/UD	**7.8**	**/D**	ND(70.)	/UD	ND(7.0)	/UD	ND(7.0)	/UD
2,4,5-Trichlorophenoxyacetic acid	µg/l	NT		ND(45.)	/UD	ND(90.)	/UD	ND(9.0)	/UD	ND(90.)	/UD	ND(9.0)	/UD	ND(9.0)	/UD
2,4-D	µg/l	NT		ND(200.)	/UD	**9,200.**	**/D**	ND(40.)	/UD	ND(400.)	/UD	ND(40.)	/UD	ND(40.)	/UD
Dichloroprop	µg/l	NT		ND(250.)	/UD	ND(500.)	/UD	**340.**	**/D**	**180.**	**/JD**	**65.**	**/D**	**87.**	**/D**
MCPP	µg/l	NT		ND(5,000.)	/UD	ND(10,000.)	/UD	ND(1,000.)	/UD	ND(10,000.)	/UD	ND(1,000.)	/UD	ND(1,000.)	/UD
Picloram	µg/l	NT		ND(25.)	/UD	ND(50.)	/UD	ND(5.0)	/UD	ND(50.)	/UD	ND(5.0)	/UD	ND(5.0)	/UD
EPA8330															
1,3,5-Trinitrobenzene	µg/l	**2,500.**	**/D**	NT		ND(420.)	/UD	ND(39.)	UJ/UD	ND(25.)	/UD	NT		NT	
2-Amino-4,6-DNT	µg/l	**170.**	**/D**	NT		ND(420.)	/UD	ND(39.)	UJ/UD	ND(25.)	/UD	NT		NT	
2-Nitrotoluene	µg/l	ND(32.)	/UD	NT		**480.**	**/D**	ND(39.)	UJ/UD	ND(25.)	/UD	NT		NT	
RDX	µg/l	**20,000.**	**/D**	NT		**28,000.**	**/D**	**250.**	**J/D**	**1,000.**	**/D**	NT		NT	
Tetryl	µg/l	**3,400.**	**/D**	NT		**24,000.**	**/D**	**420.**	**J/D**	**1,700.**	**/D**	NT		NT	
pCBSA-LC-MS/MS															
p-CBSA	µg/l	**130.**		NT		NT		**70.**		NT		NT		NT	
SW8015B-DI															
1-Propanol	µg/l	**24,000.**	**/D**	NT		ND(25,000.)	/UD	ND(500.)	/U	ND(500.)	/U	ND(500.)	UJ/U	ND(500.)	/U
2-Methyl-2-propanol	µg/l	**1,300.**	**/JD**	NT		ND(25,000.)	/UD	**560.**		ND(500.)	/U	**2,500.**	**J**	ND(500.)	/U
2-Pentanone	µg/l	**6,100.**	**/D**	NT		**300,000.**	**/D**	**650.**		**800.**		**21,000.**	**J**	**5,000.**	
2-Picoline	µg/l	**6,800.**	**/D**	NT		**19,000.**	**/JD**	ND(500.)	/U	ND(500.)	/U	ND(500.)	UJ/U	**2,300.**	
Acetone	µg/l	**240,000.**	**/D**	NT		**790,000.**	**/D**	**110,000.**	**/D**	**150,000.**	**/D**	**390,000.**	**/D**	**15,000.**	
Acetonitrile	µg/l	ND(2,500.)	/UD	NT		ND(25,000.)	/UD	ND(500.)	/U	ND(500.)	/U	ND(500.)	UJ/U	ND(500.)	/U

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Casmalia, California

	Station Number:	Gallery Well		Gallery Well		Gallery Well		RG-3B		RG-3B		RGPZ-5B		RGPZ-5B	
	Sample Date:	11/15/04		12/15/04		04/13/05		03/02/05		04/18/05		03/03/05		04/18/05	
	Sample Depth (feet):														
	Sample Number:	31471		19130		31649		31492		31670		31497		31673	
	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Ethylene glycol	µg/l	ND(25,000.)	/UDB	NT		ND(250,000.)	/UD	ND(9,600.)	U/B	ND(5,000.)	/U	23,000.	UJ/B	13,000.	
Isobutyl alcohol	µg/l	37,000.	/D	NT		110,000.	/D	2,200.		2,900.		21,000.	J	2,700.	
Isopropanol	µg/l	360,000.	/D	NT		1,600,000.	/D	ND(500.)	/U	ND(500.)	/U	ND(500.)	UJ/U	980,000.	/D
Methanol	µg/l	100,000.	/D	NT		580,000.	/D	22,000.		18,000.		630,000.	/D	16,000.	
Methyl Ethyl Ketone	µg/l	340,000.	/D	NT		1,100,000.	/D	93,000.	/D	130,000.	/D	370,000.	/D	15,000.	
Methyl Isobutyl Ketone	µg/l	ND(2,500.)	/UD	NT		300,000.	/D	8,000.		12,000.		ND(500.)	UJ/U	5,500.	
n-Nitrosodinbutylamine	µg/l	4,800.	/D	NT		ND(25,000.)	/UD	1,200.		1,700.		ND(500.)	UJ/U	350.	/J
Pyridine	µg/l	19,000.	/D	NT		ND(25,000.)	/UD	ND(500.)	/U	ND(500.)	/U	ND(500.)	UJ/U	4,800.	
SW8015M															
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		4,100.		18,000.	J/D	NT		NT		NT	
TPH-Motor Oil	µg/l	NT		NT		1,100.		ND(10,000.)	/UD	NT		NT		NT	
SW8260															
1,1 Dichloroethane	µg/l	32,000.	/D	23,000.	/D	33,000.	/D	15,000.	/D	13,000.	/D	27,000.	/D	24,000.	/D
1,1 Dichloroethene	µg/l	2,100.	/JD	1,100.	/D	2,900.	/D	2,800.	/D	2,600.	/D	4,500.	/D	3,900.	/D
1,1,1 Trichloroethane	µg/l	74,000.	/D	17,000.	/D	68,000.	/D	1,600.	/D	1,600.	/D	28,000.	/D	23,000.	/D
1,1,2 Trichloroethane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	280.	/JD	120.	/D	100.	/JD	320.	/JD	340.	/JD
1,1,2,2 Tetrachloroethane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	230.	/JD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
1,2 Dichloroethane	µg/l	16,000.	/D	11,000.	/D	14,000.	/D	2,900.	/D	3,000.	/D	15,000.	/D	15,000.	/D
1,2 Dichloroethene	µg/l	ND(5,000.)	/UD	ND(1,000.)	/UD	ND(1,000.)	/UD	14,000.	/D	10,000.	/D	3,000.	/D	2,000.	/D
1,2 Dichloropropane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	460.	/JD	230.	/D	220.	/D	ND(1,000.)	/UD	280.	/JD
1,2,3-Trichlorobenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	90.	/JD	ND(120.)	/UD	420.	/JD	ND(500.)	/UD
1,2,4 Trimethylbenzene	µg/l	ND(2,500.)	/UD	320.	/JD	240.	/JD	150.	/D	95.	/JD	3,000.	/D	320.	/JD
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT		NT		1,200.	/DN	1,100.	/NJD	NT		NT	
1,2-Dichlorobenzene	µg/l	1,400.	/JD	3,100.	/D	1,400.	/D	1,600.	/D	1,400.	/D	5,000.	/D	890.	/D
1,3 Dichlorobenzene	µg/l	ND(2,500.)	/UD	370.	/JD	ND(500.)	/UD	160.	/D	130.	/D	400.	/JD	ND(500.)	/UD
1,3,5 Trimethylbenzene	µg/l	ND(2,500.)	/UD	310.	/JD	ND(500.)	/UD	42.	/JD	ND(120.)	/UD	820.	/JD	ND(500.)	/UD
1,4 Dichlorobenzene	µg/l	ND(2,500.)	/UD	420.	/JD	200.	/JD	240.	/D	180.	/D	800.	/JD	ND(500.)	/UD
2 Chlorotoluene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	56.	/JD	42.	/JD	ND(1,000.)	/UD	ND(500.)	/UD
2-Butanol	µg/l	460,000.	/D	ND(50,000.)	/UD	600,000.	/D	ND(10,000.)	/UD	ND(12,000.)	/UD	790,000.	/D	740,000.	/D
2-methyl Propanal	µg/l	NT		40,000.	/DN	NT		NT		NT		NT		NT	
3,3,5-Trimethylcyclohexanone	µg/l	ND(10,000.)	/UD	ND(2,000.)	/UD	ND(2,000.)	/UD	13,000.	/D	11,000.	/D	6,000.	/D	2,300.	/D
Acetone	µg/l	1,100,000.	/DN	1,000,000.	/D	1,100,000.	/D	90,000.	/DN	100,000.	/DB	360,000.	/DN	350,000.	/DB
Benzene	µg/l	4,400.	/D	2,500.	/D	4,800.	/D	2,800.	/D	2,200.	/D	3,800.	/D	3,100.	/D
Bromobenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Bromochloromethane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	1,100.	/D	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Carbon disulfide	µg/l	8,700.	/D	2,600.	/D	8,300.	/D	ND(200.)	/UD	ND(250.)	/UD	2,700.	/D	2,100.	/D
Carbon Tetrachloride	µg/l	2,200.	/JD	1,800.	/D	1,300.	/D	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Chlorobenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Chloroethane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Chloroform	µg/l	63,000.	/D	34,000.	/D	57,000.	/D	6,600.	/D	6,700.	/D	33,000.	/D	31,000.	/D
Chlorotrifluoroethene	µg/l	2,400.	/JD	ND(500.)	/UD	970.	/D	260.	/D	65.	/JD	2,000.	/D	800.	/D
Cis 1,2 Dichloroethene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	270.	/JD	14,000.	/D	9,900.	/D	3,000.	/D	2,000.	/D
Cyclohexanone	µg/l	NT		NT		110,000.	/JD	NT		NT		NT		NT	
Dichlorofluoromethane	µg/l	NT		NT		4,000.	/NJD	510.	/DN	460.	/NJD	NT		NT	

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	Sample Depth (feet):														
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	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl ether	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	46.	/JD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Dimethyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		4,300.	/NJD
Ethanol	µg/l	NT		1,000,000.	/D	NT		NT		NT		NT		NT	
Ethyl Benzene	µg/l	5,600.	/D	7,900.	/D	5,900.	/D	5,400.	/D	4,600.	/D	14,000.	/D	5,600.	/D
Ethyl ether	µg/l	NT		NT		NT		560.	/DN	740.	/NJD	NT		NT	
Freon 11	µg/l	4,600.	/D	910.	/D	5,000.	/D	220.	/D	200.	/D	1,600.	/D	1,400.	/D
Freon 112	µg/l	ND(2,500.)	/UD	580.	/D	440.	/JD	360.	/D	260.	/D	ND(1,000.)	/UD	ND(500.)	/UD
Freon 113	µg/l	12,000.	/D	1,600.	/D	14,000.	/D	6,300.	/D	4,500.	/D	7,200.	/D	4,900.	/D
Freon 12	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	270.	/JD	54.	/JD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Isopropanol	µg/l	2,600,000.	/DN	ND(100,000.)	/UD	2,600,000.	/D	NT		NT		NT		1,800,000.	/D
Isopropylbenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	44.	/JD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Methyl acetate		ND(25,000.)	/UD	7,100.	/D	6,300.	/D	ND(1,000.)	/UD	ND(1,200.)	/UD	ND(10,000.)	/UD	ND(5,000.)	/UD
Methyl Ethyl Ketone		1,500,000.	/DN	1,400,000.	/D	1,300,000.	/NJD	71,000.	/DN	78,000.	/NJD	350,000.	/DN	320,000.	/NJD
Methyl Isobutyl Ketone	µg/l	100,000.	/DN	110,000.	/D	100,000.	/NJD	8,300.	/DN	NT		NT		75,000.	/NJD
Methyl propyl ether	µg/l	NT		15,000.	/DN	NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	52.	/JD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
Methylene Chloride	µg/l	820,000.	/D	NT		720,000.	/D	40,000.	/D	38,000.	/D	650,000.	/D	500,000.	/D
Methyl-tert-butyl ether	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
n Propylbenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	26.	/JD	ND(120.)	/UD	360.	/JD	ND(500.)	/UD
n-Butylbenzene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(120.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD
o-Xylene	µg/l	3,800.	/D	6,700.	/D	4,200.	/D	4,500.	/D	4,000.	/D	11,000.	/D	4,100.	/D
Pentane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	35,000.	/D	38,000.	/D	29,000.	/D	20,000.	/D	16,000.	/D	27,000.	/D	12,000.	/D
Tetrahydrofuran	µg/l	140,000.	/D	150,000.	/D	150,000.	/D	6,200.	/D	6,200.	/D	120,000.	/D	110,000.	/D
Toluene	µg/l	31,000.	/D	23,000.	/D	32,000.	/D	17,000.	/D	16,000.	/D	42,000.	/D	31,000.	/D
trans 1,2 Dichloroethene	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	ND(500.)	/UD	170.	/D	140.	/D	ND(1,000.)	/UD	ND(500.)	/UD
Trichloroethene	µg/l	17,000.	/D	9,000.	/D	16,000.	/D	9,600.	/D	8,100.	/D	11,000.	/D	8,900.	/D
Trifluoromethylbenzene	µg/l	ND(2,500.)	/UD	280.	/JD	200.	/JD	360.	/D	280.	/D	ND(1,000.)	/UD	ND(500.)	/UD
Vinyl Chloride	µg/l	ND(2,500.)	/UD	ND(500.)	/UD	250.	/JD	7,200.	/D	5,600.	/D	ND(1,000.)	/UD	ND(500.)	/UD
Xylenes	µg/l	22,000.	/D	35,000.	/D	22,000.	/D	22,000.	/D	20,000.	/D	56,000.	/D	21,000.	/D
SW8270															
(2,4-Dichlorophenoxy)-Acetic Acid	µg/l	NT		NT		NT		NT		NT		NT		7,300.	/NJD
1,1,2,2 Tetrachloroethane	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1'-Biphenyl	µg/l	NT		5,200.	/DN	11.	/NJD	NT		NT		NT		3,100.	/NJD
1,2,3-Trichlorobenzene	µg/l	NT		NT		46.	/NJD	NT		NT		NT		NT	
1,2,3-Trimethylbenzene Isomer	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	
1,2,4,5-Tetramethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	370.	J	7,100.	/D	9,400.	/D	110.	/D	54.	/D	ND(10.)	/UD	170.	/D
1,2-Dichlorobenzene	µg/l	NT		NT		27,000.	/D	NT		NT		NT		NT	
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,3,5-Trichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	250.	J/J	ND(2,500.)	/UD	ND(1,500.)	/UD	ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD	ND(160.)	/UD

