Table G-21. NAPL Chemistry
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
E504.1													
1,2 Dibromoethane (EDB)	mg/kg	38.	/D	60.	/D	27.	/D	ND(0.35)	/UD	NT		ND(0.35)	/UD
1,2 Dibromoethane (EDB)	µg/l	NT		NT		NT		NT		ND(7.0)	/UD	NT	
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	57.	/D	180.	/D	39.	/D	ND(0.35)	/UD	NT		54.	/D
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	NT		NT		NT		NT		ND(7.0)	/UD	NT	
EPA8081													
Aldrin	mg/kg	48.	/D	29.	/D	56.	/D	15.	/D	NT		ND(3.0)	/UD
Aldrin	µg/l	NT		NT		NT		NT		ND(0.50)	/UD	NT	
Endosulfan II	mg/kg	ND(2.9)	/UD	ND(3.0)	/UD	ND(2.8)	/UD	ND(2.9)	/UD	NT		ND(3.0)	/UD
Endosulfan II	µg/l	NT		NT		NT		NT		29.	/D	NT	
EPA8141													
Chlorpyrifos	mg/kg	ND(4.3)	/UD	7.3	J/D	4.3	/JD	6.9	/D	NT		ND(4.3)	/UD
Chlorpyrifos	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
Diazinon	Checked: NM	ND(4.3)	/UD	ND(5.5)	/UD	ND(5.5)	/UD	3.4	/JD	NT		ND(4.3)	/UD
Diazinon		NT		NT		NT		NT		ND(4.0)	/UD	NT	
Dimethoate	Approved: WC	ND(4.3)	/UD	ND(5.5)	/UD	2.8	/JD	ND(4.3)	/UD	NT		ND(4.3)	/UD
Dimethoate	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
Disulfoton	mg/kg	ND(4.3)	/UD	ND(5.5)	/UD	ND(5.5)	/UD	41.	/D	NT		ND(4.3)	/UD
Disulfoton	µg/l	NT		NT		NT		NT		14.	/D	NT	
Famphur	mg/kg	ND(4.3)	/UD	ND(5.5)	/UD	12.	/D	ND(4.3)	/UD	NT		ND(4.3)	/UD
Famphur	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
Malathion	mg/kg	59.	/D	26.	J/D	100.	/D	ND(4.3)	/UD	NT		40.	/D
Malathion	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
Parathion	mg/kg	ND(4.3)	/UD	ND(5.5)	/UD	ND(5.5)	/UD	20.	/D	NT		ND(4.3)	/UD
Parathion	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
Phorate	mg/kg	4.9	J/D	ND(5.5)	/UD	8.8	/D	ND(4.3)	/UD	NT		4.6	/D
Phorate	µg/l	NT		NT		NT		NT		ND(4.0)	/UD	NT	
EPA8151													
2,4-D	mg/kg	3,300.	/DP	3,300.	/DP	1,500.	/DP	ND(550.)	/UD	NT		ND(550.)	/UD
2,4-D	µg/l	NT		NT		NT		NT		ND(800.)	/UD	NT	
Dichloroprop	mg/kg	ND(550.)	/UD	ND(550.)	/UD	ND(600.)	/UD	ND(550.)	/UD	NT		ND(550.)	/UD
Dichloroprop	µg/l	NT		NT		NT		NT		1,200.	/DP	NT	
SW6010													
Aluminum-T	mg/kg	4.8	/D	8.9	/D	5.1	/D	37.	/D	46.	/D	45.	/D
Arsenic-T	mg/kg	1.6	/D	1.5	/D	0.73	/D	3.4	/D	1.1	/D	5.9	/D
Barium-T	mg/kg	0.033	/JD	0.025	/JD	0.066	/JD	0.14	/JD	0.69	/D	1.5	/D
