Table 6-4. Comparative analytical results between soil, sediment, groundwater and surface water at the IHNC New Lock Project Site and Federal numerical criteria.
(This list does not include samples in Table 6.1c and Tabe 6.1d; Units are all in ug/kg or ug/l except for RCRA Soil Criteria and metals)

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surekote Road soil low	soil high	water low	water high	IHNC Canal (a) seds CR1-AT	water	elutriate	MRGO Disposal Site (a) seds GR1-AT	water	elutriate	Mississippi River (a) seds AR1-1C	water	elutriate
Pesticides and PCBs, ug/kg or ug/l																	
alpha-BHC					1.00 U	1.00 U	0.03 U	0.03 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
beta--BHC					1.99 U	1.99 U	0.06 U	0.06 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
delta-BHC					2.99 U	2.99 U	0.09 U	0.09 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
gamma-BHC (Lindane)	0.5	4			1.33 U	1.33 U	0.04 U	0.04 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
Heptachlor	0.2	0.006	0.52	0.053	1.00 U	1.00 U	0.03 U	0.03 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
Aldrin	0.04	0.002	3.0	1.3	1.33 U	1.33 U	0.04 U	0.04 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
Heptachlor Epoxide		0.004			1.00 U	1.00 U	0.03 U	0.03 U	5.0 U	.05 U	.05 U	4 U	.05 U	.05 U	3.5 U	.05 U	broken
Endosulfan I	0.002 #	2 #			4.64 U	4.65 U	0.14 U	0.14 U	N	N	N	N	N	N	N	N	broken
Dieldrin	0.04	0.002	2.5	071	0.66 U	0.67 U	0.02 U	0.02 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
4,4'-DDE	0.3 #	0.1 #			1.33 U	1.33 U	0.04 U	0.04 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
Endrin	20	0.2	0.18	0.037	1.99 U	1.99 U	0.06 U	0.06 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
Endosulfan II					1.33 U	1.33 U	0.04 U	0.04 U	N	N	N	N	N	N	N	N	broken
4,4'-DDD	0.3 #	0.1 #			3.65 U	3.66 U	0.11 U	0.11 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
Endosulfan Sulfate					21.9 U	21.9 U	0.66 U	0.66 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
4,4'-DDT	0.3 #	0.1 #			3.98 U	12.6	0.12 U	0.12 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
4,4'-Metoxychlor		100 #		2.1 #	21.7 J	58.5 U	1.76 U	1.76 U	N	N	N	N	N	N	N	N	broken
Endrin Aldehyde					6.63 U	6.65 U	0.20 U	0.20 U	10 U	0.1 U	0.1 U	9 U	0.1 U	0.1 U	6.9 U	0.1 U	broken
Chlordane (Technical)	0.5	0.03	2.4	0.09	4.63 U	4.65 U	0.14 U	0.14 U	5.0 U	0.05	0.05	4 U	0.05	0.05	3.5 U	0.05	broken
Toxaphane	0.6	5	0.73	021	79.6 U	79.6 U	2.40 U	2.40 U	350 U	5.0 U	5.0 U	470 U	5.0 U	5.0 U	350 U	5.0 U	broken
Arochlor-1016	0.09 #	0.005 #	2.0 #	100 #	16.6 U	16.6 U	0.50 U	0.50 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken
Arochlor-1221	0.09 #	0.005 #	2.0 #	100 #	16.6 U	16.6 U	0.50 U	0.50 U	190 U	2.0 U	2.0 U	180 U	2.0 U	2.0 U	135 U	2.0 U	broken
Arochlor-1232	0.09 #	0.005 #	2.0 #	100 #	16.6 U	16.6 U	0.50 U	0.50 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken
Arochlor-1242	0.09 #	0.005 #	2.0 #	100 #	16.6 U	16.6 U	0.50 U	0.50 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken
Arochlor-1248	0.09 #	0.005 #	2.0 #	100 #	16.6 U	16.6 U	0.50 U	0.50 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken
Arochlor-1254	0.09 #	0.005 #	2.0 #	100 #	33.2 U	33.2 U	1.00 U	1.00 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken
Arochlor-1260	0.09 #	0.005 #	2.0 #	100 #	33.2 U	33.2 U	1.00 U	1.00 U	97 U	1.0 U	1.0 U	92 U	1.0 U	1.0 U	67 U	1.0 U	broken

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surekote Road soil low	soil high	water low	water high	IHNC Canal (a) seds CR1-AT	water	elutriate	MRGO Disposal Site (a) seds GR1-AT	water	elutriate	Mississippi River (a) seds AR1-1C	water	elutriate
Chlorinated Herbicides, ug/kg or ug/l																	
2,4-D		100	N	N	33.3 U	33.3 U	0.40 U	0.40 U	N	N	N	N	N	N	N	N	N
2,4,5-TP		10	N	N	12.5 U	12.5 U	0.15 U	0.15 U	N	N	N	N	N	N	N	N	N
2,4,5-T			N	N	13.3 U	13.3 U	0.16 U	0.16 U	N	N	N	N	N	N	N	N	N
Dinoseb			N	N	16.1 U	16.1 U	0.22 U	0.22 U	N	N	N	N	N	N	N	N	N
Dalapon			N	N	216 U	216 U	2.60 U	2.60 U	N	N	N	N	N	N	N	N	N
Dicamba			N	N	13.5 U	13.5 U	0.16 U	0.16 U	N	N	N	N	N	N	N	N	N
2,4-DP (Dichloroprop)			N	N	43.3 U	43.3 U	0.52 U	0.52 U	N	N	N	N	N	N	N	N	N
MCPA			N	N	4160 U	4160 U	50.0 U	50.0 U	N	N	N	N	N	N	N	N	N
MCPP			N	N	3330 U	3330 U	40.0 U	40.0 U	N	N	N	N	N	N	N	N	N

* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30465-30873.
U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; N - Not listed;
(5)@ Trichloroethene, 1,1-Dichloroethene and Tetrachloroethene as Trichloroethylene, 1,1-Dichloroethylene and Tetrachloroethylene, respectively.
** - Chromium as Chromium VI;@@ - Arsenic as Arsenic (III); # - Endosulfan 1 as Endosulfan;# - 4,4'-DDD, -DDT,-DDE as DDD,DDT,DDE; # - Arochlor as Polychlorinated Biphenyls.
(a) - Data source : Hydraulics and Hydrologic Branch, USACE-NOD, (1993)

Table 6-4. Comparative analytical results between soil, sediment, groundwater and surface water at the IHNC New Lock Project Site and Federal numerical criteria.
(This list does not include samples in Table 6.1c and Table 6.1d; Units are all in ug/kg or ug/l except for RCRA Soil Criteria and metals)

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surskote Road soil low	high	water low	high	IHNC Canal (a) sedi CR1-AT	water	elutriate	MRGO Disposal Site (a) sedi GR1-AT	water	elutriate	Mississippi River (a) sedi AR1-1C	water	elutriate
SEMI-VOLATILES, ug/kg or ug/l																	
Base / Neutral Extractable Compounds																	
Benzyl alcohol			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
4-Chloroaniline			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Dibenzofuran			N	N	200	320	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2-Methylnaphthalene			N	N	270	5500	14	690	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2-Nitroaniline			N	N	830 U	4200 U	50 U	50 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
3-Nitroaniline			N	N	830 U	4200 U	50 U	50 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
4-Nitroaniline			N	N	830 U	4200 U	50 U	50 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken

(1) Cannot be Distinguished from Diphenylamine
(2) Cannot Be Distinguished from Azobenzene
* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30655-30673.
U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; N- Not listed;
(5)@ Trichloroethene, 1,1-Dichloroethene and Tetrachloroethene as Trichloroethylene, 1,1-Dichloroethylene and Tetrachloroethylene, respectively.
** - Chromium as Chromium VI;@@ - Arsenic as Arsenic (III); # - Endosulfan 1 as Endosulfan;# - 4,4'-DDD, -DDT-DDE as DDD,DDT,DDE; # - Arochlor as Polychlorinated Biphenyls.
(a) - Data source : Hydraulics and Hydrologic Branch, USACE-NOD, (1993)

Table 6-4. Comparative analytical results between soil, sediment, groundwater and surface water at the IHNC New Lock Project Site and Federal numerical criteria.
(This list does not include samples in Table 6.1c and Table 6.1d; Units are all in ug/kg or ug/l except for RCRA Soil Criteria and metals)

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surekote Road soil low	soil high	water low	water high	IHNC Canal (a) seds CR1-AT	water	elutriate	MRGO Disposal Site (a) seds GR1-AT	water	elutriate	Mississippi River (a) seds AR1-1C	water	elutriate
SEMI-VOLATILES, ug/kg or ug/l																	
Acid Extractable Compounds																	
Phenol	50000	20000	N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2-Chlorophenol	400	200	N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2-Nitrophenol			N	N	170 U	830 U	52	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2,4-Dimethylphenol			N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2,4-Dichlorophenol	200	100	N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
4-Chloro-3-methylphenol			N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2,4,6-Trichlorophenol	40	2	N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2,4-Dinitrophenol	200	70	N	N	170 U	4200 U	50 U	1000 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
4-Nitrophenol			N	N	4200 U	4200 U	50 U	1000 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
4,6-Dinitro-2-methylphenol			N	N	4200 U	4200 U	50 U	1000 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
Pentachlorophenol	2000	1000	20	13	4200 U	4200 U	50 U	1000 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
2-Methylphenol			N	N	170 U	830 U	10 U	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
4-Methylphenol			N	N	170 U	830 U	12	200 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Benzoic acid			N	N	4200 U	4200 U	50 U	1000 U	4700 U	50 U	68 U	4400 U	50 U	68 U	3300 U	50 U	broken
2,4,5-Trichlorophenol	8000	4000	N	N	4200 U	4200 U	50 U	1000 U	970 U	50 U	68 U	920 U	50 U	68 U	670 U	50 U	broken
Chlorinated Hydrocarbons, ug/kg or ug/l																	
1,3-Dichlorobenzene			N	N	82.2 U	83.3 U	2.5 U	2.5 U	N	N	N	N	N	N	N	N	broken
1,4-Dichlorobenzene			N	N	293 U	297 U	8.9 U	8.9 U	N	N	N	N	N	N	N	N	broken
1,2-Dichlorobenzene			N	N	89.8 U	90 U	2.7 U	2.7 U	N	N	N	N	N	N	N	N	broken
Hexachloroethane	80	30	N	N	1.66 U	2.40	0.14	0.28	N	N	N	N	N	N	N	N	broken
1,2,4-Trichlorobenzene	2000	700	N	N	43.2 U	43.2 U	1.3 U	1.3 U	N	N	N	N	N	N	N	N	broken
Hexachlorobutadiene	90	4	N	N	2.11B	31.6B	0.05	0.94	N	N	N	N	N	N	N	N	broken
2-Chloronaphthalene			N	N	428 U	433 U	13 U	13 U	N	N	N	N	N	N	N	N	broken
Hexachlorobenzene			N	N	1.66	167 U	0.07	0.72	N	N	N	N	N	N	N	N	broken