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	Gallery Well		Gallery Well		Gallery Well		RG-3B		RG-3B		RGPZ-5B		RGPZ-5B	
	Sample Date:	11/15/04		12/15/04		04/13/05		03/02/05		04/18/05		03/03/05		04/18/05	
	Sample Depth (feet):														
	Sample Number:	31471		19130		31649		31492		31670		31497		31673	
	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1-Ethyl-3-methylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1-Ethyl-4-methylbenzene	µg/l	NT		NT		11.	/NJD	NT		NT		NT		NT	
2-(1,1-dimethylethyl)-Phenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,2,4-Trimethyl- 1,3-pentanediol	µg/l	NT		NT		NT		NT		NT		NT		12,000.	/NJD
2,2,4-trimethyl-3-Carboxyisopr	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	ND(1,000.)	UJ/U	ND(2,500.)	/UD	ND(1,500.)	/UD	64.	/D	84.	/D	ND(50.)	/UD	ND(160.)	/UD
2,3,4,6-Tetrachloropyridine	µg/l	NT		7,600.	/DN	15.	/NJD	250.	/N	NT		NT		6,100.	/NJD
2,3,5,6-Tetrachloropyridine	µg/l	NT		NT		NT		NT		1,700.	/NJD	NT		NT	
2,3,5-Trichloropyridine	µg/l	NT		NT		15.	/NJD	1,020.	/N	6,870.	/NJD	NT		NT	
2,3-Dichloropyridine	µg/l	NT		7,200.	/DN	NT		1,000.	/N	NT		1,600.	/DN	36,000.	/NJD
2,4-Dichlorophenol	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	ND(300.)	/UD	610.	/D	810.	/D	490.	/D	450.	/D
2,4-Dimethylphenol	µg/l	370.	J	1,800.	/D	2,200.	/D	180.	/D	150.	/D	1,300.	/D	1,100.	/D
2,5-Dichlorobenzenamine	µg/l	NT		NT		NT		NT		2,900.	/NJD	NT		NT	
2,5-Dichloropyridine	µg/l	NT		12,000.	/DN	NT		NT		NT		670.	/DN	NT	
2,6-Dichlorophenol	µg/l	ND(1,000.)	UJ/U	ND(2,500.)	/UD	ND(1,500.)	/UD	ND(50.)	/UD	ND(50.)	/UD	ND(50.)	/UD	500.	/D
2,6-Dichloropyridine	µg/l	NT		NT		NT		NT		12,000.	/NJD	NT		NT	
2-Butoxyethanol	µg/l	NT		70,000.	/DN	98,000.	/NJD	NT		NT		NT		NT	
2-Chloro-3-Methylpyridine	µg/l	NT		NT		NT		26.	/N	4,200.	/NJD	NT		NT	
2-Ethenylnaphthalene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Ethylhexanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	ND(200.)	UJ/U	240.	/JD	1,800.	/D	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
2-Methylnonane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Phenoxy-1,1-biphenyl	µg/l	NT		3,600.	/DN	NT		NT		NT		NT		NT	
2-Phenoxyethanol	µg/l	NT		7,400.	/DN	11,000.	/NJD	NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	1,100.	J	7,400.	/D	4,600.	/DB	470.	/D	420.	/D	2,600.	/D	2,400.	/D
3,3,5-Trimethylcyclohexanone	µg/l	NT		NT		NT		2,000.	/N	28,000.	/NJD	NT		NT	
3,4,5-Trichlorobenzenamine	µg/l	NT		NT		6,600.	/NJD	NT		NT		NT		NT	
3,5-Dichloro-Benzenamine	µg/l	NT		NT		NT		140.	/N	NT		NT		NT	
3-Chloropyridine	µg/l	NT		10,000.	/DN	NT		NT		NT		NT		NT	
3-Methylbenzoic acid	µg/l	NT		NT		NT		880.	/N	3,300.	/NJD	NT		NT	
4-Chloro-3-methylphenol	µg/l	ND(1,000.)	UJ/U	ND(2,500.)	/UD	ND(740.)	/UD	ND(50.)	/UD	50.	/D	ND(50.)	/UD	ND(79.)	/UD
4-Methyl-Benzenesulfonamide	µg/l	NT		NT		NT		NT		NT		NT		6,100.	/NJD
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		NT		530.	/NJD	NT		10,000.	/NJD
Acetophenone	µg/l	ND(1,000.)	UJ/U	ND(2,500.)	/UD	ND(1,500.)	/UD	ND(50.)	/UD	290.	/D	ND(50.)	/UD	ND(160.)	/UD
Benzoic acid	µg/l	4,400.	J	22,000.	/D	22,000.	/D	1,700.	/D	2,100.	/D	14,000.	/D	19,000.	/D
Benzyl alcohol	µg/l	970.	J	5,800.	/D	ND(300.)	/UD	1.5	/JD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
bis(2-Chloroethoxy) methane	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	ND(300.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
bis(2-Ethylhexyl) phthalate	µg/l	1,200.	J	5,600.	/D	19,000.	/DB	ND(25.)	/UD	ND(25.)	/UDB	120.	/D	360.	/DB
Butyl benzyl phthalate	µg/l	170.	J/J	640.	/D	2,800.	/D	ND(10.)	/UD	ND(10.)	/UD	25.	/D	59.	/D
Chloro-2-Pyridinecarboxylic Acid	µg/l	NT		NT		NT		NT		NT		1,100.	/DN	NT	
Cyclohexanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		86,000.	/DN	57,000.	/NJD	1,800.	/N	27,000.	/NJD	NT		NT	
Decane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Dibenzofuran	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	ND(300.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	Gallery Well		Gallery Well		Gallery Well		RG-3B		RG-3B		RGPZ-5B		RGPZ-5B	
	Sample Date:	11/15/04		12/15/04		04/13/05		03/02/05		04/18/05		03/03/05		04/18/05	
	Sample Depth (feet):														
	Sample Number:	31471		19130		31649		31492		31670		31497		31673	
	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dichloroprop	µg/l	NT		NT		NT		290.	/N	3,100.	/NJD	NT		NT	
Diethyl phthalate	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	ND(300.)	/UD	9.4	/JD	4.4	/JD	ND(10.)	/UD	ND(32.)	/UD
Dimethyl phthalate	µg/l	99.	J/J	380.	/JD	480.	/D	45.	/D	24.	/D	130.	/D	250.	/D
Di-n-butyl phthalate	µg/l	ND(200.)	UJ/U	190.	/JD	1,300.	/D	ND(10.)	/UD	ND(10.)	/UD	12.	/D	35.	/D
Diphenyl ether	µg/l	NT		12,000.	/DN	25.	/NJD	160.	/N	NT		NT		5,900.	/NJD
Dodecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Dodecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethyl Amyl Ketone	µg/l	NT		NT		NT		NT		2,500.	/NJD	NT		NT	
Heptadecane	µg/l	NT		680.	/DN	NT		NT		NT		NT		NT	
Hexachlorobutadiene	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	530.	/D	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
Hexachloroethane	µg/l	ND(200.)	UJ/U	ND(500.)	/UD	ND(300.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
Hexadecane	µg/l	NT		7,100.	/DN	NT		NT		NT		NT		NT	
Isophorone	µg/l	ND(200.)	UJ/U	15,000.	/D	26,000.	/D	380.	/D	390.	/D	4,700.	/D	6,100.	/D
m-tert-Butylphenol	µg/l	NT		NT		NT		NT		NT		NT		NT	
m-Xylene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
o-Cresol	µg/l	3,000.	J	16,000.	/D	14,000.	/D	1,500.	/D	1,400.	/D	4,700.	/D	7,300.	/D
Octadecane	µg/l	NT		4,600.	/DN	NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	ND(1,000.)	UJ/U	ND(2,500.)	/UD	ND(1,500.)	/UD	ND(50.)	/UD	ND(50.)	/UD	12.	/JD	ND(160.)	/UD
Pentachloropyridine	µg/l	NT		5,200.	/DN	17.	/NJD	NT		NT		NT		NT	
Pentadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
Phenanthrene	µg/l	ND(200.)	UJ/U	190.	/JD	ND(300.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(10.)	/UD	ND(32.)	/UD
Phenols	µg/l	9,300.	J	82,000.	/D	73,000.	/DB	3,200.	/D	3,300.	/D	21,000.	/D	29,000.	/D
Phthalic anhydride	µg/l	NT		NT		NT		NT		NT		NT		11,000.	/NJD
Pyridine, 3,5-dichloro-	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetradecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		4,800.	/DN	NT		NT		NT		NT		NT	
Tri(2-chloroethyl)phosphate	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tributyl Phosphate	µg/l	NT		NT		NT		NT		NT		NT		NT	
Undecane	µg/l	NT		8,200.	/DN	NT		NT		NT		NT		NT	
SW8270C-SIM															
Acenaphthylene	µg/l	ND(1.0)	/UD	58.	/D	16.	/D	ND(0.50)	/UD	ND(0.10)	/U	ND(1.1)	UJ/UD	ND(2.8)	/UD
Benzo(a)anthracene	µg/l	0.34	B,J/JD	130.	/D	27.	/D	ND(0.026)	U/J	0.092	/JBB	4.2	B,J/D	1.3	/DBB
Benzo(a)pyrene	µg/l	ND(1.0)	/UD	33.	/D	15.	/D	ND(0.03)	U/J	ND(0.10)	/U	1.7	B,J/D	0.17	/D
Benzo(b)fluoranthene	µg/l	0.18	B,J/JD	33.	/D	12.	/D	ND(0.10)	/U	ND(0.10)	/U	1.6	J/D	0.45	/D
Benzo(ghi)perylene	µg/l	ND(0.23)	U/JD	18.	/D	4.5	/JD	ND(0.028)	U/J	0.017	/J	1.2	B,J/D	0.15	/D
Benzo(k)fluoranthene	µg/l	0.14	B/JD	16.	/D	8.7	/D	ND(0.10)	/U	ND(0.10)	/U	0.79	B,J/JD	0.22	/D
bis(2-Chloroethyl) ether	µg/l	1,400.	/D	1,500.	/D	720.	/D	0.23		74.	/D	ND(28.)	UJ/UD	1,100.	/D
Chrysene	µg/l	0.41	/JD	150.	/D	22.	/D	ND(0.10)	/U	0.016	/J	3.2	J/D	0.82	/D
Dibenzo(a,h)anthracene	µg/l	ND(1.0)	/UD	9.4	/JD	2.6	/JD	ND(0.028)	U/JB	ND(0.10)	/U	0.31	B,J/JD	0.13	/D
Fluoranthene	µg/l	0.83	J/JD	210.	/D	52.	/D	0.031	/J	0.13		9.8	J/D	1.4	/D
Fluorene	µg/l	1.4	J/D	430.	/D	5.3	/D	0.039	/JD	0.22		10.	J/D	4.2	/D
Indeno(1,2,3-cd)pyrene	µg/l	ND(1.0)	/UD	10.	/D	2.8	/JD	ND(0.019)	U/JB	ND(0.10)	/U	0.35	B,J/JD	0.097	/JD