Calcium-T	mg/kg	6.4	/JD	5.4	/JD	160.	/D	18.	/D	420.	/D	58.	/D

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	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chromium-T	mg/kg	20.	/D	19.	/D	14.	/D	20.	/D	7.6	/D	11.	/D
Cobalt-T	mg/kg	0.80	/JD	0.46	/JD	1.2	/D	1.0	/JD	0.40	/JD	0.66	/JD
Copper-T	mg/kg	1.5	/DB	2.2	/DB	1.4	/DB	1.7	/DB	3.0	/DB	1.1	/DB
Iron-T	mg/kg	920.	/D	1,500.	/D	380.	/D	1,400.	/D	580.	/D	430.	/D
Lead-T	mg/kg	1.4	/D	0.47	/JD	1.2	/D	0.37	/JD	0.36	/JD	0.66	/JD
Magnesium-T	mg/kg	15.	/DB	7.1	/DB	380.	/DB	48.	/DB	120.	/DB	160.	/DB
Manganese-T	mg/kg	0.20	/JD	0.17	/JD	5.6	/D	0.72	/D	0.51	/D	0.86	/D
Molybdenum-T	mg/kg	ND(1.2)	/UD	0.61	/JD	ND(1.2)	/UD	0.68	/JD	ND(1.2)	/UD	0.87	/JD
Nickel-T	mg/kg	3.2	/D	2.7	/D	5.0	/D	8.4	/D	3.4	/D	8.8	/D
Potassium-T	mg/kg	ND(25.)	/UD	ND(25.)	/UD	3.4	/JD	3.6	/JD	10.	/JD	5.0	/JD
Selenium-T	mg/kg	2.7	/D	2.7	/D	1.6	/D	13.	/D	4.9	/D	2.5	/D
Sodium-T	mg/kg	5.8	/JD	2.9	/JD	180.	/D	35.	/D	400.	/D	92.	/D
Vanadium-T	mg/kg	1.3	/D	0.82	/D	0.50	/D	1.1	/D	0.55	/D	1.7	/D
Zinc-T	mg/kg	0.74	/JD	1.3	/D	2.7	/D	2.4	/D	3.0	/D	1.0	/JD
SW7471													
Mercury-T	mg/kg	ND(0.32)	UJ/UD	0.071	J/JD	ND(0.33)	/UD	ND(0.31)	/UD	ND(0.31)	/UD	ND(0.32)	/UD
SW8260													
1,1 Dichloroethane	µg/l	4,500,000.	/D	NT		3,100,000.	/D	2,500,000.	/D	380,000.	/D	3,200,000.	/D
1,1 Dichloroethene	µg/l	460,000.	J/D	280,000.	/D	310,000.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	510,000.	/D
1,1,1 Trichloroethane	µg/l	44,000,000.	/D	43,000,000.	/D	26,000,000.	/D	410,000.	/D	60,000.	/D	25,000,000.	/D
1,2 Dichloroethane	µg/l	700,000.	J/D	660,000.	/D	490,000.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	410,000.	/D
1,2 Dichloroethene	µg/l	31,000.	J/D	25,000.	/D	5,200.	/JD	ND(50,000.)	/UD	ND(10,000.)	/UD	180,000.	/D
1,2,3,4-Tetramethylbenzene	µg/l	NT		NT		100,000.	/DN	NT		NT		340,000.	/DN
1,2,3-Trichlorobenzene	µg/l	150,000.	J/D	210,000.	/D	48,000.	/D	740,000.	/D	130,000.	/D	120,000.	/D
1,2,4 Trimethylbenzene	µg/l	4,000,000.	/D	510,000.	/D	3,300,000.	/D	690,000.	/D	150,000.	/D	3,300,000.	/D
1,2,4,5-Tetramethylbenzene	µg/l	4,700.	/DN	1,600,000.	/DN	3,000.	/DN	460,000.	/DN	55,000.	/DN	3,300.	/DN
1,2-Dichlorobenzene	µg/l	5,100,000.	/D	14,000,000.	/D	3,300,000.	/D	13,000,000.	/D	880,000.	/D	3,600,000.	/D