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (mg/l)	1986 EPA Freshwater Criteria (a) (mg/l)	1986 EPA Saltwater Criteria (a) (mg/l)	ByPass Channel / Surekote Road soil low	soil high	water low	water high	IHNC Canal (a) seds CR1-AT	water	elutriate	MRGO Disposal Site (a) seds GR1-AT	water	elutriate	Mississippi River (a) seds AR1-1C	water	elutriate
Metals, mg/kg or mg/l																	
Arsenic	90	0.05	36X@	69@	2.3	26.7	0.022	1.3	9	0.003 U	0.0036	11	0.003	0.003 U	7.7	0.003	0.015
Barium	4000	1			17.6	578	0.59	9.5	530	66	0.14	1700	0.12	0.19	160	0.094	0.15
Cadmium	40	0.01	62	43	1.6	1.8	0.005 U	0.061	1.5 U	0.003 U	0.0003 U	1.4 U	0.003 U	0.0003 U	1.0 U	0.0003	0.0003
Chromium	400**	0.05**	16**	1100**	4.7	144	0.014	1.9	29	0.002 U	0.0033	31	0.002 U	0.022 U	19	0.004	0.017 U
Lead		0.05	137	140	3.2	4690	0.056	26.2	49	0.0033	0.0034	100	0.0067	0.032 U	27	0.0063	0.011
Mercury	20	0.002	24	2.1	0.043	20.8	0.0002	0.0032	0.1 U	N	0.0002	0.3	N	0.0002 U	0.1 U	N	0.00024 U
Selenium		0.01			0.84	1	0.005 U	0.005	0.9 U	0.003 U	0.006 U	0.8 U	0.003 U	0.006 U	0.6 U	0.003 U	0.003 U
Silver	200	0.05	82	2.3	2.9	2.9	0.01	0.05	2.7 U	0.0004 U	0.0004 U	2.4 U	0.0004 U	0.0004 U	1.8 U	0.0004 U	0.0004 U

* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30835-30873.
U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; N - Not listed;
(5)@ Trichloroethene, 1,1-Dichloroethene and Tetrachloroethene as Trichloroethylene, 1,1-Dichloroethylene and Tetrachloroethylene, respectively.
** - Chromium as Chromium VI;@@ - Arsenic as Arsenic (III); # - Endosulfan 1 as Endosulfan;# - 4,4'-DDD, -DDT,-DDE as DDD,DDT,DDE; # - Arochlor as Polychlorinated Biphenyls.
(a) - Data source : Hydraulics and Hydrologic Branch, USACE-NOD, (1993)

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(This list does not include samples in Table 6.1c and Table 6.1d; Units are all in ug/kg or ug/l except for RCRA Soil Criteria and metals)

PARAMETER	RCRA* Soil Criteria (mg/kg)	RCRA* Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surekote Road sol low	ByPass Channel / Surekote Road sol high	ByPass Channel / Surekote Road water low	ByPass Channel / Surekote Road water high	IHNC Canal (a) seds CR1-AT	IHNC Canal (a) water	IHNC Canal (a) elutriate	MRGO Disposal Site (a) seds GR1-AT	MRGO Disposal Site (a) water	MRGO Disposal Site (a) elutriate	Mississippi River (a) seds AR1-1C	Mississippi River (a) water	Mississippi River (a) elutriate
SEMI-VOLATILES, ug/kg or ug/l																	
Base / Neutral Extractable Compounds																	
Benzidine	0.003	0.0002	N	N	170 J	4200 U	50 U	50 U	N	N	N	N	N	N	N	N	broken
bis(2-Chloroethyl)ether		0.03	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
1,3-Dichlorobenzene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
1,4-Dichlorobenzene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
1,2-Dichlorobenzene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
bis(2-Chloroisopropyl)ether			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
N-Nitroso-di-n-propylamine			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Hexachloroethane	80	30	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Nitrobenzene	40	20	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Isophorone	2000	90	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
bis(2-Chloroethoxy)methane		700	N	N	170 J	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
1,2,4-Trichlorobenzene	2000		N	N	170 J	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Naphtalene			N	N	250	1300	47	51	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Hexachlorobutadiene	90	4	N	N	170 J	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Hexachlorocyclopentadiene	600	200	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2-Chloronaphthalene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Dimethylphthalate			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
2,6-Dinitrotoluene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Acenaphthylene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Acenaphthene			N	N	170	2200	10 U	10 U	970 U	10 U	14 U	150	10 U	14 U	670 U	10 U	broken
2,4-Dinitrotoluene			N	N	830 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Diethylphthalate	60000	30000	N	N	26	2300	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
4-Chlorophenyl-phenylether			N	N	830 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Fluorene			N	N	170	980	10 U	10 U	970 U	10 U	14 U	110	10 U	14 U	670 U	10 U	broken
N-Nitrosodiphenylamine (1)	100		N	N	170 U	830 U	10 U	10 U	N	N	N	N	N	N	670 U	N	broken
4-Bromophenyl-phenylether			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Hexachlorobenzene			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Phenanthrene			N	N	160	6700	98	240	970 U	10 U	14 U	480	10 U	14 U	140	10 U	broken
Anthracene			N	N	280	1100	10 U	10 U	970 U	10 U	14 U	120	10 U	14 U	670 U	10 U	broken
Pyrene			N	N	220	8400	10 U	10 U	170	10 U	14 U	1300	10 U	14 U	170	10 U	broken
Di-n-butylphthalate			N	N	2900	3000	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Fluoranthene			N	N	270	9900	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Butylbenzylphthalate	20000	7000	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
3,3'-Dichlorobenzidine	2	0.08	N	N	330 U	1700 U	20 U	20 U	1900 U	20 U	27 U	1800 U	20 U	27 U	670 U	20 U	broken
Benzo(a)anthracene			N	N	250	4900	10 U	10 U	970 U	10 U	14 U	390	10 U	14 U	130	10 U	broken
bis(2-Ethylhexyl)phthalate	50	3	N	N	220	260000	10 U	25	290	1	2	610	1	1	100	1	broken
Chrysene			N	N	220	5900	10 U	10 U	970 U	10 U	14 U	600	10 U	14 U	200	10 U	broken
Di-n-octylphthalate			N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Benzo(b)fluoranthene			N	N	240	6100	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
N-Nitrosodimethylamine			N	N	170 U	830 U	10 U	10 U	N	N	N	N	N	N	N	N	broken
1,2-Diphenylhydrazine (2)		0.04	N	N	170 U	830 U	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Benzo(k)fluoranthene			N	N	220	4200	10 U	10 U	970 U	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Benzo(a)pyrene			N	N	200	5400	10 U	10 U	970 U	10 U	14 U	480	10 U	14 U	86	10 U	broken
Indeno(1,2,3-cd)pyrene			N	N	590	3300	10 U	10 U	970 J	10 U	14 U	280	10 U	14 U	69	10 U	broken
Dibenz(a,h)anthracene			N	N	170	940	10 U	10 U	970 J	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken
Benzo(g,h,i)perylene			N	N	290	3600	10 U	10 U	970 J	10 U	14 U	920 U	10 U	14 U	670 U	10 U	broken