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	Gallery Well		Gallery Well		Gallery Well		RG-3B		RG-3B		RGPZ-5B		RGPZ-5B	
	Sample Date:	11/15/04		12/15/04		04/13/05		03/02/05		04/18/05		03/03/05		04/18/05	
	Sample Depth (feet):														
	Sample Number:	31471		19130		31649		31492		31670		31497		31673	
	Lab Batch:	0412150		0413346		0503689		0502196		0503829		0502242		0503829	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Naphthalene	µg/l	76.	J	8,500.	/D	3,300.	/D	19.	B/D	0.39		420.	B,J/DB	450.	/D
N-Nitrosodiethylamine	µg/l	89.		4,500.	/D	2,200.	/DB	39.	/D	210.	/DB	130.	B,J/D	210.	/DB
N-Nitrosodimethylamine	µg/l	24.	/D	ND(1.0)	/UD	48.	/D	19.	/D	28.	/D	97.		19.	/D
N-Nitrosodinpropylamine	µg/l	ND(1.0)	/UD	6,100.	/DB	1,200.	/DB	0.84	/JD	1.2	/JD	89.	B,J/DB	ND(56.)	/UD
N-Nitrosomethylethylamine	µg/l	ND(1.0)	/UD	ND(10.)	/UD	ND(5.0)	/UD	ND(0.50)	/UD	ND(2.0)	/UD	ND(1.1)	UJ/UD	ND(2.8)	/UD
n-Nitrosopyrrolidine	µg/l	ND(1.0)	/UD	190.	/D	81.	/D	1.5	/D	0.99	/JD	5.3	J/D	2.3	/JD
Pyrene	µg/l	0.62	/JD	290.	/D	44.	/D	ND(0.10)	/U	ND(0.10)	/U	5.7	B,J/D	1.3	/JD
SW8290															
1,2,3,4,6,7,8-HpCDD	pg/l	235,000.		NT		149,000.		48.6		3.28	/J	5,980.	J	11,300.	
1,2,3,4,6,7,8-HpCDF	pg/l	54,000.		NT		33,300.		10.6		0.938	/J	1,270.	J	2,470.	
1,2,3,4,7,8,9-HpCDF	pg/l	5,720.		NT		3,410.		ND(3.31)		ND(0.413)	/U	252.	J	275.	
1,2,3,4,7,8-HxCDD	pg/l	678.		NT		667.		ND(2.6)		ND(3.13)	/U	14.4	J/J	28.2	
1,2,3,4,7,8-HxCDF	pg/l	4,950.		NT		8,320.		13.9		4.12	/J	506.	J	922.	
1,2,3,6,7,8-HxCDD	pg/l	20,200.		NT		12,300.		ND(3.56)		ND(4.25)	/U	429.	J	861.	
1,2,3,6,7,8-HxCDF	pg/l	2,660.		NT		2,150.		ND(2.81)		ND(0.62)	/U	85.6	J	114.	
1,2,3,7,8,9-HxCDD	pg/l	955.		NT		710.		ND(3.27)		ND(3.23)	/U	23.7	J/J	11.5	
1,2,3,7,8,9-HxCDF	pg/l	3,570.		NT		2,200.		ND(2.39)		ND(0.348)	/U	83.8	J	126.	
1,2,3,7,8-PeCDD	pg/l	339.		NT		211.		ND(9.51)		ND(1.3)	/U	ND(7.16)	UJ/U	3.15	/J
1,2,3,7,8-PeCDF	pg/l	3,640.		NT		2,580.		ND(3.52)		ND(1.69)	/U	164.	J	232.	
2,3,4,6,7,8-HxCDF	pg/l	4,130.		NT		2,710.		ND(1.86)		ND(0.288)	/U	94.5	J	159.	
2,3,4,7,8-PeCDF	pg/l	4,750.		NT		4,730.		ND(5.2)		ND(1.75)	/U	200.	J	284.	
2,3,7,8-TCDD	pg/l	342.		NT		319.		ND(1.71)		ND(0.448)	/U	12.9	J	3.12	
2,3,7,8-TCDF	pg/l	2,950.	/F	NT		1,980.	/F	ND(2.15)		ND(0.318)	/U	139.	J/F	216.	/*,F
Hepta-CDD (total)	pg/l	345,000.		NT		NT		NT		NT		NT		NT	
Hepta-CDFs (total)	pg/l	181,000.		NT		NT		NT		NT		NT		NT	
Hexa-CDD (total)	pg/l	48,500.	/M	NT		NT		NT		NT		NT		NT	
Hexa-CDF (total)	pg/l	88,100.	/D,M	NT		NT		NT		NT		NT		NT	
OCDD	pg/l	6,060,000.		NT		3,760,000.	/*	931.		246.		146,000.	J	273,000.	
OCDF	pg/l	134,000.		NT		83,500.		32.1		ND(3.73)	/U	3,740.	J	6,170.	
PeCDD (total)	pg/l	2,590.	/M	NT		NT		NT		NT		NT		NT	
PeCDF (total)	pg/l	45,800.	/M	NT		NT		NT		NT		NT		NT	
TCDD (total)	pg/l	1,190.	/M	NT		NT		NT		NT		NT		NT	
TCDF (total)	pg/l	42,400.	/D,M	NT		NT		NT		NT		NT		NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RGPZ-6B		RGPZ-6B		RIMW-3		RIMW-3		RIPZ-8		RIPZ-8		RP-20B	
	Sample Date:	03/02/05		04/18/05		03/03/05		04/18/05		03/03/05		04/18/05		10/19/04	
	Sample Depth (feet):														
	Sample Number:	31494		31671		31495		31669		31496		31672		31360	
	Lab Batch:	0502196		0503829		0502242		0503829		0502242		0503829		0410989	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E504.1															
1,2 Dibromoethane (EDB)	µg/l	**2.2**	**/D**	**0.87**	**/P**	ND(0.10)	/UD	ND(0.01)	/U	**12.**	**/D**	**11.**	**/D**	ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	**26.**	**/D**	**13.**	**/D**	**9.2**	**/D**	**9.1**	**/D**	ND(5.0)	/UD	**8.2**	**/D**	ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	**120.**	**/D**	**39.**	**/DP**	**22.**	**/D**	**31.**	**/DP**	**17.**	**/D**	**18.**	**/DP**	ND(0.01)	/U
EPA8081															
Endosulfan II	µg/l	ND(0.50)	/UD	ND(0.50)	/UD	ND(0.50)	/UD	ND(0.05)	/UD	ND(0.50)	/UD	ND(0.05)	/UD	NT	
Hexachlorobenzene	µg/l	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	NT	
EPA8082															
Aroclor-1016	µg/l	ND(5.0)	/UD	ND(0.20)	/U	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(0.20)	/U	NT	
PCBs	µg/l	ND(5.0)	/UD	ND(0.20)	/U	ND(2.0)	/UD	ND(2.0)	/UD	ND(2.0)	/UD	ND(0.20)	/U	NT	
EPA8141															
Chlorpyrifos	µg/l	**2.8**	**/DP**	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Dimethoate	µg/l	**3.1**	**/DP**	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	**0.66**	**J/DP**	ND(0.20)	/U	NT	
Disulfoton	µg/l	**33.**	**/DP**	**6.3**	**/DP**	ND(0.56)	/UD	ND(0.50)	/U	ND(0.60)	/UD	ND(0.50)	/U	NT	
Famphur	µg/l	ND(2.0)	/UD	**1.1**	**/P**	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	**0.19**	**/JP**	NT	
Malathion	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Methyl parathion	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
o,o,o-Triethyl phosphorothioate	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Parathion	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	**0.41**	**/P**	NT	
Phorate	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Phosmet	µg/l	ND(2.0)	/UD	ND(2.0)	/UD	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Tetraethyl dithiopyrophosphate	µg/l	ND(2.0)	/UD	**0.92**	**/P**	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
Thionazin	µg/l	ND(2.0)	/UD	ND(0.20)	/U	ND(0.22)	/UD	ND(0.20)	/U	ND(0.24)	/UD	ND(0.20)	/U	NT	
EPA8151															
2,4,5-TP (Silvex)	µg/l	ND(7.0)	/UD	ND(70.)	/UD	**3.8**	**/D**	ND(0.70)	/UD	ND(0.70)	/UD	ND(0.70)	/UD	NT	
2,4,5-Trichlorophenoxyacetic acid	µg/l	ND(9.0)	/UD	ND(90.)	/UD	ND(0.90)	/UD	ND(0.90)	/UD	ND(0.90)	/UD	**7.4**	**/D**	NT	
2,4-D	µg/l	ND(40.)	/UD	ND(400.)	/UD	ND(4.0)	/UD	ND(4.0)	/UD	ND(4.0)	/UD	ND(4.0)	/UD	NT	
Dichloroprop	µg/l	ND(50.)	/UD	**120.**	**/JDP**	**24.**	**/D**	ND(5.0)	/UD	ND(5.0)	/UD	ND(5.0)	/UD	NT	
MCPP	µg/l	ND(1,000.)	/UD	ND(10,000.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(100.)	/UD	NT	
Picloram	µg/l	ND(5.0)	/UD	ND(50.)	/UD	ND(0.50)	/UD	ND(0.50)	/UD	ND(0.50)	/UD	**8.3**	**/D**	NT	
EPA8330															
1,3,5-Trinitrobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Amino-4,6-DNT	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Nitrotoluene	µg/l	NT		NT		NT		NT		NT		NT		NT	
RDX	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tetryl	µg/l	NT		NT		NT		NT		NT		NT		NT	
pCBSA-LC-MS/MS															
p-CBSA	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8015B-DI															
1-Propanol	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
2-Methyl-2-propanol	µg/l	**690.**		ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
2-Pentanone	µg/l	**540.**		ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
2-Picoline	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
Acetone	µg/l	**87,000.**	**/D**	**70,000.**	**/D**	**4,900.**		**5,000.**		NT		**10,000.**		NT	
Acetonitrile	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RGPZ-6B		RGPZ-6B		RIMW-3		RIMW-3		RIPZ-8		RIPZ-8		RP-20B	
	Sample Date:	03/02/05		04/18/05		03/03/05		04/18/05		03/03/05		04/18/05		10/19/04	
	Sample Depth (feet):														
	Sample Number:	31494		31671		31495		31669		31496		31672		31360	
	Lab Batch:	0502196		0503829		0502242		0503829		0502242		0503829		0410989	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Ethylene glycol	µg/l	ND(21,000.)	U/B	ND(5,000.)	/U	ND(9,400.)	U/B	ND(5,000.)	/U	NT		ND(5,000.)	/U	NT	
Isobutyl alcohol	µg/l	1,500.		1,000.		380.	/J	660.		NT		570.		NT	
Isopropanol	µg/l	ND(500.)	/U	21,000.		ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
Methanol	µg/l	49,000.	/D	15,000.		2,200.		2,700.		NT		3,900.		NT	
Methyl Ethyl Ketone	µg/l	93,000.	/D	76,000.	/D	5,600.		7,100.		NT		12,000.		NT	
Methyl Isobutyl Ketone	µg/l	7,900.		4,700.		ND(500.)	/U	660.		NT		1,800.		NT	
n-Nitrosodinbutylamine	µg/l	ND(500.)	/U	910.		ND(500.)	/U	ND(500.)	/U	NT		ND(500.)	/U	NT	
Pyridine	µg/l	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	ND(500.)	/U	NT		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	17,000.	/D	13,000.	/D	9,000.	/D	7,000.	/D	14,000.	/D	13,000.	/D	ND(0.50)	/U
1,1 Dichloroethene	µg/l	5,300.	/D	4,200.	/D	1,300.	/D	1,000.	/D	3,100.	/D	3,500.	/D	2.0	
1,1,1 Trichloroethane	µg/l	13,000.	/D	11,000.	/D	5,700.	/D	4,700.	/D	12,000.	/D	19,000.	/D	ND(0.50)	/U
1,1,2 Trichloroethane	µg/l	140.	/JD	ND(500.)	/UD	48.	/JD	41.	/JD	58.	/JD	78.	/JD	ND(0.50)	/U
1,1,2,2 Tetrachloroethane	µg/l	390.	/D	ND(500.)	/UD	86.	/JD	69.	/D	360.	/D	710.	/D	ND(0.50)	/U
1,2 Dichloroethane	µg/l	2,800.	/D	2,500.	/D	890.	/D	730.	/D	1,000.	/D	1,200.	/D	ND(0.50)	/U
1,2 Dichloroethene	µg/l	6,800.	/D	5,200.	/D	6,800.	/D	6,100.	/D	980.	/D	1,100.	/D	ND(1.0)	/U
1,2 Dichloropropane	µg/l	240.	/JD	220.	/JD	130.	/D	120.	/D	110.	/D	100.	/D	ND(0.50)	/U
1,2,3-Trichlorobenzene	µg/l	220.	/JD	ND(500.)	/UD	60.	/JD	88.	/D	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
1,2,4 Trimethylbenzene	µg/l	370.	/D	160.	/JD	140.	/D	170.	/D	370.	/D	260.	/D	ND(0.50)	/U
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	NT		NT		440.	/DN	420.	/NJD	680.	/DN	860.	/NJD	41.	/N
1,2-Dichlorobenzene	µg/l	2,900.	/D	1,900.	/D	1,400.	/D	1,700.	/D	710.	/D	790.	/D	ND(0.50)	/U
1,3 Dichlorobenzene	µg/l	300.	/D	170.	/JD	140.	/D	170.	/D	42.	/JD	44.	/JD	ND(0.50)	/U
1,3,5 Trimethylbenzene	µg/l	120.	/JD	ND(500.)	/UD	44.	/JD	60.	/D	110.	/D	100.	/D	ND(0.50)	/U
1,4 Dichlorobenzene	µg/l	400.	/D	270.	/JD	190.	/D	230.	/D	100.	/D	110.	/D	ND(0.50)	/U
2 Chlorotoluene	µg/l	100.	/JD	ND(500.)	/UD	46.	/JD	50.	/D	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
2-Butanol	µg/l	31,000.	/D	25,000.	/JD	8,000.	/JD	2,400.	/JD	ND(10,000.)	/UD	ND(10,000.)	/UD	ND(50.)	R/U
2-methyl Propanal	µg/l	NT		NT		NT		NT		NT		NT		NT	
3,3,5-Trimethylcyclohexanone	µg/l	4,200.	/D	2,600.	/D	1,400.	/D	900.	/D	ND(400.)	/UD	ND(400.)	/UD	ND(2.0)	/U
Acetone	µg/l	100,000.	/DN	82,000.	/DB	19,000.	/DN	NT		9,900.	/DN	12,000.	/DB	NT	
Benzene	µg/l	8,400.	/D	5,700.	/D	2,200.	/D	1,400.	/D	3,400.	/D	4,000.	/D	ND(0.50)	/U
Bromobenzene	µg/l	75.	/JD	ND(500.)	/UD	ND(100.)	/UD	15.	/JD	54.	/JD	120.	/D	ND(0.50)	/U
Bromochloromethane	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Carbon disulfide	µg/l	860.	/D	550.	/JD	140.	/JD	90.	/JD	ND(200.)	/UD	ND(200.)	/UD	ND(1.0)	/U
Carbon Tetrachloride	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Chlorobenzene	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Chloroethane	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Chloroform	µg/l	14,000.	/D	11,000.	/D	4,400.	/D	3,400.	/D	6,900.	/D	6,700.	/D	ND(0.50)	/U
Chlorotrifluoroethene	µg/l	490.	/D	380.	/JD	1,700.	/D	980.	/D	3,500.	/D	1,400.	/D	4.8	
Cis 1,2 Dichloroethene	µg/l	6,700.	/D	5,200.	/D	6,700.	/D	6,000.	/D	980.	/D	1,100.	/D	ND(0.50)	/U
Cyclohexanone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Dichlorofluoromethane	µg/l	610.	/DN	NT		390.	/DN	480.	/NJD	620.	/DN	880.	/NJD	NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RGPZ-6B		RGPZ-6B		RIMW-3		RIMW-3		RIPZ-8		RIPZ-8		RP-20B	
	Sample Date:	03/02/05		04/18/05		03/03/05		04/18/05		03/03/05		04/18/05		10/19/04	
	Sample Depth (feet):														
	Sample Number:	31494		31671		31495		31669		31496		31672		31360	
	Lab Batch:	0502196		0503829		0502242		0503829		0502242		0503829		0410989	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl ether	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Dimethyl sulfide	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethyl Benzene	µg/l	7,900.	/D	4,800.	/D	3,300.	/D	3,500.	/D	3,800.	/D	6,400.	/D	ND(0.50)	/U
Ethyl ether	µg/l	1,000.	/DN	NT		300.	/DN	300.	/NJD	290.	/DN	NT		NT	
Freon 11	µg/l	860.	/D	710.	/D	270.	/D	220.	/D	170.	/D	220.	/D	0.27	/J
Freon 112	µg/l	780.	/D	420.	/JD	310.	/D	340.	/D	34.	/JD	ND(100.)	/UD	ND(0.50)	/U
Freon 113	µg/l	11,000.	/D	7,200.	/D	4,000.	/D	2,900.	/D	3,100.	/D	2,800.	/D	1.4	
Freon 12	µg/l	ND(250.)	/UD	ND(500.)	/UD	72.	/JD	63.	/D	320.	/D	210.	/D	0.38	/J
Isopropanol	µg/l	NT		120,000.	/D	NT		NT		NT		NT		NT	
Isopropylbenzene	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	34.	/JD	48.	/JD	52.	/JD	ND(0.50)	/U