1,3 Dichlorobenzene	µg/l	210,000.	J/D	250,000.	/D	110,000.	/D	630,000.	/D	120,000.	/D	170,000.	/D
1,3,5 Trimethylbenzene	µg/l	4,000,000.	/D	500,000.	/D	350,000.	/D	680,000.	/D	140,000.	/D	900,000.	/D
1,3-Dichloro-2-methylpropene	µg/l	NT		NT		NT		NT		NT		240,000.	/DN
1,4-Dichlorobenzene	µg/l	370,000.	J/D	350,000.	/D	290,000.	/D	800,000.	/D	140,000.	/D	310,000.	/D
1-Ethyl-2,3-dimethylbenzene	µg/l	NT		NT		350,000.	/DN	NT		80,500.	/DN	NT	
1-Ethyl-2,4-dimethylbenzene	µg/l	NT		3,700.	/DN	NT		20,000.	/DN	NT		4,100.	/DN
1-Ethyl-2-methylbenzene	µg/l	NT		NT		NT		NT		NT		2,600.	/DN
1-Ethyl-3,5-dimethylbenzene	µg/l	160,000.	/DN	NT		NT		NT		NT		NT	
1-Methyl-4-(1-methylethyl)-benzene	µg/l	NT		NT		4,600.	/DN	NT		NT		NT	

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	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1-Phenyl-1-butene	µg/l	NT		NT		150,000.	/DN	NT		NT		430,000.	/DN
2 Chlorotoluene	µg/l	57,000.	J/D	68,000.	/D	38,000.	/D	160,000.	/D	32,000.	/D	58,000.	/D
2,4-Dimethylhexane	µg/l	NT		NT		NT		260,000.	/DN	NT		NT	
2-Ethylcyclobutanone	µg/l	NT		NT		NT		NT		92,000.	/DN	NT	
2-Methyl propanoic acid butyl ester	µg/l	NT		NT		140,000.	/DN	NT		NT		NT	
3-Methylhexane	µg/l	NT		NT		290,000.	/DN	NT		NT		NT	
4-Ethyl-1,2-dimethylbenzene	µg/l	4,800.	/DN	3,700.	/DN	NT		22,000.	/DN	5,100.	/DN	4,500.	/DN
4-Isopropyltoluene	µg/l	23,000.	/D	12,000.	/D	21,000.	/D	31,000.	/D	7,900.	/D	22,000.	/D
Benzene	µg/l	970,000.	J/D	960,000.	/D	820,000.	/D	190,000.	/D	34,000.	/D	850,000.	/D
Bromochloromethane	µg/l	ND(5,000.)	/UD	110,000.	/D	ND(5,000.)	/UD	ND(25,000.)	/UD	ND(5,000.)	/UD	ND(5,000.)	/UD
Carbon disulfide	µg/l	790,000.	J/D	3,100,000.	/D	200,000.	/D	100,000.	/D	12,000.	/D	78,000.	/D
Carbon Tetrachloride	µg/l	180,000.	J/D	4,600,000.	/D	3,100,000.	/D	47,000.	/D	7,300.	/D	2,900,000.	/D
Chloroform	µg/l	8,800,000.	/D	14,000,000.	/D	3,600,000.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	3,300,000.	/D
Chlorotrifluoroethene	µg/l	110,000.	J/D	180,000.	/D	34,000.	/D	ND(25,000.)	/UD	3,600.	/JD	84,000.	/D
Cis 1,2 Dichloroethene	µg/l	31,000.	J/D	25,000.	/D	5,200.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	180,000.	/D
cis-1,3-Dimethylcyclohexane	µg/l	NT		220,000.	/DN	45,000.	/DN	440,000.	/DN	NT		NT	
Diisopropyl ether	µg/l	13,000.	J/D	11,000.	/D	11,000.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	6,000.	/D