Table 6-4. Comparative analytical results between soil, sediment, groundwater and surface water at the IHNC New Lock Project Site and Federal numerical criteria.
(This list does not include samples in Table 6.1c and Table 6.1d; Units are all in ug/kg or ug/l except for RCRA Soil Criteria and metals)

PARAMETER	RCRA** Soil Criteria (mg/kg)	RCRA** Water Criteria (ug/l)	1986 EPA Freshwater Criteria (a) (ug/l)	1986 EPA Saltwater Criteria (a) (ug/l)	ByPass Channel / Surekote Road soil low	soil high	water low	water high	IHNC Canal (a) seds CF1-AT	water	elutriate	MRGO Disposal Site (a) seds GR1-AT	water	elutriate	Mississippi River (a) seds AR1-1C	water	elutriate
VOLATILES, ug/kg or ug/l																	
Acrolein			N	N	50U	50 U	50 U	50 U	N	N	N	N	N	N	N	N	N
Acrylonitrile	1	0.6	N	N	50U	50 U	50 U	50 U	N	N	N	N	N	N	N	N	N
Chloromethane (Methylene Chloride)			N	N	10U	10 U	10 U	10 U	N	N	N	N	N	N	N	N	N
Bromomethane	100	50	N	N	10U	10 U	10 U	10 U	N	N	N	N	N	N	N	N	N
Vinyl Chloride (Chloroethylene)		2	N	N	10U	10 U	10 U	10 U	N	N	N	N	N	N	N	N	N
Chloroethane			N	N	10 J	99	10 U	140	N	N	N	N	N	N	N	N	N
Methylene Chloride (Dichloromethane)	90	5	N	N	0.6B	300 B	5 U	9 B	N	N	N	N	N	N	N	N	N
1,1-Dichloroethene (1,1-Dichloroethylene)		(7)@	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
1,1-Dichloroethane			N	N	5 U	220	5 U	67	N	N	N	N	N	N	N	N	N
1,2-Dichloroethene (total)	8		N	N	5	8	5 U	5 U	N	N	N	N	N	N	N	N	N
Trichlorofluoromethane			N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Chloroform (trichloromethane, TCM)	100	6	N	N	5 U	35	5 U	5 U	N	N	N	N	N	N	N	N	N
1,2-Dichloroethane (EDC)		5	N	N	5	15	5 U	5 U	N	N	N	N	N	N	N	N	N
1,1,1-Trichloroethane (TCA)	7000	3000	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Carbon Tetrachloride (Tetrachloromethane, TeCM)	5	0.3	N	N	5 L	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Bromodichloromethane	0.5	0.03	N	N	5 L	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
1,2-Dichloropropane	20		N	N	5 L	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
trans-1,3-Dichloropropene			N	N	5 L	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Trichloroethene (Trichloroethylene, TCE)	60	(5)@	N	N	6	47	5 U	5 U	N	N	N	N	N	N	N	N	N
Dibromochloromethane			N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
1,1,2-Trichloroethane	100	6	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Benzene		5	N	N	6	22	5 U	5 U	N	N	N	N	N	N	N	N	N
cis-1,3-Dichloropropene			N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Bromoform (Tribromomethane)	2000	700	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Tetrachloroethene (Tetrachloroethylene)		(0.7)@	N	N	10	89	5 U	5 U	N	N	N	N	N	N	N	N	N
1,1,2,2-Tetrachloroethane	40	2	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Toluene	20000	10000	N	N	5	210	7	20	N	N	N	N	N	N	N	N	N
Chlorobenzene	2000	700	N	N	120	490	5 U	5	N	N	N	N	N	N	N	N	N
Ethylbenzene	8000	4000	N	N	6	3000	7	8	N	N	N	N	N	N	N	N	N
2-Chloroethylvinyl ether (1)			N	N	10 U	10 U	10 U	10 U	N	N	N	N	N	N	N	N	N
1,2-Dichlorobenzene			N	N	98	540	5 U	6	N	N	N	N	N	N	N	N	N
1,3-Dichlorobenzene			N	N	5 U	50	5 U	5 U	N	N	N	N	N	N	N	N	N
1,4-Dichlorobenzene			N	N	19	74	5 U	5 U	N	N	N	N	N	N	N	N	N
Acetone	8000	4000	N	N	6	2900	19	110	N	N	N	N	N	N	N	N	N
Carbon Disulfide	8000	4000	N	N	5	89	5	65	N	N	N	N	N	N	N	N	N
2-Butanone			N	N	12	320	10 U	10 U	N	N	N	N	N	N	N	N	N
Vinyl Acetate			N	N	10 U	10 U	10 U	10 U	N	N	N	N	N	N	N	N	N
2-Hexanone			N	N	21B	49B	10 U	10 U	N	N	N	N	N	N	N	N	N
4-Methyl-2-Pentanone			N	N	10	76	10 U	10 U	N	N	N	N	N	N	N	N	N
Styrene	20000	7000	N	N	5 U	5 U	5 U	5 U	N	N	N	N	N	N	N	N	N
Xylene (total)	200000	70000	N	N	6	24000	6	34	N	N	N	N	N	N	N	N	N

(1) Known to Hydrolyze in Presence of Dilute Acid

* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30665-30673.

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; N - Not listed;

(5)@ Trichloroethene, 1,1-Dichloroethene and Tetrachloroethene as Trichloroethylene, 1,1-Dichloroethylene and Tetrachloroethylene, respectively.