Methyl acetate		ND(2,500.)	/UD	ND(5,000.)	/UD	ND(1,000.)	/UD	ND(500.)	/UD	ND(1,000.)	/UD	ND(1,000.)	/UD	ND(5.0)	/U
Methyl Ethyl Ketone		100,000.	/DN	72,000.	/NJD	16,000.	/DN	5,300.	/NJD	9,400.	/DN	11,000.	/NJD	NT	
Methyl Isobutyl Ketone	µg/l	12,000.	/DN	9,000.	/NJD	NT		830.	/NJD	NT		2,000.	/NJD	NT	
Methyl propyl ether	µg/l	NT		NT		NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	85.	/JD	ND(500.)	/UD	34.	/JD	25.	/JD	38.	/JD	ND(100.)	/UD	ND(0.50)	/U
Methylene Chloride	µg/l	110,000.	/D	68,000.	/D	15,000.	/D	5,700.	/D	68,000.	/D	54,000.	/D	ND(1.0)	/U
Methyl-tert-butyl ether	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
n Propylbenzene	µg/l	75.	/JD	ND(500.)	/UD	26.	/JD	26.	/JD	40.	/JD	40.	/JD	ND(0.50)	/U
n-Butylbenzene	µg/l	ND(250.)	/UD	ND(500.)	/UD	ND(100.)	/UD	ND(50.)	/UD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
o-Xylene	µg/l	6,400.	/D	4,000.	/D	2,900.	/D	3,100.	/D	3,000.	/D	4,800.	/D	ND(0.50)	/U
Pentane	µg/l	1,900.	/DN	NT		NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	28,000.	/D	16,000.	/D	9,800.	/D	9,800.	/D	5,800.	/D	8,100.	/D	ND(0.50)	/U
Tetrahydrofuran	µg/l	11,000.	/D	7,800.	/JD	3,700.	/JD	3,200.	/D	1,000.	/JD	1,200.	/JD	ND(20.)	/U
Toluene	µg/l	23,000.	/D	17,000.	/D	7,500.	/D	6,200.	/D	8,700.	/D	15,000.	/D	ND(0.50)	/U
trans 1,2 Dichloroethene	µg/l	ND(250.)	/UD	ND(500.)	/UD	46.	/JD	31.	/JD	ND(100.)	/UD	ND(100.)	/UD	ND(0.50)	/U
Trichloroethene	µg/l	19,000.	/D	13,000.	/D	5,600.	/D	4,100.	/D	4,300.	/D	5,500.	/D	0.63	
Trifluoromethylbenzene	µg/l	380.	/D	220.	/JD	110.	/D	120.	/D	ND(100.)	/UD	60.	/JD	ND(0.50)	/U
Vinyl Chloride	µg/l	1,800.	/D	1,400.	/D	1,700.	/D	1,200.	/D	410.	/D	350.	/D	ND(0.50)	/U
Xylenes	µg/l	32,000.	/D	20,000.	/D	13,000.	/D	14,000.	/D	14,000.	/D	25,000.	/D	ND(1.0)	/U
SW8270															
(2,4-Dichlorophenoxy)-Acetic Acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,1,2,2 Tetrachloroethane	µg/l	NT		NT		NT		NT		NT		1,900.	/NJD	NT	
1,1'-Biphenyl	µg/l	4,500.	/DN	5,900.	/NJD	NT		140.	/NJD	NT		2,000.	/NJD	NT	
1,2,3-Trichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,3-Trimethylbenzene Isomer	µg/l	NT		NT		NT		220.	/NJD	NT		2,600.	/NJD	NT	
1,2,3-Trimethylbenzene	µg/l	NT		NT		NT		110.	/NJD	58.	/N	4,500.	/NJD	NT	
1,2,4 Trimethylbenzene	µg/l	6,600.	/DN	NT		NT		NT		105.	/N	NT		NT	
1,2,4,5-Tetramethylbenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	µg/l	4,800.		610.	/D	95.		230.	/D	34.		41.	/D	ND(2.0)	/U
1,2-Dichlorobenzene	µg/l	NT		NT		NT		NT		NT		NT		NT	
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT		1,800.	/NJD	NT	
1,3,5-Trichlorobenzene	µg/l	NT		8,200.	/NJD	18.	/N	NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	ND(1,100.)	/U	ND(100.)	/UD	ND(10.)	/U	ND(50.)	/UD	ND(10.)	/U	ND(50.)	/UD	ND(10.)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	**RGPZ-6B**		**RGPZ-6B**		**RIMW-3**		**RIMW-3**		**RIPZ-8**		**RIPZ-8**		**RP-20B**	
	Sample Date:	**03/02/05**		**04/18/05**		**03/03/05**		**04/18/05**		**03/03/05**		**04/18/05**		**10/19/04**	
	Sample Depth (feet):														
	Sample Number:	**31494**		**31671**		**31495**		**31669**		**31496**		**31672**		**31360**	
	Lab Batch:	**0502196**		**0503829**		**0502242**		**0503829**		**0502242**		**0503829**		**0410989**	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1-Ethyl-3-methylbenzene	µg/l	NT		NT		NT		NT		NT		**2,300.**	**/NJD**	NT	
1-Ethyl-4-methylbenzene	µg/l	NT		NT		NT		NT		**51.**	**/N**	NT		NT	
2-(1,1-dimethylethyl)-Phenol	µg/l	NT		NT		**43.**	**/N**	NT		NT		NT		NT	
2,2,4-Trimethyl- 1,3-pentanediol	µg/l	NT		NT		NT		NT		NT		**3,000.**	**/NJD**	NT	
2,2,4-trimethyl-3-Carboxyisopr	µg/l	**2,700.**	**/DN**	NT		NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	**230.**	**/J**	**130.**	**/D**	**93.**	**J/D**	**57.**	**/D**	ND(10.)	UJ/U	**13.**	**/JD**	ND(10.)	/U
2,3,4,6-Tetrachloropyridine	µg/l	**4,600.**	**/DN**	NT		**110.**	**/N**	**180.**	**/NJD**	**110.**	**/N**	**530.**	**/NJD**	NT	
2,3,5,6-Tetrachloropyridine	µg/l	NT		**13,000.**	**/NJD**	NT		NT		NT		NT		NT	
2,3,5-Trichloropyridine	µg/l	**2,300.**	**/DN**	**7,500.**	**/NJD**	**132.**	**/N**	**190.**	**/NJD**	**32.**	**/N**	**2,400.**	**/NJD**	NT	
2,3-Dichloropyridine	µg/l	NT		NT		**93.**	**/N**	NT		**36.**	**/N**	NT		NT	
2,4-Dichlorophenol	µg/l	**750.**		**370.**	**/D**	**270.**	**J/D**	**150.**	**/D**	ND(2.0)	UJ/U	**22.**	**/D**	ND(2.0)	/U
2,4-Dimethylphenol	µg/l	ND(220.)	/U	**220.**	**/D**	**170.**	**J/D**	**120.**	**/D**	**150.**	**J/D**	**150.**	**/D**	ND(2.0)	/U
2,5-Dichlorobenzenamine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		**49.**	**/N**	NT		NT		NT		NT	
2,6-Dichlorophenol	µg/l	ND(1,100.)	/U	ND(100.)	/UD	ND(10.)	/U	ND(50.)	/UD	ND(10.)	UJ/U	ND(50.)	/UD	ND(10.)	/U
2,6-Dichloropyridine	µg/l	**4,500.**	**/DN**	**12,000.**	**/NJD**	NT		**420.**	**/NJD**	NT		**3,000.**	**/NJD**	NT	
2-Butoxyethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Chloro-3-Methylpyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Ethenylnaphthalene	µg/l	NT		NT		NT		NT		**78.**	**/N**	NT		NT	
2-Ethylhexanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	**450.**		**86.**	**/D**	**22.**		**26.**	**/D**	**63.**		**42.**	**/D**	ND(2.0)	/U
2-Methylnonane	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Phenoxy-1,1-biphenyl	µg/l	NT		NT		NT		NT		NT		NT		NT	
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	**450.**		**450.**	**/D**	**170.**	**J/D**	**110.**	**/D**	**27.**	**UJ**	**140.**	**/D**	ND(2.0)	/U
3,3,5-Trimethylcyclohexanone	µg/l	NT		**23,000.**	**/NJD**	**360.**	**/N**	**490.**	**/NJD**	NT		NT		NT	
3,4,5-Trichlorobenzenamine	µg/l	NT		NT		NT		NT		NT		NT		NT	
3,5-Dichloro-Benzenamine	µg/l	NT		NT		NT		NT		NT		NT		NT	
3-Chloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
3-Methylbenzoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
4-Chloro-3-methylphenol	µg/l	ND(1,100.)	/U	ND(50.)	/UD	ND(10.)	/U	ND(25.)	/UD	ND(10.)	UJ/U	ND(25.)	/UD	ND(10.)	/U
4-Methyl-Benzenesulfonamide	µg/l	NT		NT		NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		**5,400.**	**/NJD**	**38.**	**/N**	NT		NT		NT		NT	
Acetophenone	µg/l	ND(1,100.)	/U	**350.**	**/D**	ND(10.)	/U	**55.**	**/D**	**170.**	**/D**	**130.**	**/D**	ND(10.)	/U
Benzoic acid	µg/l	**3,200.**		**1,900.**	**/D**	**870.**	**J/D**	**130.**	**/D**	ND(10.)	UJ/U	**160.**	**/D**	ND(10.)	/U
Benzyl alcohol	µg/l	ND(220.)	/U	ND(20.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U
bis(2-Chloroethoxy) methane	µg/l	ND(220.)	/U	**10.**	**/JD**	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U
bis(2-Ethylhexyl) phthalate	µg/l	**5,200.**		**520.**	**/DB**	**9.6**		**65.**	**/DB**	**53.**		**58.**	**/DB**	ND(5.0)	/U
Butyl benzyl phthalate	µg/l	**940.**		**100.**	**/D**	**7.9**		**14.**	**/D**	**36.**		**30.**	**/D**	ND(2.0)	/U
Chloro-2-Pyridinecarboxylic Acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Cyclohexanol	µg/l	**8,800.**	**/DN**	NT		**420.**	**/N**	NT		NT		NT		NT	
Cyclohexanone	µg/l	NT		**11,000.**	**/NJD**	NT		NT		NT		NT		NT	
Decane	µg/l	NT		**8,000.**	**/NJD**	NT		NT		NT		NT		NT	
Dibenzofuran	µg/l	ND(220.)	/U	**6.9**	**/JD**	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	**2.4**	**/JD**	ND(2.0)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
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Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RGPZ-6B		RGPZ-6B		RIMW-3		RIMW-3		RIPZ-8		RIPZ-8		RP-20B	
	Sample Date:	03/02/05		04/18/05		03/03/05		04/18/05		03/03/05		04/18/05		10/19/04	
	Sample Depth (feet):														
	Sample Number:	31494		31671		31495		31669		31496		31672		31360	
	Lab Batch:	0502196		0503829		0502242		0503829		0502242		0503829		0410989	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dichloroprop	µg/l	NT		NT		NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	ND(220.)	/U	ND(20.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	3.4	/JD	ND(2.0)	/U
Dimethyl phthalate	µg/l	ND(220.)	/U	13.	/JD	13.		ND(10.)	/UD	4.6		5.5	/JD	ND(2.0)	/U
Di-n-butyl phthalate	µg/l	180.	/J	58.	/D	6.8		12.	/D	19.		16.	/D	ND(2.0)	/U
Diphenyl ether	µg/l	8,000.	/DN	15,000.	/NJD	67.	/N	440.	/NJD	210.	/N	4,300.	/NJD	NT	
Dodecane	µg/l	2,000.	/DN	NT		NT		NT		NT		NT		NT	
Dodecanoic acid	µg/l	NT		NT		NT		NT		NT		NT		NT	
Ethyl Amyl Ketone	µg/l	NT		NT		NT		NT		NT		NT		NT	
Heptadecane	µg/l	2,000.	/DN	NT		NT		NT		NT		NT		NT	
Hexachlorobutadiene	µg/l	180.	/J	ND(20.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U
Hexachloroethane	µg/l	ND(220.)	/U	ND(20.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U	ND(10.)	/UD	ND(2.0)	/U
Hexadecane	µg/l	1,900.	/DN	2,000.	/NJD	NT		NT		NT		NT		NT	
Isophorone	µg/l	610.		370.	/D	350.	/D	95.	/D	290.	/D	440.	/D	ND(2.0)	/U
m-tert-Butylphenol	µg/l	NT		NT		NT		150.	/NJD	NT		NT		NT	
m-Xylene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT		NT		NT		5.8	/N
o-Cresol	µg/l	1,200.		800.	/D	270.	J/D	150.	/D	98.	J	250.	/D	ND(2.0)	/U
Octadecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		62,000.	/NJD	NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	ND(1,100.)	/U	81.	/JD	53.	J	43.	/JD	ND(10.)	UJ/U	11.	/JD	ND(10.)	/U
Pentachloropyridine	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pentadecane	µg/l	2,200.	/DN	NT		NT		NT		NT		NT		NT	
Phenanthrene	µg/l	ND(220.)	/U	11.	/JD	ND(2.0)	/U	ND(10.)	/UD	2.8		2.4	/JD	ND(2.0)	/U
Phenols	µg/l	4,200.		2,700.	/D	1,100.	J/D	230.	/D	110.	J/D	370.	/D	ND(2.0)	/U
Phthalic anhydride	µg/l	NT		NT		NT		NT		NT		NT		NT	
Pyridine, 3,5-dichloro-	µg/l	NT		4,900.	/NJD	NT		NT		NT		NT		NT	
Tetradecane	µg/l	390.	/DN	NT		NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		NT		NT		NT		NT		NT		NT	
Tri(2-chloroethyl)phosphate	µg/l	NT		NT		NT		NT		NT		NT		14.	/N
Tributyl Phosphate	µg/l	NT		NT		NT		NT		99.	/N	2,400.	/NJD	NT	
Undecane	µg/l	NT		NT		NT		NT		NT		NT		NT	
SW8270C-SIM															
Acenaphthylene	µg/l	6.2	J/D	NT		ND(0.55)	/UD	0.16		0.092	J/J	ND(0.10)	/U	ND(0.10)	/U
Benzo(a)anthracene	µg/l	25.	B/D	NT		0.072	B/JD	0.34	/BB	0.095	B,J/J	0.42	/BB	ND(0.01)	U/J
Benzo(a)pyrene	µg/l	10.	B/JD	NT		ND(0.55)	/UD	0.06	/J	ND(0.015)	UJ/J	0.029	/J	ND(0.018)	U/J
Benzo(b)fluoranthene	µg/l	8.4	B/JD	NT		ND(0.55)	/UD	0.18		0.027	J/J	0.25		ND(0.10)	/U
Benzo(ghi)perylene	µg/l	43.	B/D	NT		0.43	B/JD	0.049	/J	ND(0.064)	UJ/J	0.061	/J	ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	4.2	B/JD	NT		ND(0.55)	/UD	0.039	/J	ND(0.015)	UJ/J	0.058	/J	ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	4.7	/JD	NT		2.7	/D	ND(2.0)	/UD	0.78	J/JD	ND(2.0)	/UD	0.075	/J
Chrysene	µg/l	21.	/JD	NT		ND(0.55)	/UD	0.17		0.063	J/J	0.25		ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	3.8	B/JDB	NT		ND(0.55)	/UD	ND(0.10)	/U	ND(0.10)	UJ/U	ND(0.10)	/U	ND(0.10)	/U
Fluoranthene	µg/l	43.	/D	NT		0.10	/JD	0.65		0.53	J	1.8		ND(0.10)	/U
Fluorene	µg/l	77.	/D	NT		0.64	/D	1.7		1.4	J	2.1	/D	ND(0.10)	/U
Indeno(1,2,3-cd)pyrene	µg/l	8.2	B/JDB	NT		ND(0.068)	U/JD	0.011	/J	ND(0.016)	UJ/J	0.024	/J	ND(0.10)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
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	Station Number:	RGPZ-6B		RGPZ-6B		RIMW-3		RIMW-3		RIPZ-8		RIPZ-8		RP-20B	
	Sample Date:	03/02/05		04/18/05		03/03/05		04/18/05		03/03/05		04/18/05		10/19/04	
	Sample Depth (feet):														
	Sample Number:	31494		31671		31495		31669		31496		31672		31360	
	Lab Batch:	0502196		0503829		0502242		0503829		0502242		0503829		0410989	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Naphthalene	µg/l	1,400.	B/D	NT		72.	B/DB	80.	/D	170.	B,J/DB	220.	/D	ND(0.10)	/U
N-Nitrosodiethylamine	µg/l	350.	/D	NT		32.	B/D	170.	/DB	66.	B,J/D	290.	/DB	0.29	
N-Nitrosodimethylamine	µg/l	ND(2.4)	/UD	13.	/D	2.0	/D	1.7	/D	3.3	/D	4.8	/D	ND(0.02)	/U
N-Nitrosodinpropylamine	µg/l	550.	/D	NT		1.9	B/DB	4.4	/D	0.66	J/B	6.3	/D	ND(0.067)	U/JB
N-Nitrosomethylethylamine	µg/l	ND(5.4)	/UD	NT		ND(0.55)	/UD	ND(2.0)	/UD	ND(0.10)	UJ/U	ND(2.0)	/UD	ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	20.	J/D	NT		2.2	/D	ND(2.0)	/UD	0.11	J	ND(2.0)	/UD	1.3	