Diphenyl ether	µg/l	NT		1,600,000.	/DN	NT		30,000.	/DN	NT		NT	
Ethyl Benzene	µg/l	25,000,000.	/D	31,000,000.	/D	17,000,000.	/D	21,000,000.	/D	1,000,000.	/D	20,000,000.	/D
Ethyl cyclohexane	µg/l	79,000.	/DN	NT		NT		NT		NT		NT	
Freon 11	µg/l	NT		NT		430,000.	/D	ND(25,000.)	/UD	ND(5,000.)	/UD	570,000.	/D
Freon 112	µg/l	280,000.	/D	630,000.	/D	82,000.	/D	1,200,000.	/D	280,000.	/D	260,000.	/D
Freon 113	µg/l	30,000,000.	/D	24,000,000.	/D	15,000,000.	/D	18,000,000.	/D	140,000.	/JD	21,000,000.	/D
Freon 12	µg/l	19,000.	/D	25,000.	/D	3,600.	/JD	ND(25,000.)	/UD	ND(5,000.)	/UD	7,500.	/D
Heptane	µg/l	33,000.	/DN	33,000.	/DN	NT		NT		NT		62,000.	/DN
Hexane	µg/l	19,000.	/DN	10,000.	/DN	45,000.	/DN	280,000.	/DN	220,000.	/DN	48,000.	/DN
Isopropylbenzene	µg/l	200,000.	J/D	85,000.	/D	250,000.	/D	140,000.	/D	31,000.	/D	210,000.	/D
Methyl Ethyl Ketone	µg/l	2,200,000.	J/D	3,100,000.	/D	2,400,000.	/D	ND(1,000,000.)	/UD	ND(200,000.)	/UD	130,000.	/JD
Methyl Isobutyl Ketone	µg/l	3,200,000.	J/D	3,100,000.	/D	3,900,000.	/D	ND(1,000,000.)	/UD	ND(200,000.)	/UD	ND(200,000.)	/UD
Methylcyclohexane	µg/l	79,000.	/DN	54,000.	/DN	NT		570,000.	/DN	160,000.	/DN	130,000.	/DN
Methylcyclopentane	µg/l	280,000.	J/D	140,000.	/D	380,000.	/D	220,000.	/D	53,000.	/D	340,000.	/D
Methylene Chloride	µg/l	25,000,000.	/D	34,000,000.	/D	19,000,000.	/D	150,000.	/D	20,000.	/D	5,800,000.	/D
n Propylbenzene	µg/l	180,000.	J/D	76,000.	/D	220,000.	/D	120,000.	/D	27,000.	/D	180,000.	/D
n-Butylbenzene	µg/l	ND(5,000.)	/UD	ND(5,000.)	/UD	34,000.	/D	32,000.	/D	8,200.	/D	ND(5,000.)	/UD
Nonane	µg/l	NT		NT		NT		NT		42,000.	/DN	NT	
Octane	µg/l	NT		130,000.	/DN	NT		NT		54,000.	/DN	NT	

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	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
o-Xylene	µg/l	12,000,000.	/D	NT		11,000,000.	/D	17,000,000.	/D	960,000.	/D	14,000,000.	/D
Pentane	µg/l	NT		NT		NT		1,800,000.	/DN	1,000,000.	/DN	NT	
Sec-Butylbenzene	µg/l	ND(5,000.)	/UD	ND(5,000.)	/UD	ND(5,000.)	/UD	18,000.	/JD	4,800.	/JD	ND(5,000.)	/UD
Tetrachloroethene	µg/l	68,000,000.	/D	120,000,000.	/D	39,000,000.	/D	120,000,000.	/D	4,300,000.	/D	53,000,000.	/D
Toluene	µg/l	38,000,000.	/D	47,000,000.	/D	38,000,000.	/D	18,000,000.	/D	460,000.	/D	42,000,000.	/D