** - Chromium as Chromium VI;@@ - Arsenic as Arsenic (III); # - Endosulfan 1 as Endosulfan;# - 4,4'-DDD, -DDT,DDE as DDD,DDT,DDE; # - Arochlor as Polychlorinated Biphenyls.

(a) - Data source : Hydraulics and Hydrologic Branch, USACE-NOD, (1993)

Table 6.3b Summary of detectable concentration in soil samples, 35-foot deep borings, ByPass Channel Site, IHNC, New Orleans, LA.
(Units are in ug/kg except metals and the 1990 EPA numerical criteria which are in mg/kg)

PARAMETER	FREQUENCY OF DETECTION	RANGE OF DETECTION LIMITS	SOIL, 35-FOOT DEEP BORINGS low	high	RCRA # Soil Criteria (mg/kg)
METALS, mg/kg:					
Arsenic	33 /39	2.2	2.3	9.6	80
Barium	39 /39	0.45, 0.5	17.8	250	4000
Chromium	39 /39		4.7	71.1	400*
Lead	37 /39	2.2, 2.5	3.2	472	
Mercury	38 /39	0.02	0.043	20.8	20
VOLATILES, ug/kg:					
Methylene Chloride (Dichloromethane)	38 /39	5, 25	8 B	84 B	90
Chloroform (trichloromethane, TCM)	1 / 39	5, 25	5 U	35	100
1,2-Dichloroethane (EDC)	2 / 39	5, 25	7	15	
Trichloroethene (Trichloroethylene, TCE)	3 / 39	5, 25	7	16	60
1,1,2-Trichloroethane	1 / 39	5, 25	5 U	5 U	100
Tetrachloroethene (Perchloroethene, TeCE)	1 / 39	5, 25	5 U	8	
Toluene	13 /39	5, 25	5	210	20000
Ethylbenzene	5 / 39	5, 25	6	3000	8000
Acetone	28 /39	10, 50	11	2900	8000
Carbon Disulfide	3 / 39	5, 25	5	33	8000
2-Butanone	13 /39	10, 50	12	320	
Xylene (total)	3 / 39	5, 25	11	24000	200000
SEMI-VOLATILES, ug/kg:					
Base / Neutral Extractable Compounds					
Diethylphthalate	3 / 39	10, 830	26	200	60000
Phenanthrene	1 / 39	10, 830	180	830 U	
Pyrene	1 / 39	10, 830	330	830 U	
Fluoranthene	1 / 39	10, 830	310	830 U	
bis(2-Ethylhexyl)phthalate	5 / 39	10, 830	230	8200	50
Chrysene	1 / 39	10, 830	220	830 U	
Benzo(b)fluoranthene	1 / 39	10, 830	240	830 U	
Benzo(a)pyrene	1 / 39	10, 830	200	830 U	
Dibenzofuran	1 / 39	10, 830	200	830 U	
PESTICIDES & PCBs, ug/kg:					
4,4'-DDT	1 / 13	3.63, 4.00	3.98 U	12.8	2**
4,4' Metoxychlor	1 / 13	53.2, 58.4	21.7 J	58.5 U	

USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30865-30873.
U - Below Quantitation Limit or BQL; B - Detected in Blank; J - Detected below quantitation limit; * Chromium as Chromium VI; ** 4,4'-DDT as DDT

Table 6-3c. Summary of detectable concentration in groundwater samples, ByPass Channel Site, IHNC, New Orleans, LA @
(Units are in ug/l except metals and the 1990 EPA Numerical Criteria which are in mg/l)

PARAMETER	FREQUENCY OF DETECTION	RANGE OF DETECTION LIMITS	GROUNDWATER low	GROUNDWATER high	RCRA # Water Criteria (mg/l)
METALS, mg/l:					
Arsenic	15 / 15	0.005	0.022	1.3	0.05
Barium	15 / 15	0.05	0.59	9.5	1
Cadmium	1 / 15	0.005	0.005 U	0.061	0.01
Chromium	14 / 15	0.01	0.014	1.9	0.05*
Lead	15 / 15	0.25	0.056	28.2	0.05
Mercury	15 / 15	0.0002	0.0002	0.0032	0.002
Selenium	2 / 15	0.005	0.005 U	0.005	0.01
Silver	1 / 15	0.01	0.01	0.05	0.05
VOLATILES, ug/l:					
Chloroethane	1 / 15	10	10 U	140	
Methylene Chloride (Dichloromethane)	2 / 15	5	5 U	9 B	0.005
1,1-Dichloroethane	1 / 15	5	5 U	67	
Benzene	2 / 15	5	5 U	7	0.005
Toluene	3 / 15	5	7	20	10
Chlorobenzene	1 / 15	5	5 U	5	0.7
Ethylbenzene	2 / 15	5	7	8	4
1,2-Dichlorobenzene	1 / 15	5	5 U	6	
Acetone	3 / 15	10	19	110	4
Carbon Disulfide	5 / 15	5	5	65	4
Xylene (total)	3 / 15	5	6	34	70
SEMI-VOLATILES, ug/l:					
Base / Neutral Extractable Compounds					
Naphtalene	2 / 15	10, 200	47	51	
Phenanthrene	2 / 15	10, 200	98	240	
bis(2-Ethylhexyl)phthalate	1 / 15	10, 200	10 U	25	0.003
2-Methylnaphthalene	4 / 15	10, 200	14	690	
Acid Extractable Compounds					
2-Nitrophenol	1 / 15	10, 200	52	200 U	
4-Methylphenol	1 / 15	10, 200	12	200 U	
CHLORINATED HYDROCARBONS, ug/l:					
Hexachloroethane	3 / 15	0.05	0.14	0.28	.03
Hexachlorobutadiene	5 / 15	0.05	0.05	0.94	0.004
Hexachlorobenzene	3 / 15	0.05	0.07	0.72	