Pyrene	µg/l	130.	/D	NT		0.10	B/JD	0.56		0.21	B,J	1.2		ND(0.10)	/U
SW8290															
1,2,3,4,6,7,8-HpCDD	pg/l	3,810.		12,700.		143.		602.		NT		277.		NT	
1,2,3,4,6,7,8-HpCDF	pg/l	1,140.		2,040.		21.8	/J	187.		NT		21.	/J	NT	
1,2,3,4,7,8,9-HpCDF	pg/l	569.		963.		10.2	/J	99.1		NT		8.46	/J	NT	
1,2,3,4,7,8-HxCDD	pg/l	3.79		11.1		ND(1.21)	/U	ND(0.707)	/U	NT		ND(2.92)	/U	NT	
1,2,3,4,7,8-HxCDF	pg/l	1,810.		3,260.		35.5		327.		NT		27.1		NT	
1,2,3,6,7,8-HxCDD	pg/l	323.		899.		10.7	/J	18.9	/J	NT		ND(3.79)	/U	NT	
1,2,3,6,7,8-HxCDF	pg/l	170.		338.		7.34	/J	13.3	/J	NT		9.97	/J	NT	
1,2,3,7,8,9-HxCDD	pg/l	13.		88.6		ND(1.23)	/U	ND(1.13)	/U	NT		ND(2.95)	/U	NT	
1,2,3,7,8,9-HxCDF	pg/l	201.		384.		4.54	/J	30.7		NT		ND(1.18)	/U	NT	
1,2,3,7,8-PeCDD	pg/l	10.6		11.4	/J	ND(1.3)	/U	ND(1.09)	/U	NT		ND(2.75)	/U	NT	
1,2,3,7,8-PeCDF	pg/l	475.		1,040.		14.4	/J	85.3		NT		19.2	/J	NT	
2,3,4,6,7,8-HxCDF	pg/l	156.		257.		2.79	/J	9.58	/J	NT		ND(0.937)	/U	NT	
2,3,4,7,8-PeCDF	pg/l	441.		1,190.		13.6	/J	106.		NT		15.7	/J	NT	
2,3,7,8-TCDD	pg/l	104.		132.		13.7		ND(1.07)	/U	NT		5.0	/J	NT	
2,3,7,8-TCDF	pg/l	503.		963.	/F	10.6	/F	82.2	/F	NT		5.02	/J	NT	
Hepta-CDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hepta-CDFs (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hexa-CDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
Hexa-CDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
OCDD	pg/l	74,100.		222,000.		2,180.		12,500.		NT		5,490.		NT	
OCDF	pg/l	5,350.		10,300.		98.3		948.		NT		286.		NT	
PeCDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
PeCDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
TCDD (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	
TCDF (total)	pg/l	NT		NT		NT		NT		NT		NT		NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
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Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E504.1											
1,2 Dibromoethane (EDB)	µg/l	ND(0.01)	/U	**290.**	**/D**	**150.**	**/D**	ND(0.01)	UJ*/U	ND(0.01)	/U
1,2,3 Trichloropropane	µg/l	ND(0.05)	/U	ND(7.0)	/UD	ND(18.)	/UD	ND(0.05)	UJ*/U	ND(0.05)	/U
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	ND(0.01)	/U	**4,800.**	**/D**	**1,100.**	**/D**	ND(0.01)	UJ*/U	ND(0.01)	/U
EPA8081											
Endosulfan II	µg/l	NT		ND(0.50)	/U	ND(38.)	/UD	ND(0.005)	/U	ND(0.005)	/U
Hexachlorobenzene	µg/l	NT		**30.**		ND(150.)	/UD	ND(0.02)	/U	ND(0.02)	/U
EPA8082											
Aroclor-1016	µg/l	NT		ND(20.)	/U	ND(100.)	/UD	ND(0.20)	UJ*/U	ND(0.20)	/U
PCBs	µg/l	NT		ND(20.)	/U	ND(100.)	/UD	ND(0.20)	UJ*/U	ND(0.20)	/U
EPA8141											
Chlorpyrifos	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	/U	ND(0.20)	/U
Dimethoate	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	UJ*/U	ND(0.20)	/U
Disulfoton	µg/l	NT		ND(5.0)	/UD	**9.1**	**/DP**	ND(0.50)	/U	ND(0.50)	/U
Famphur	µg/l	NT		ND(2.0)	/UD	**29.**	**/D**	ND(0.20)	/U	ND(0.20)	/U
Malathion	µg/l	NT		**11.**	**J/D**	**72.**	**/DP**	ND(0.20)	/U	ND(0.20)	/U
Methyl parathion	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	UJ*/U	ND(0.20)	/U
o,o,o-Triethyl phosphorothioate	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	/U	ND(0.20)	/U
Parathion	µg/l	NT		ND(2.0)	/UD	**2.8**	**/D**	ND(0.20)	/U	ND(0.20)	/U
Phorate	µg/l	NT		ND(2.0)	/UD	**5.0**	**/DP**	ND(0.20)	/U	ND(0.20)	/U
Phosmet	µg/l	NT		ND(2.0)	/UD	**340.**	**/DP**	ND(0.20)	UJ*/U	ND(0.20)	/U
Tetraethyl dithiopyrophosphate	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	/U	ND(0.20)	/U
Thionazin	µg/l	NT		ND(2.0)	/UD	ND(1.0)	/UD	ND(0.20)	/U	ND(0.20)	/U
EPA8151											
2,4,5-TP (Silvex)	µg/l	NT		ND(7.0)	/U	ND(35.)	/UD	ND(0.07)	/U	ND(0.07)	/U
2,4,5-Trichlorophenoxyacetic acid	µg/l	NT		ND(9.0)	/U	ND(45.)	/UD	ND(0.09)	/U	ND(0.09)	/U
2,4-D	µg/l	NT		ND(40.)	/U	**1,600.**	**/DP**	ND(0.40)	/U	ND(0.40)	/U
Dichloroprop	µg/l	NT		ND(50.)	/U	ND(250.)	/UD	ND(0.50)	/U	ND(0.50)	/U
MCPP	µg/l	NT		ND(1,000.)	/U	ND(5,000.)	/UD	ND(10.)	UJ*/U	**140.**	
Picloram	µg/l	NT		ND(5.0)	/U	ND(25.)	/UD	ND(0.05)	UJ*/U	ND(0.05)	/U
EPA8330											
1,3,5-Trinitrobenzene	µg/l	NT		ND(38.)	/UD	ND(350.)	/UD	ND(5.0)	/U	ND(5.0)	/U
2-Amino-4,6-DNT	µg/l	NT		ND(38.)	/UD	ND(350.)	/UD	ND(5.0)	/U	ND(5.0)	/U
2-Nitrotoluene	µg/l	NT		ND(38.)	/UD	ND(350.)	/UD	ND(5.0)	/U	ND(5.0)	/U
RDX	µg/l	NT		**8,800.**	**J/D**	**4,500.**	**/D**	ND(5.0)	/U	ND(5.0)	/U
Tetryl	µg/l	NT		**1,100.**	**J/D**	**9,900.**	**/D**	ND(5.0)	/U	ND(5.0)	/U
pCBSA-LC-MS/MS											
p-CBSA	µg/l	NT		**190.**		NT		ND(20.)		NT	
SW8015B-DI											
1-Propanol	µg/l	NT		ND(500.)	UJ/U	ND(2,500.)	/UD	ND(500.)	/U	ND(500.)	/U
2-Methyl-2-propanol	µg/l	NT		**200.**	**J/J**	ND(2,500.)	/UD	ND(500.)	/U	ND(500.)	/U
2-Pentanone	µg/l	NT		**560.**	**J**	**5,600.**	**/D**	ND(500.)	/U	ND(500.)	/U
2-Picoline	µg/l	NT		ND(500.)	UJ/U	ND(2,500.)	/UD	ND(500.)	/U	ND(500.)	/U
Acetone	µg/l	NT		ND(500.)	UJ/U	**30,000.**	**/D**	**480.**	**/J**	ND(500.)	/U
Acetonitrile	µg/l	NT		ND(500.)	UJ/U	ND(2,500.)	/UD	**290.**	**/J**	ND(500.)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Ethylene glycol	µg/l	NT		ND(2,300.)	UJ/JB	ND(25,000.)	/UD	ND(5,000.)	/U	**5,600.**	
Isobutyl alcohol	µg/l	NT		**2,400.**	**J**	**7,400.**	**/D**	ND(500.)	/U	ND(500.)	/U
Isopropanol	µg/l	NT		**46,000.**	**J**	**260,000.**	**/D**	ND(500.)	/U	ND(500.)	/U
Methanol	µg/l	NT		**10,000.**	**J**	**46,000.**	**/D**	ND(500.)	/U	ND(500.)	/U
Methyl Ethyl Ketone	µg/l	NT		ND(500.)	UJ/U	**28,000.**	**/D**	**570.**		ND(500.)	/U
Methyl Isobutyl Ketone	µg/l	NT		ND(500.)	UJ/U	**14,000.**	**/D**	ND(500.)	/U	ND(500.)	/U
n-Nitrosodinbutylamine	µg/l	NT		ND(500.)	UJ/U	ND(2,500.)	/UD	ND(500.)	/U	ND(500.)	/U
Pyridine	µg/l	NT		**1,200.**	**J**	ND(2,500.)	/UD	ND(500.)	/U	ND(500.)	/U
SW8015M											
Diesel Range Organics (C12 - C24)	µg/l	NT		NT		NT		ND(150.)	UJ*/J	**78.**	**/J**
TPH-Motor Oil	µg/l	NT		NT		NT		**110.**	**J*/J**	ND(500.)	/U
SW8260											
1,1 Dichloroethane	µg/l	ND(0.50)	/U	**13,000.**	**/D**	**27,000.**	**/D**	**350.**	**/D**	**300.**	**/D**
1,1 Dichloroethene	µg/l	**2.3**		**920.**	**/JD**	**4,500.**	**/D**	**42.**	**/D**	**130.**	**/D**
1,1,1 Trichloroethane	µg/l	ND(0.50)	/U	**9,500.**	**/D**	**48,000.**	**/D**	**18.**	**/D**	**21.**	**/D**
1,1,2 Trichloroethane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**390.**	**/JD**	ND(2.5)	/UD	ND(2.5)	/UD
1,1,2,2 Tetrachloroethane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
1,2 Dichloroethane	µg/l	ND(0.50)	/U	**9,800.**	**/D**	**10,000.**	**/D**	**7.2**	**/D**	**6.8**	**/D**
1,2 Dichloroethene	µg/l	ND(1.0)	/U			**3,200.**	**/D**	**14.**	**/D**	**22.**	**/D**
1,2 Dichloropropane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**270.**	**/JD**	ND(2.5)	/UD	**3.4**	**/D**
1,2,3-Trichlorobenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**260.**	**/JD**	**1.2**	**/JD**	**1.8**	**/JD**
1,2,4 Trimethylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**2,000.**	**/D**	ND(2.5)	/UD	ND(2.5)	/UD
1,2-Dichloro-1,1,2-trifluoroethane	µg/l	**36.**	**/NJ**	NT		NT		**79.**	**/DN**	NT	
1,2-Dichlorobenzene	µg/l	ND(0.50)	/U	**850.**	**/JD**	**2,700.**	**/D**	**1.5**	**/JD**	**2.0**	**/JD**
1,3 Dichlorobenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**260.**	**/JD**	ND(2.5)	/UD	**0.75**	**/JD**
1,3,5 Trimethylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**570.**	**/D**	ND(2.5)	/UD	ND(2.5)	/UD
1,4 Dichlorobenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	**460.**	**/JD**	**3.2**	**/D**	**4.2**	**/D**
2 Chlorotoluene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
2-Butanol	µg/l	ND(50.)	/U	**520,000.**	**/D**	**320,000.**	**/D**	ND(250.)	R*/UD	ND(250.)	/UD
2-methyl Propanal	µg/l	NT		NT		NT		NT		NT	
3,3,5-Trimethylcyclohexanone	µg/l	ND(2.0)	/U	ND(5,000.)	/UD	**4,100.**	**/D**	ND(10.)	/UD	ND(10.)	/UD
Acetone	µg/l	NT		**180,000.**	**/DN**	**85,000.**	**/D**	NT		NT	
Benzene	µg/l	ND(0.50)	/U	**2,300.**	**/D**	**5,200.**	**/D**	**1.7**	**/JD**	**1.7**	**/JD**
Bromobenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
Bromochloromethane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
Carbon disulfide	µg/l	ND(1.0)	/U	ND(2,500.)	/UD	**1,900.**	**/D**	ND(5.0)	/UD	ND(5.0)	/UD
Carbon Tetrachloride	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
Chlorobenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	**0.90**	**/JD**	**0.95**	**/JD**
Chloroethane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	**14.**	**/D**	**12.**	**/D**
Chloroform	µg/l	ND(0.50)	/U	**17,000.**	**B/D**	**29,000.**	**/D**	**1.8**	**/JD**	**8.8**	**/D**
Chlorotrifluoroethene	µg/l	**4.5**		ND(1,200.)	/UD	**160.**	**/JD**	**6.9**	**/D**	**19.**	**/D**
Cis 1,2 Dichloroethene	µg/l	ND(0.50)	/U	**980.**	**/JD**	**3,200.**	**/D**	**14.**	**/D**	**21.**	**/D**
Cyclohexanone	µg/l	NT		NT		NT		NT		NT	
Dichlorofluoromethane	µg/l	NT		NT		**2,700.**	**/NJD**	**22.**	**/DN**	NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diisopropyl ether	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	240.	/JD	1.8	/JD	2.0	/JD
Dimethyl sulfide	µg/l	NT		1,600.	/DN	1,900.	/NJD	NT		NT	
Ethanol	µg/l	NT		NT		NT		NT		NT	
Ethyl Benzene	µg/l	ND(0.50)	/U	5,000.	/D	17,000.	/D	ND(2.5)	/UD	ND(2.5)	/UD
Ethyl ether	µg/l	NT		NT		NT		NT		NT	
Freon 11	µg/l	0.30	/J	ND(1,200.)	/UD	2,400.	/D	ND(2.5)	/UD	1.3	/JD
Freon 112	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	310.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
Freon 113	µg/l	2.1		ND(1,200.)	/UD	17,000.	/D	260.	/D	720.	/D
Freon 12	µg/l	0.39	/J	ND(1,200.)	/UD	ND(500.)	/UD	2.2	/JD	3.1	/D
Isopropanol	µg/l	NT		1,300,000.	/DN	700,000.	/D	NT		NT	
Isopropylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	330.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
Methyl acetate		ND(5.0)	/U	ND(12,000.)	/UD	ND(5,000.)	/UD	ND(25.)	/UD	ND(25.)	/UD
Methyl Ethyl Ketone		NT		150,000.	/DN	74,000.	/NJD	NT		NT	
Methyl Isobutyl Ketone	µg/l	NT		NT		39,000.	/NJD	NT		NT	
Methyl propyl ether	µg/l	NT		NT		NT		NT		NT	
Methylcyclopentane	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	400.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
Methylene Chloride	µg/l	ND(1.0)	/UB	210,000.	B/D	220,000.	/D	5.2	/D	6.0	/D
Methyl-tert-butyl ether	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	1.2	/JDB
n Propylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	340.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
n-Butylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	170.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
o-Xylene	µg/l	ND(0.50)	/U	3,600.	/D	12,000.	/D	ND(2.5)	/UD	ND(2.5)	/UD
Pentane	µg/l	NT		NT		NT		NT		NT	
Tetrachloroethene	µg/l	ND(0.50)	/U	8,600.	/D	43,000.	/D	11.	/D	25.	/D
Tetrahydrofuran	µg/l	ND(20.)	/U	69,000.	/D	41,000.	/D	ND(100.)	/UD	ND(100.)	/UD
Toluene	µg/l	ND(0.50)	/U	25,000.	/D	62,000.	/D	ND(2.5)	/UD	ND(2.5)	/UD
trans 1,2 Dichloroethene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	ND(500.)	/UD	ND(2.5)	/UD	ND(2.5)	/UD
Trichloroethene	µg/l	0.76		7,700.	/D	19,000.	/D	230.	/D	470.	/D
Trifluoromethylbenzene	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	250.	/JD	ND(2.5)	/UD	ND(2.5)	/UD
Vinyl Chloride	µg/l	ND(0.50)	/U	ND(1,200.)	/UD	1,500.	/D	14.	/D	14.	/D
Xylenes	µg/l	ND(1.0)	/U	20,000.	/D	65,000.	/D	ND(5.0)	/UD	ND(5.0)	/UD
SW8270											
(2,4-Dichlorophenoxy)-Acetic Acid	µg/l	NT		NT		NT		NT		NT	
1,1,2,2 Tetrachloroethane	µg/l	NT		NT		NT		NT		NT	
1,1'-Biphenyl	µg/l	NT		NT		32,000.	/NJD	NT		NT	
1,2,3-Trichlorobenzene	µg/l	NT		NT		NT		NT		NT	
1,2,3-Trimethylbenzene Isomer	µg/l	NT		NT		NT		NT		NT	
1,2,3-Trimethylbenzene	µg/l	NT		NT		NT		NT		NT	
1,2,4 Trimethylbenzene	µg/l	NT		NT		72,000.	/NJD	NT		NT	
1,2,4,5-Tetramethylbenzene	µg/l	NT		NT		77,000.	/NJD	NT		NT	
1,2,4-Trichlorobenzene	µg/l	0.39	/JD	ND(190.)	/U	1,400.	/D	9.2		12.	
1,2-Dichlorobenzene	µg/l	NT		NT		NT		NT		NT	
1,3,5 Trimethylbenzene	µg/l	NT		NT		NT		NT		NT	
1,3,5-Trichlorobenzene	µg/l	NT		NT		NT		NT		NT	
1,3-Dinitrobenzene	µg/l	ND(9.0)	/UD	120.	J/J	ND(500.)	/UD	0.57	/J	ND(10.)	/U