Trichloroethene	µg/l	10,000,000.	/D	21,000,000.	/D	4,300,000.	/D	2,800,000.	/D	550,000.	/D	8,600,000.	/D
Trifluoromethylbenzene	µg/l	180,000.	J/D	180,000.	/D	65,000.	/D	410,000.	/D	83,000.	/D	200,000.	/D
Unknown Compound	µg/l	NT		NT		140,000.	/DN	NT		NT		NT	
Vinyl Chloride	µg/l	ND(5,000.)	/UD	6,300.	/D	ND(5,000.)	/UD	ND(25,000.)	/UD	ND(5,000.)	/UD	58,000.	/D
Xylenes	µg/l	91,000,000.	/D	66,000,000.	/D	61,000,000.	/D	94,000,000.	/D	5,100,000.	/D	77,000,000.	/D
SW8270													
1,1'-Biphenyl	mg/kg	3,900.	/DN	4,100.	/DN	3,700.	/DN	3,300.	/DN	NT		4,100.	/DN
1,1'-Biphenyl	µg/l	NT		NT		NT		NT		2,800.	/DN	NT	
1,2,3,4-Tetramethylbenzene	mg/kg	NT		3,300.	/DN	NT		NT		NT		NT	
1,2,3-Trimethylbenzene	mg/kg	9,200.	/DN	NT		8,600.	/DN	7,800.	/DN	NT		NT	
1,2,4 Trimethylbenzene	mg/kg	NT		7,200.	/DN	NT		NT		NT		11,000.	/DN
1,2,4 Trimethylbenzene	µg/l	NT		NT		NT		NT		6,100.	/DN	NT	
1,2,4,5-Tetramethylbenzene	mg/kg	5,900.	/DN	2,100.	/DN	5,900.	/DN	3,000.	/DN	NT		NT	
1,2,4-Trichlorobenzene	mg/kg	1,800.	/D	3,200.	/D	450.	/JD	5,900.	/D	NT		1,900.	/D
1,2,4-Trichlorobenzene	µg/l	NT		NT		NT		NT		4,200.	/D	NT	
1-Ethyl-2,3-dimethylbenzene	mg/kg	NT		NT		NT		NT		NT		3,000.	/DN
1-Trifluoroacetoxydecane	mg/kg	NT		NT		3,600.	/DN	NT		NT		3,200.	/DN
2,3,4,6-Tetrachloropyridine	mg/kg	1,900.	/DN	5,100.	/DN	NT		4,200.	/DN	NT		NT	
2,3,4,6-Tetrachloropyridine	µg/l	NT		NT		NT		NT		3,400.	/DN	NT	
2,3,5-Trichloropyridine	µg/l	NT		NT		NT		NT		1,900.	/DN	NT	
2,6,10,14-Tetramethyl Hexadeca	mg/kg	NT		NT		NT		NT		NT		1,500.	/DN
2,6,10,14-TetramethylPentadecane	mg/kg	NT		NT		2,200.	/DN	NT		NT		NT	
2-Phenoxy-1,1-biphenyl	mg/kg	NT		NT		NT		1,900.	/DN	NT		NT	
2-Phenoxy-1,1-biphenyl	µg/l	NT		NT		NT		NT		1,800.	/DN	NT	
4-Ethyl-1,2-dimethylbenzene	mg/kg	3,400.	/DN	2,400.	/DN	6,400.	/DN	2,300.	/DN	NT		3,200.	/DN
bis(2-Ethylhexyl) phthalate	mg/kg	3,800.	/D	3,700.	/D	3,600.	/D	3,400.	/D	NT		4,600.	/D
bis(2-Ethylhexyl) phthalate	µg/l	NT		NT		NT		NT		3,300.	/D	NT	
Butyl benzyl phthalate	mg/kg	850.	/D	470.	/JD	880.	/D	360.	/JD	NT		1,100.	/D
Butyl benzyl phthalate	µg/l	NT		NT		NT		NT		320.	/JD	NT	
Di-n-butyl phthalate	mg/kg	170.	/JD	120.	/JD	220.	/JD	83.	/JD	NT		240.	/JD
Di-n-butyl phthalate	µg/l	NT		NT		NT		NT		ND(400.)	/UD	NT	