@ - Does not include Phase 2 samples (IC-2W, IC-3W, IC-SW-5P, IC-SW-2P) & Phase 1 UST/AST samples (IC-BW-1, IC-MW-2, IC-DW-2, IC-DW-3); # USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30865-30873.
U - Below Quantitation Limit or BQL; B - Detected in Blank; J - Detected below quantitation limit; * Chromium as Chromium VI

Table 6.3a Summary of detectable concentration in soil samples, shallow borings, ByPass Channel Site, IHNC, New Orleans, LA @
(Units are in ug/kg except metals and the 1990 EPA numerical criteria which are in mg/kg) CONT'D :

PARAMETER	FREQUENCY OF DETECTION	RANGE OF DETECTION LIMITS	SOIL, SHALLOW BORINGS low	high	RCRA # Soil Criteria (mg / kg)
SEMI-VOLATILES, ug/kg:					
Base / Neutral Extractable Compounds					
Benzidine	1 / 37	250, 17000	170 J	4200 U	0.003
Naphtalene	5 / 37	50, 3300	250	1300	
Acenaphthene	1 / 37	50, 3300	170	2200	
Diethylphthalate	1 / 37	50, 3300	830 U	2300	60000
Fluorene	5 / 37	50, 3300	170	980	
Phenanthrene	16 / 37	50, 3300	210	6700	
Anthracene	4 / 37	50, 3300	280	1100	
Pyrene	9 / 37	50, 3300	220	8400	
Di-n-butylphthalate	2 / 37	50, 3300	2900	3000	8000
Fluoranthene	8 / 37	50, 3300	270	9900	
Benzo(a)anthracene	6 / 37	50, 3300	250	4900	
bis(2-Ethylhexyl)phthalate	6 / 37	50, 3300	220	260000	50
Chrysene	5 / 37	50, 3300	810	5900	
Benzo(b)fluoranthene	6 / 37	50, 3300	170 U	6100	
Benzo(k)fluoranthene	5 / 37	50, 3300	220	4200	
Benzo(a)pyrene	6 / 37	50, 3300	770	5400	
Indeno(1,2,3-cd)pyrene	6 / 37	50, 3300	590	3300	
Dibenz(a,h)anthracene	4 / 37	50, 3300	170	940	
Benzo(g,h,i)perylene	6 / 37	50, 3300	290	3600	
Dibenzofuran	1 / 37	50, 3300	170 U	320	
2-Methylnaphthalene	3 / 37	50, 3300	270	5500	
CHLORINATED HYDROCARBONS, ug/kg:					
1,2-Dichlorobenzene	1 / 34	89.6, 90	89.8 U	90 U	
Hexachloroethane	5 / 34	1.66, 1.67	1.66 U	2.4	80
Hexachlorobutadiene	3 / 34	1.66, 1.67	2.11 B	31.6 B	90
Hexachlorobenzene	2 / 34	1.64, 1.67	1.66	1.67 U	

@ Does not include samples from Table 6.1c (Fuel Tanks) and Table 6.1d (Oil-saturated soils).
# USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30865-30873.
U - Below Quantitation Limit or BQL; B - Detected in Blank; J - Detected below quantitation limit; * - Chromium as Chromium VI

Table 6.3a Summary of detectable concentration in soil samples, shallow borings, ByPass Channel Site, IHNC, New Orleans, LA @
(Units are in ug/kg except metals and the 1990 EPA numerical criteria which are in mg/kg)

PARAMETER	FREQUENCY OF DETECTION	RANGE OF DETECTION LIMITS	SOIL, SHALLOW BORINGS low	SOIL, SHALLOW BORINGS high	RCRA # Soil Criteria (mg / kg)
METALS, mg/kg:					
Arsenic	39 / 40	2.3	3.4	26.7	80
Barium	40 / 40		49.9	578	4000
Chromium	40 / 40	0.45, 2.5	4.7	144	400*
Lead	40 / 40		9.5	4690	
Mercury	40 / 40	0.02	0.046	1.5	20
Selenium	38 / 40	0.4, 4.8	0.84	2.4	
Silver	2 / 40	0.01, 4.9	2.3	4.4	200
VOLATILES, ug/kg:					
Chloroethane	1 / 37	10, 50	10 U	99	
Methylene Chloride (Dichloromethane)	21 /37	5, 25	0.6 B	300 B	90
1,1-Dichloroethane	1 / 37	5, 25	5 J	220	
1,2-Dichloroethene (total)	2 / 37	5, 25	5	8	8
1,2-Dichloroethane (EDC)	4 / 37	5, 25	5	9	
Trichloroethene (Trichloroethylene, TCE)	12 / 37	5, 25	6	47	60
Benzene	3 / 37	5, 25	6	22	
Tetrachloroethene (Perchloroethene, TeCE)	6 / 37	5, 25	10	89	
Toluene	23 / 37	5, 25	1.93	189	20000
Chlorobenzene	4 / 37	5, 25	120	490	2000
Ethylbenzene	10 / 37	5, 25	6	180	8000
1,2-Dichlorobenzene	3 / 37	5, 25	98	540	
1,3-Dichlorobenzene	1 / 37	5, 25	5 U	50	
1,4-Dichlorobenzene	2 /37	5, 25	19	74	
Acetone	29 / 37	10, 50	6	1000	8000
Carbon Disulfide	7 / 37	5, 25	32	89	8000
2-Butanone	12 / 37	10, 50	15	56	
2-Hexanone	2 / 37	10, 50	21 B	49 B	
4-Methyl-2-Pentanone	2 / 37	10, 50	10	76	
Xylene (total)	21 / 37	5, 25	6	2500	200000

@ Does not include samples from Table 6.1c (Fuel Tanks) and Table 6.1d (Oil-saturated soils).
# USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register 27 July 1990, v.55, n.145, pp 30865-30873.
U - Below Quantitation Limit or BQL; B - Detected in Blank; J - Detected below quantitation limit; * - Chromium as Chromium VI