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Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1-Ethyl-3-methylbenzene	µg/l	NT		NT		NT		NT		NT	
1-Ethyl-4-methylbenzene	µg/l	NT		NT		28,000.	/NJD	NT		NT	
2-(1,1-dimethylethyl)-Phenol	µg/l	NT		NT		NT		NT		NT	
2,2,4-Trimethyl- 1,3-pentanediol	µg/l	NT		NT		NT		NT		NT	
2,2,4-trimethyl-3-Carboxyisopr	µg/l	NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	µg/l	ND(9.0)	/UD	ND(940.)	R/U	310.	/JD	ND(10.)	/U	ND(10.)	/U
2,3,4,6-Tetrachloropyridine	µg/l	NT		NT		NT		NT		NT	
2,3,5,6-Tetrachloropyridine	µg/l	NT		NT		NT		NT		NT	
2,3,5-Trichloropyridine	µg/l	NT		NT		NT		NT		NT	
2,3-Dichloropyridine	µg/l	NT		NT		NT		NT		NT	
2,4-Dichlorophenol	µg/l	ND(1.8)	/UD	ND(190.)	R/U	940.	/D	ND(2.0)	/U	ND(2.0)	/U
2,4-Dimethylphenol	µg/l	ND(1.8)	/UD	1,500.	J	1,000.	/D	ND(2.0)	/U	ND(2.0)	/U
2,5-Dichlorobenzenamine	µg/l	NT		NT		NT		NT		NT	
2,5-Dichloropyridine	µg/l	NT		NT		31,000.	/NJD	NT		NT	
2,6-Dichlorophenol	µg/l	ND(9.0)	/UD	ND(940.)	R/U	ND(500.)	/UD	ND(10.)	/U	ND(10.)	/U
2,6-Dichloropyridine	µg/l	NT		NT		NT		NT		NT	
2-Butoxyethanol	µg/l	NT		NT		NT		NT		NT	
2-Chloro-3-Methylpyridine	µg/l	NT		NT		NT		NT		NT	
2-Ethenylnaphthalene	µg/l	NT		NT		NT		NT		NT	
2-Ethylhexanoic acid	µg/l	3.6	/NJD	NT		NT		NT		NT	
2-Methylnaphthalene	µg/l	ND(1.8)	/UD	ND(190.)	/U	780.	/D	ND(2.0)	/U	ND(2.0)	/U
2-Methylnonane	µg/l	NT		NT		38,000.	/NJD	NT		NT	
2-Phenoxy-1,1-biphenyl	µg/l	NT		NT		NT		NT		NT	
2-Phenoxyethanol	µg/l	NT		NT		NT		NT		NT	
3- & 4-Methylphenol	µg/l	ND(1.8)	/UD	2,400.	J	2,100.	/D	ND(2.0)	/U	ND(2.0)	/U
3,3,5-Trimethylcyclohexanone	µg/l	NT		NT		NT		NT		NT	
3,4,5-Trichlorobenzenamine	µg/l	NT		NT		NT		NT		NT	
3,5-Dichloro-Benzenamine	µg/l	NT		NT		NT		NT		NT	
3-Chloropyridine	µg/l	NT		NT		NT		NT		NT	
3-Methylbenzoic acid	µg/l	NT		NT		NT		NT		NT	
4-Chloro-3-methylphenol	µg/l	ND(4.5)	/UD	ND(940.)	R/U	ND(250.)	/UD	ND(10.)	/U	ND(5.0)	/U
4-Methyl-Benzenesulfonamide	µg/l	NT		NT		NT		NT		NT	
6-Chloro-2-pyridinecarboxylic acid	µg/l	NT		NT		NT		NT		NT	
Acetophenone	µg/l	ND(9.0)	/UD	ND(940.)	/U	840.	/D	ND(10.)	/U	ND(10.)	/U
Benzoic acid	µg/l	ND(9.0)	/UD	12,000.	J	6,800.	/D	ND(10.)	/U	ND(10.)	/U
Benzyl alcohol	µg/l	ND(1.8)	/UD	890.	J	510.	/D	ND(2.0)	/U	ND(2.0)	/U
bis(2-Chloroethoxy) methane	µg/l	ND(1.8)	/UD	ND(190.)	/U	ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U
bis(2-Ethylhexyl) phthalate	µg/l	5.7	/DB	700.	J	3,300.	/D	ND(5.0)	/U	5.7	/B
Butyl benzyl phthalate	µg/l	ND(1.8)	/UD	150.	J/J	940.	/D	ND(2.0)	/U	ND(2.0)	/U
Chloro-2-Pyridinecarboxylic Acid	µg/l	NT		NT		NT		NT		NT	
Cyclohexanol	µg/l	NT		NT		110,000.	/NJD	NT		NT	
Cyclohexanone	µg/l	NT		NT		NT		NT		NT	
Decane	µg/l	NT		NT		29,000.	/NJD	NT		NT	
Dibenzofuran	µg/l	ND(1.8)	/UD	ND(190.)	/U	ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dichloroprop	µg/l	NT		NT		NT		NT		NT	
Diethyl phthalate	µg/l	ND(1.8)	/UD	ND(190.)	J/U	ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Dimethyl phthalate	µg/l	ND(1.8)	/UD	**310.**		ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Di-n-butyl phthalate	µg/l	ND(1.8)	/UD	ND(190.)	/U	**220.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
Diphenyl ether	µg/l	NT		NT		**53,000.**	**/NJD**	NT		NT	
Dodecane	µg/l	NT		NT		NT		NT		NT	
Dodecanoic acid	µg/l	NT		NT		**2,500.**	**/NJD**	NT		NT	
Ethyl Amyl Ketone	µg/l	NT		NT		NT		NT		NT	
Heptadecane	µg/l	NT		NT		NT		NT		NT	
Hexachlorobutadiene	µg/l	**0.45**	**/JD**	ND(190.)	/U	ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Hexachloroethane	µg/l	**0.49**	**/JD**	ND(190.)	/U	ND(99.)	/UD	ND(2.0)	/U	ND(2.0)	/U
Hexadecane	µg/l	NT		NT		NT		NT		NT	
Isophorone	µg/l	ND(1.8)	/UD	**3,900.**	**J**	**650.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
m-tert-Butylphenol	µg/l	NT		NT		NT		NT		NT	
m-Xylene	µg/l	NT		NT		**72,000.**	**/NJD**	NT		NT	
Nonanoic acid	µg/l	NT		NT		NT		NT		NT	
o-Cresol	µg/l	ND(1.8)	/UD	**4,900.**	**J**	**2,500.**	**/D**	ND(2.0)	/U	ND(2.0)	/U
Octadecane	µg/l	NT		NT		NT		NT		NT	
o-Xylene	µg/l	NT		NT		NT		NT		NT	
Pentachlorophenol	µg/l	ND(9.0)	/UD	ND(940.)	R/U	ND(500.)	/UD	ND(10.)	/U	ND(10.)	/U
Pentachloropyridine	µg/l	NT		NT		NT		NT		NT	
Pentadecane	µg/l	NT		NT		NT		NT		NT	
Phenanthrene	µg/l	ND(1.8)	/UD	ND(190.)	/U	**92.**	**/JD**	ND(2.0)	/U	ND(2.0)	/U
Phenols	µg/l	ND(1.8)	/UD	**17,000.**	**J/D**	**11,000.**	**/D**	ND(5.5)	U*	**4.5**	
Phthalic anhydride	µg/l	NT		NT		NT		NT		NT	
Pyridine, 3,5-dichloro-	µg/l	NT		NT		NT		NT		NT	
Tetradecane	µg/l	NT		NT		NT		NT		NT	
tetrahydro-1,1-dioxide Thiophene	µg/l	NT		NT		NT		NT		NT	
Tri(2-chloroethyl)phosphate	µg/l	**11.**	**/NJD**	NT		NT		NT		NT	
Tributyl Phosphate	µg/l	NT		NT		NT		NT		NT	
Undecane	µg/l	NT		NT		NT		NT		NT	
SW8270C-SIM											
Acenaphthylene	µg/l	ND(0.10)	/U	ND(0.99)	/UD	ND(7.5)	/UD	ND(0.10)	/U	ND(0.10)	/U
Benzo(a)anthracene	µg/l	**0.0096**	**/J**	**2.0**	**B/D**	**9.3**	**/D**	ND(0.012)	U*/J	**0.0098**	**/J**
Benzo(a)pyrene	µg/l	ND(0.10)	/U	ND(0.99)	/UD	**2.8**	**/JD**	ND(0.10)	/U	ND(0.10)	/U
Benzo(b)fluoranthene	µg/l	ND(0.10)	/U	**0.88**	**/JD**	**0.92**	**/JD**	ND(0.10)	/U	ND(0.10)	/U
Benzo(ghi)perylene	µg/l	**0.011**	**/J**	**0.40**	**/JD**	**2.2**	**/JD**	ND(0.10)	/U	ND(0.10)	/U
Benzo(k)fluoranthene	µg/l	ND(0.10)	/U	**0.62**	**/JD**	**2.7**	**/JD**	ND(0.10)	/U	ND(0.10)	/U
bis(2-Chloroethyl) ether	µg/l	ND(0.10)	/U	**700.**	**/D**	**3.5**	**/JD**	ND(0.10)	UJ*/U	ND(0.10)	/U
Chrysene	µg/l	ND(0.10)	/U	**1.6**	**/D**	**6.4**	**/JD**	ND(0.10)	/U	ND(0.10)	/U
Dibenzo(a,h)anthracene	µg/l	**0.014**	**/J**	**0.18**	**B/JD**	ND(7.5)	/UD	ND(0.10)	/U	ND(0.10)	/U
Fluoranthene	µg/l	ND(0.10)	/U	**6.5**	**/D**	**22.**	**/D**	ND(0.10)	/U	ND(0.10)	/U
Fluorene	µg/l	ND(0.10)	/U	**4.3**	**/D**	**21.**	**/D**	ND(0.10)	/U	ND(0.10)	/U
Indeno(1,2,3-cd)pyrene	µg/l	**0.013**	**/J**	**0.24**	**B/JD**	**0.93**	**/JD**	ND(0.10)	/U	ND(0.10)	/U