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	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Diphenyl ether	mg/kg	5,400.	/DN	8,000.	/DN	5,900.	/DN	7,700.	/DN	NT		6,100.	/DN
Diphenyl ether	µg/l	NT		NT		NT		NT		6,500.	/DN	NT	
Heptadecane	mg/kg	NT		NT		1,400.	/DN	2,100.	/DN	NT		2,100.	/DN
Heptadecane	µg/l	NT		NT		NT		NT		2,100.	/DN	NT	
Hexadecane	mg/kg	1,300.	/DN	1,400.	/DN	1,300.	/DN	1,800.	/DN	NT		1,400.	/DN
Hexadecane	µg/l	NT		NT		NT		NT		1,600.	/DN	NT	
Hexatriacontane	mg/kg	NT		NT		NT		1,800.	/DN	NT		NT	
Isophorone	mg/kg	780.	/D	1,300.	/D	710.	/D	ND(580.)	/UD	NT		ND(590.)	/UD
Isophorone	µg/l	NT		NT		NT		NT		820.	/D	NT	
o-Cresol	mg/kg	ND(590.)	/UD	ND(570.)	/UD	1,000.	/D	ND(580.)	/UD	NT		ND(590.)	/UD
o-Cresol	µg/l	NT		NT		NT		NT		ND(400.)	/UD	NT	
Octadecane	mg/kg	NT		2,800.	/DN	2,300.	/DN	2,500.	/DN	NT		2,800.	/DN
Octadecane	µg/l	NT		NT		NT		NT		2,400.	/DN	NT	
Pentachloropyridine	mg/kg	2,300.	/DN	5,400.	/DN	NT		2,600.	/DN	NT		NT	
Pentachloropyridine	µg/l	NT		NT		NT		NT		2,300.	/DN	NT	
Pentadecane	mg/kg	NT		NT		NT		1,600.	/DN	NT		1,700.	/DN
Pentadecane	µg/l	NT		NT		NT		NT		1,200.	/DN	NT	
Phenols	mg/kg	460.	/JD	500.	/JD	470.	/JD	ND(580.)	/UD	NT		ND(590.)	/UD
Phenols	µg/l	NT		NT		NT		NT		230.	/JD	NT	
Tetradecane	mg/kg	1,600.	/DN	5,500.	/DN	1,200.	/DN	NT		NT		1,500.	/DN
Tributyl Phosphate	mg/kg	2,600.	/DN	NT		2,100.	/DN	NT		NT		4,000.	/DN
Tridecane	mg/kg	NT		NT		NT		NT		NT		3,000.	/DN
Undecane	mg/kg	6,400.	/DN	NT		8,200.	/DN	7,100.	/DN	NT		9,700.	/DN
SW8270C-SIM													
Acenaphthylene	mg/kg	1.4	J/D	ND(0.90)	/UD	ND(0.88)	/UD	3.8	/D	NT		ND(0.90)	/UD
Acenaphthylene	µg/l	NT		NT		NT		NT		3.5	/D	NT	
Benzo(a)anthracene	mg/kg	4.5	J/D	7.3	/D	0.95	/D	1.7	/D	NT		2.1	/D
Benzo(a)anthracene	µg/l	NT		NT		NT		NT		9.5	/D	NT	
Benzo(a)pyrene	mg/kg	2.9	J/D	1.9	J/D	4.2	/D	1.9	/D	NT		3.1	/D
Benzo(a)pyrene	µg/l	NT		NT		NT		NT		1.8	/JD	NT	
Benzo(b)fluoranthene	mg/kg	4.5	J/D	2.4	J/D	4.5	/D	2.2	/D	NT		1.2	/D
Benzo(b)fluoranthene	µg/l	NT		NT		NT		NT		1.7	/JD	NT	
Benzo(ghi)perylene	mg/kg	1.6	J/D	0.67	J/JD	1.5	/D	0.72	/JD	NT		1.6	/D
Benzo(ghi)perylene	µg/l	NT		NT		NT		NT		1.0	/JD	NT	
Benzo(k)fluoranthene	mg/kg	0.99	J/D	0.53	J/JD	2.3	/D	0.79	/JD	NT		5.8	/D
Benzo(k)fluoranthene	µg/l	NT		NT		NT		NT		0.80	/JD	NT	