Table 6-2. Summary of analytcal results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
Festicides and PCBs, ug/l												
alpha-BHC	NA	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA
beta-BHC	NA	NA	0.06 U	NA	NA	NA	0.06 U	NA	NA	NA	NA	NA
delta-BHC	NA	NA	0.09 U	NA	NA	NA	0.09 U	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	NA	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA
Heptachlor	NA	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA
Aldrin	NA	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NA	NA
Dieldrin	NA	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA
Endrin	NA	NA	0.06 U	NA	NA	NA	0.06 U	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA
4,4'-DDD	NA	NA	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	0.66 U	NA	NA	NA	0.66 U	NA	NA	NA	NA	NA
4,4' DDT	NA	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
4,4'- Methoxychlor	NA	NA	1.76 U	NA	NA	NA	1.76 U	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA
Chlordane (technical)	NA	NA	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NA	NA
Toxaphene	NA	NA	2.40 U	NA	NA	NA	2.40 U	NA	NA	NA	NA	NA
Arochlor-1016	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA
Arochlor-1221	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA
Arochlor-1232	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA
Arochlor-1242	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA
Arochlor-1248	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA
Arochlor-1254	NA	NA	1.00 U	NA	NA	NA	1.00 U	NA	NA	NA	NA	NA
Arochlor-1260	NA	NA	1.00 U	NA	NA	NA	1.00 U	NA	NA	NA	NA	NA

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
Chlorinated Herbicide, ug/l												
2,4-D	NA	NA	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TD	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	NA	NA	0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	NA	NA	2.60 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	NA	NA	0.16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DP (Dichlorprop)	NA	NA	0.52 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCPA	NA	NA	50.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCPP	NA	NA	40.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field contro samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and di-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
Pesticides and PCBs, ug/l													
alpha-BHC	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NC	NA	NA	NA
beta-BHC	NA	0.06 U	NA	NA	NA	0.06 U	NA	NA	NA	NC	NA	NA	NA
delta-BHC	NA	0.09 U	NA	NA	NA	0.09 U	NA	NA	NA	NC	NA	NA	NA
gamma-BHC (Lindane)	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NC	NA	NA	NA
Heptachlor	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NC	NA	NA	NA
Aldrin	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NC	NA	NA	NA
Heptachlor Epoxide	NA	0.03 U	NA	NA	NA	0.03 U	NA	NA	NA	NC	NA	NA	NA
Endosulfan I	NA	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NC	NA	NA	NA
Dieldrin	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NC	NA	NA	NA
4,4'-DDE	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NC	NA	NA	NA
Endrin	NA	0.06 U	NA	NA	NA	0.06 U	NA	NA	NA	NC	NA	NA	NA
Endosulfan II	NA	0.04 U	NA	NA	NA	0.04 U	NA	NA	NA	NC	NA	NA	NA
4,4'-DDD	NA	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NC	NA	NA	NA
Endosulfan Sulfate	NA	0.66 U	NA	NA	NA	0.66 U	NA	NA	NA	NC	NA	NA	NA
4,4' DDT	NA	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NC	NA	NA	NA
4,4'- Methoxychlor	NA	1.76 U	NA	NA	NA	1.76 U	NA	NA	NA	NC	NA	NA	NA
Endrin Aldehyde	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA	NA	NC	NA	NA	NA
Chlordane (technical)	NA	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NC	NA	NA	NA
Toxaphene	NA	2.40 U	NA	NA	NA	2.40 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1016	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1221	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1232	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1242	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1248	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1254	NA	1.00 U	NA	NA	NA	1.00 U	NA	NA	NA	NC	NA	NA	NA
Arochlor-1260	NA	1.00 U	NA	NA	NA	1.00 U	NA	NA	NA	NC	NA	NA	NA

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
Chlorinated Herbicide, ug/l													
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
2,4,5-TD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
Dalapon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
Dicamba	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
2,4-DP (Dichlorprop)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
MCPA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
MCPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in C-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
SEMI-VOLATILES, ug/l:												
Acid Extractable Compounds												
Phenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2-Chlorophenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2-Nitrophenol	200 U	52	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,4-Dimethylphenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,4-Dichlorophenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
4-Chloro-3-methylphenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,4,6-Trichlorophenol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,4-Dinitrophenol	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
4-Nitrophenol	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
4,6-Dinitro-2-methylphenol	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
Pentachlorophenol	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
2-Methylpherol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
4-Methylpherol	200 U	50 U	NA	12	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzoic acid	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
2,4,5-Trichlorophenol	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
Chlorinated Hydrocarbons, ug/l												
1,3-Dichlorobenzene	2.5 U	2.5 U	NA	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	83.2 U	2.5 U
1,4-Dichlorobenzene	8.9 U	8.9 U	NA	8.9 U	NA	NA	8.9 U	8.9 U	8.9 U	8.9 U	296 U	8.9 U
1,2-Dichlorobenzene	2.7 U	2.7 U	NA	2.7 U	NA	NA	2.7 U	2.7 U	2.7 U	2.7 U	89.9 U	2.7 U
Hexachloroethane	0.05 U	0.05 U	NA	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	1.66U	0.05 U
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.05 U	0.06	NA	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	1.66 U	0.05 U
2-Chloronaphthalene	13 U	13 U	NA	13 U	NA	NA	13 U	13 U	13 U	13 U	432 U	13 U
Hexachlorobenzene	0.05 U	0.05 U	NA	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	1.66 U	0.05 U

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
Metals, mg/l												
Arsenic	0.26	1.3	NA	0.046	0.25 U	NA	0.005 U	0.005 U	0.005 U	0.046	2.5 U	NA
Barium	6.3	9.5	NA	0.59	0.36	NA	0.050 U	0.05 U	0.05 U	4.3	35.8	NA
Cadmium	0.025 U	0.025 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.50 U	NA
Chromium	0.19	0.050 U	NA	0.19	0.017	NA	0.0100 U	0.01 U	0.01 U	0.10	3.9	NA
Lead	1.1	0.54	NA	0.58	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.51	3.0	NA
Mercury	0.0022	0.0005	NA	0.0012	0.0007	NA	0.0002	0.0006	0.001	0.0017	0.21	NA
Selenium	0.005	0.005 U	NA	0.005 U	0.27 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	2.5 U	NA
Silver	0.05	0.050 U	NA	0.01 U	0.01 U	NA	0.010 U	0.010 U	0.01 U	0.01 U	0.95 U	NA
Calcium	NA	NA	153	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Crleans, Louisiana (CONT'D) :