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
RI Expanded 14th and 15th RGMEW Events
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Casmalia, California

	Station Number:	RP-20B		Sump 9B		Sump 9B		SW-44		SW-44	
	Sample Date:	03/23/05		11/08/04		04/14/05		10/22/04		04/01/05	
	Sample Depth (feet):										
	Sample Number:	31503		31452		31660		31390		31587	
	Lab Batch:	0502945		0411853		0503746		0411165		0503246	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Naphthalene	µg/l	ND(0.10)	/U	220.	/D	71,000.	/D	ND(0.10)	/U	0.079	/J
N-Nitrosodiethylamine	µg/l	0.45		370.	/D	61,000.	/DB	ND(0.10)	UJ*/U	ND(0.10)	/U
N-Nitrosodimethylamine	µg/l	ND(0.02)	/U	11.	/D	2.7	/D	ND(0.02)	/U	ND(0.02)	/U
N-Nitrosodinpropylamine	µg/l	0.051	/J	300.	/D	22,000.	/D	ND(0.52)	UJ*	ND(0.10)	/UB
N-Nitrosomethylethylamine	µg/l	ND(0.10)	/U	ND(0.99)	/UD	ND(7.5)	/UD	0.031	J*/J	ND(0.10)	/U
n-Nitrosopyrrolidine	µg/l	ND(0.10)	/U	14.	/J	4.6	/JD	ND(0.10)	UJ*/U	ND(0.10)	/U
Pyrene	µg/l	ND(0.10)	/U	4.4	/D	14.	/D	ND(0.10)	/U	ND(0.10)	/U
SW8290											
1,2,3,4,6,7,8-HpCDD	pg/l	NT		16,100.		117,000.		ND(4.22)		ND(3.35)	/U
1,2,3,4,6,7,8-HpCDF	pg/l	NT		3,780.		28,600.		ND(2.06)		ND(1.61)	/U
1,2,3,4,7,8,9-HpCDF	pg/l	NT		842.		6,420.		ND(2.9)		ND(1.87)	/U
1,2,3,4,7,8-HxCDD	pg/l	NT		36.7		463.		ND(5.65)		ND(3.86)	/U
1,2,3,4,7,8-HxCDF	pg/l	NT		1,030.		17,800.		ND(0.676)		ND(1.37)	/U
1,2,3,6,7,8-HxCDD	pg/l	NT		1,010.		8,200.		ND(6.85)		ND(4.61)	/U
1,2,3,6,7,8-HxCDF	pg/l	NT		495.		3,780.		ND(1.45)		ND(1.26)	/U
1,2,3,7,8,9-HxCDD	pg/l	NT		81.		609.		ND(5.81)		ND(3.73)	/U
1,2,3,7,8,9-HxCDF	pg/l	NT		400.		3,070.		ND(2.42)		ND(1.52)	/U
1,2,3,7,8-PeCDD	pg/l	NT		36.4		301.		ND(3.56)		ND(3.28)	/U
1,2,3,7,8-PeCDF	pg/l	NT		1,160.	/*	8,430.		ND(3.5)		ND(2.88)	/U
2,3,4,6,7,8-HxCDF	pg/l	NT		414.		2,910.		ND(1.85)		ND(1.27)	/U
2,3,4,7,8-PeCDF	pg/l	NT		1,040.	/*	8,710.		ND(3.53)		ND(3.12)	/U
2,3,7,8-TCDD	pg/l	NT		96.7	/*	737.		ND(1.68)		ND(2.49)	/U
2,3,7,8-TCDF	pg/l	NT		836.	/*,F	7,710.	/F	ND(1.65)		ND(1.52)	/U
Hepta-CDD (total)	pg/l	NT		25,500.		NT		ND(4.22)		NT	
Hepta-CDFs (total)	pg/l	NT		14,700.		NT		ND(2.9)		NT	
Hexa-CDD (total)	pg/l	NT		3,240.		NT		ND(6.85)		NT	
Hexa-CDF (total)	pg/l	NT		7,890.		NT		ND(2.42)		NT	
OCDD	pg/l	NT		369,000.		2,180,000.		ND(29.7)	U*/J	ND(6.29)	/U
OCDF	pg/l	NT		20,900.		141,000.		ND(7.71)		ND(4.5)	/U
PeCDD (total)	pg/l	NT		237.		NT		ND(3.56)		NT	
PeCDF (total)	pg/l	NT		0.00	/*,D,M	NT		ND(3.57)		NT	
TCDD (total)	pg/l	NT		96.7	/*	NT		ND(1.68)		NT	
TCDF (total)	pg/l	NT		24,900.	/*,D,M	NT		ND(1.65)		NT	