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	Station Number:	Gallery Well		Gallery Well		GW-P(W)		RGPZ-7C		RGPZ-7D		SUMP 9B-PB	
	Sample Date:	12/16/04		12/16/04		12/16/04		12/16/04		12/16/04		12/16/04	
	Sample Depth (feet):												
	Sample Number:	19131		19132		19136		19134		19135		19133	
	Lab Batch:	0413346		0413346		0413346		0413346		0413346		0413346	
Test Method/Analyte Name	Units	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
bis(2-Chloroethyl) ether	mg/kg	5.3	/D	ND(0.90)	/UD	4.6	/D	ND(0.89)	/UD	NT		ND(0.90)	/UD
bis(2-Chloroethyl) ether	µg/l	NT		NT		NT		NT		1.5	/JD	NT	
Chrysene	mg/kg	7.6	J/D	5.7	/D	12.	/D	9.0	/D	NT		9.2	/D
Chrysene	µg/l	NT		NT		NT		NT		8.9	/D	NT	
Dibenzo(a,h)anthracene	mg/kg	0.76	J/JD	0.47	J/JD	0.75	/JD	0.41	/JD	NT		0.86	/JD
Dibenzo(a,h)anthracene	µg/l	NT		NT		NT		NT		0.38	/JD	NT	
Fluoranthene	mg/kg	24.	/D	14.	J/D	46.	/D	16.	/D	NT		27.	/D
Fluoranthene	µg/l	NT		NT		NT		NT		14.	/D	NT	
Fluorene	mg/kg	36.	/D	23.	/D	50.	/D	52.	/D	NT		42.	/D
Fluorene	µg/l	NT		NT		NT		NT		26.	/D	NT	
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	J/D	0.45	J/JD	1.1	/D	0.51	/JD	NT		1.0	/D
Indeno(1,2,3-cd)pyrene	µg/l	NT		NT		NT		NT		0.54	/JD	NT	
Naphthalene	mg/kg	1,100.	/D	720.	/D	920.	/D	470.	/D	NT		1,100.	/D
Naphthalene	µg/l	NT		NT		NT		NT		370.		NT	
N-Nitrosodiethylamine	mg/kg	270.	/D	310.	/D	220.	/D	360.	/D	NT		280.	/D
N-Nitrosodiethylamine	µg/l	NT		NT		NT		NT		280.		NT	
N-Nitrosodimethylamine	mg/kg	0.15	/JD	0.28	J/D	0.26	/D	0.91	/D	NT		0.24	/D
N-Nitrosodimethylamine	µg/l	NT		NT		NT		NT		9.7	/D	NT	
N-Nitrosodinpropylamine	mg/kg	240.	/D	200.	/D	250.	/D	470.	/D	NT		270.	/D
N-Nitrosodinpropylamine	µg/l	NT		NT		NT		NT		320.	/B	NT	
n-Nitrosopyrrolidine	mg/kg	4.1	J/D	5.4	J/D	3.4	/D	3.7	/D	NT		4.9	/D
n-Nitrosopyrrolidine	µg/l	NT		NT		NT		NT		7.2	/D	NT	
Pyrene	mg/kg	16.	J/D	15.	/D	35.	/D	14.	/D	NT		16.	/D
Pyrene	µg/l	NT		NT		NT		NT		17.	/D	NT	
SW9012													
Cyanide (Free)	mg/kg	0.25	/J	0.54		0.33	/J	ND(0.50)	/U	ND(0.50)	/U	0.25	/J

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Summary of Analyte Qualifiers Used in this Report

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

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

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

NT: Not analyzed.

Checked: NM

Approved: WC