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
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Summary of Analyte Qualifiers Used in this Report

Type	Qualifier	Qualifier Description	Qualifiers are listed as validation qualifier / lab qualifier where applicable (e.g.B/R)
Laboratory Assigned Qualifiers			
Organic	*	Duplicate analysis not within control limits.	
Organic	B	Compound is also detected in the laboratory method blank.	
Organic	D	Compound is identified in an analysis at a secondary dilution factor.	
Organic	J	Result is detected below the reporting limit or is an estimated concentration.	
Organic	M	Duplicate precision not met.	
Organic	U	Compound was analyzed for but not detected.	
MACTEC Validation Assigned Qualifiers			
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

Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
1,1 Dichloroethane	75-34-3	2.000	ug/l
1,1 Dichloroethene	75-35-4	6.000	ug/l
1,1,1 Trichloroethane	71-55-6	200.000	ug/l
1,1,2 Trichloroethane	79-00-5	0.200	ug/l
1,1,2,2 Tetrachloroethane	79-34-5	0.055	ug/l
1,2 Dibromoethane (EDB)	106-93-4	0.006	ug/l
1,2 Dichloroethane	107-06-2	0.120	ug/l
1,2 Dichloropropane	78-87-5	0.160	ug/l
1,2,3 Trichloropropane	96-18-4	0.006	ug/l
1,2,3,4,6,7,8-HpCDD	35822-46-9	0.45	pg/l
1,2,3,4,6,7,8-HpCDF	67562-39-4	0.45	pg/l
1,2,3,4,7,8,9-HpCDF	55673-89-7	0.45	pg/l
1,2,3,4,7,8-HxCDD	39227-28-6	0.45	pg/l
1,2,3,4,7,8-HxCDF	70648-26-9	0.45	pg/l
1,2,3,6,7,8-HxCDD	57653-85-7	0.45	pg/l
1,2,3,6,7,8-HxCDF	57117-44-9	0.45	pg/l
1,2,3,7,8,9-HxCDD	19408-74-3	0.45	pg/l
1,2,3,7,8,9-HxCDF	72918-21-9	0.45	pg/l
1,2,3,7,8-PeCDD	40321-76-4	0.45	pg/l
1,2,3,7,8-PeCDF	57117-41-6	0.45	pg/l
1,2,4 Trimethylbenzene	95-63-6	12.000	ug/l
1,2,4-Trichlorobenzene	120-82-1	5.000	ug/l
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.002	ug/l
1,2-Dichlorobenzene	95-50-1	370.000	ug/l
1,3 Dichlorobenzene	541-73-1	180.000	ug/l
1,3,5 Trimethylbenzene	108-67-8	12.000	ug/l
1,3,5-Trinitrobenzene	99-35-4	1,100.000	ug/l
1,3-Dinitrobenzene	99-65-0	3.600	ug/l
1,4-Dichlorobenzene	106-46-7	0.500	ug/l
2,3,4,6,7,8-HxCDF	60851-34-5	0.45	pg/l
2,3,4,7,8-PeCDF	57117-31-4	0.45	pg/l
2,3,7,8-TCDD	1746-01-6	0.45	pg/l
2,3,7,8-TCDF	51207-31-9	0.45	pg/l
2,4-D	94-75-7	70.000	ug/l
2,4-Dichlorophenol	120-83-2	110.000	ug/l
2,4-Dimethylphenol	105-67-9	730.000	ug/l
2-Nitrotoluene	88-72-2	0.049	ug/l
Acenaphthylene	208-96-8	0.200	ug/l
Acetone	67-64-1	5,500.000	ug/l
Acetonitrle	75-05-8	100.000	ug/l
Benzene	71-43-2	0.350	ug/l
Benzo(a)anthracene	56-55-3	0.092	ug/l
Benzo(a)pyrene	50-32-8	0.009	ug/l
Benzo(b)fluoranthene	205-99-2	0.092	ug/l
Benzo(ghi)perylene	191-24-2	0.200	ug/l
Benzo(k)fluoranthene	207-08-9	0.200	ug/l
bis(2-Chloroethyl) ether	111-44-4	0.010	ug/l
bis(2-Ethylhexyl) phthalate	117-81-7	4.000	ug/l
Bromobenzene	108-86-1	20.000	ug/l
Carbon disulfide	75-15-0	1,000.000	ug/l
Carbon Tetrachloride	56-23-5	0.170	ug/l

Table G-6a. Detected Organic Compounds in the P/S Landfill Area Wells, Upper HSU
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Cleanup Criteria: Casmalia_MCL/PRG_2004

Analyte	Cas Number	MCL/PRG	Units
Chloroethane	75-00-3	4.600	ug/l
Chloroform	67-66-3	0.170	ug/l
Chrysene	218-01-9	0.200	ug/l
Cis 1,2 Dichloroethene	156-59-2	6.000	ug/l
Dibenzo(a,h)anthracene	53-70-3	0.009	ug/l
Disulfoton	298-04-4	1.500	ug/l
Ethyl Benzene	100-41-4	300.000	ug/l
Fluoranthene	206-44-0	0.200	ug/l
Fluorene	86-73-7	0.200	ug/l
Freon 11	75-69-4	150.000	ug/l
Freon 113	76-13-1	1,200.000	ug/l
Hexachlorobenzene	118-74-1	0.042	ug/l
Hexachlorobutadiene	87-68-3	0.860	ug/l
Indeno(1,2,3-cd)pyrene	193-39-5	0.092	ug/l
Isobutyl alcohol	78-83-1	1,800.000	ug/l
Isophorone	78-59-1	71.000	ug/l
Methanol	67-56-1	18,000.000	ug/l
Methyl acetate	79-20-9	6,100.000	ug/l
Methyl Ethyl Ketone	78-93-3	7,000.000	ug/l
Methyl Isobutyl Ketone	108-10-1	2,000.000	ug/l
Methyl parathion	298-00-0	9.100	ug/l
Methylene Chloride	75-09-2	4.300	ug/l
n Propylbenzene	103-65-1	240.000	ug/l
Naphthalene	91-20-3	0.093	ug/l
N-Nitrosodiethylamine	55-18-5	0.00045	ug/l
N-Nitrosodimethylamine	62-75-9	0.001	ug/l
n-Nitrosodinbutylamine	924-16-3	0.002	ug/l
N-Nitrosodinpropylamine	621-64-7	0.010	ug/l
N-Nitrosomethylethylamine	10595-95-6	0.003	ug/l
n-Nitrosopyrrolidine	930-55-2	0.032	ug/l
OCDD	3268-87-9	0.45	pg/l
OCDF	39001-02-0	0.45	pg/l
o-Cresol	95-48-7	1,800.000	ug/l
o-Xylene	95-47-6	210.000	ug/l
PCBs	1336-36-3	0.034	ug/l
Pentachlorophenol	87-86-5	0.560	ug/l
Phenols	108-95-2	11,000.000	ug/l
Pyrene	129-00-0	0.200	ug/l
Pyridine	110-86-1	36.000	ug/l
RDX	121-82-4	0.610	ug/l
Tetrachloroethene	127-18-4	0.100	ug/l
Tetrahydrofuran	109-99-9	1.600	ug/l
Toluene	108-88-3	150.000	ug/l
trans 1,2 Dichloroethene	156-60-5	10.000	ug/l
Trichloroethene	79-01-6	0.028	ug/l
Vinyl Chloride	75-01-4	0.020	ug/l
Xylenes	1330-20-7	210.000	ug/l

Boxed Values: Compound detected at a concentration exceeding criteria.
ND = Not Detected at the specific reporting level in parentheses.
NT: Not analyzed.

Checked: NM

Approved: WC