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
SEMI-VOLATILES, ug/l:													
Acid Extractable Compounds													
Phenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2-Chlorophenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2-Nitrophenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2,4-Dimethylphenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2,4-Dichlorophenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
4-Chloro-3-methylphenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2,4,6-Trichlorophenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
2,4-Dinitrophenol	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U
4-Nitrophenol	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U
4,6-Dinitro-2-methylphenol	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U
Pentachlorophenol	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U
2-Methylphenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
4-Methylphenol	50 U	50 U	50 U	200 U	10U	10 U	10 U	10 U	10 U	NC	10U	10 U	10 U
Benzoic acid	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U
2,4,5-Trichlorophenol	250 U	250 U	250 U	1000 U	50U	50 U	50 U	50 U	50 U	NC	50U	50 U	50 U

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
Chlorinated Hydrocarbons, ug/l													
1,3-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NC	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	NC	8.9 U	8.9 U	8.9 U
1,2-Dichlorobenzene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	NC	2.7 U	2.7 U	2.7 U
Hexachloroethane	0.05 U	0.2	0.05 U	0.05 U	0.14	0.28	0.05 U	0.05 U	0.05 U	NC	0.05 U	0.05 U	0.05 U
1,2,4-Trichlorobenzene	1.3 U	NA	1.3 U	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
Hexachlorobutadiene	0.05 U	0.61	0.05 U	0.05 U	0.46	0.94	0.05	0.05 U	0.05 U	NC	0.07	0.05 U	0.05 U
2-Chloronaphthalene	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	NC	13 U	13 U	13 U
Hexachlorobenzene	0.05 U	0.05 U	0.11	0.07	0.05 U	0.72	0.05 U	0.05 U	0.05 U	NC	0.05 U	0.05 U	0.05 U

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
Metals, mg/l													
Arsenic	0.15	0.041	0.026	0.026	0.022	0.034	0.051	0.15	0.13	14	0.1	0.07	0.18
Barium	0.74	1.4	0.8	2.7	17	1.3	3	1.1	0.65	51	1.5	7.9	2.8
Cadmium	0.005 U	.005 U	0.025 U	0.025 U	0.025 U	0.025 U	0.005 U	0.005 U	0.005 U	NC	0.005 U	0.061	0.005 U
Chromium	0.014	0.13	0.28	0.054	0.19	0.088	0.099	0.037	0.032	14	0.055	1.9	0.15
Lead	0.056	3.1	0.6	0.72	1.6	0.54	0.087	0.12	0.082	38	0.097	28.2	0.16
Mercury	0.0009	0.0032	0.0004	0.0003	0.0018	0.0007	0.002	0.0006	0.0014	80	0.002	0.05	0.0006
Selenium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NC	0.005	0.005 U	0.005 U
Silver	0.010 U	0.010 U	0.050 U	0.050 U	0.050 U	0.050 U	0.01 U	0.01 U	0.010 U	NC	0.01	0.050 U	0.01 U
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) anc oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-SW-8	IC-SW-7	IC-TW-1	IC-TW-3	IC-2W1	IC-3-W	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
SEMI-VOLATILES, ug/l:												
Base/Neutral Extractable Compounds												
Dibenzofuran	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2-Methylnaphthalene	250	260	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2-Nitroaniline	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
3-Nitroaniline	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
4-Nitroaniline	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
(1) Cannot be Distinguished from Diphenylamin												
(2) Cannot be Distinguished from Azobenzene												

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA -Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-W-5) - Duplicate Sample of IC-W-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseate)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
SEMI-VOLATILES, ug/l:												
Base/Neutral Extractable Compounds												
Benzidine	1000 U	250 U	NA	50 U	NA	NA	50 U	50 U	50 U	50 U	830 U	50 U
bis(2-Chloroethyl)ether	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
1,3-Dichlorobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
1,4-Dichlorobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
1,2-Dichlorobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
bis(2-Chloroisopropyl)ether	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
N-Nitroso-di-n-propylamine	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Hexachloroethane	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Nitrobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Isophorone	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
1,2,4-Trichlorobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Naphtalene	200 U	51	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Hexachlorobutadiene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Hexachlorocyclopentadiene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2-Chloronaphthalene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Dimethylphthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,6-Dinitrotoluene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Acenaphthylene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Acenaphthene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
2,4-Dinitrotoluene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Diethylphthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
4-Chlorophenyl-phenylether	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Fluorene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
N-Nitrosodiphenylamine (1)	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
4-Bromophenyl-phenylether	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Hexachlorobenzene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Phenanthrene	200 U	98	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Anthracene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Pyrene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Di-n-butylphthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Fluoranthene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Butylbenzylphthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
3,3'-Dichlorobenzidine	400 U	100 U	NA	20 U	NA	NA	20 U	20 U	20 U	20 U	330 U	20 U
Benzo(a)anthracene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
bis(2-Ethylhexyl)phthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10	10 U	170 U	10 U
Chrysene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Di-n-octylphthalate	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzo(b)fluoranthene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
N-Nitrosodimethylamine	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
1,2-Diphenylhydrazine (2)	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzo(k)fluoranthene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzo(a)pyrene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Indeno(1,2,3-cd)pyrene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Dibenz(a,h)anthracene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzo(g,h,i)perylene	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
Benzyl alcohol	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U
4-Chloroaniline	200 U	50 U	NA	10 U	NA	NA	10 U	10 U	10 U	10 U	170 U	10 U

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D):

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
SEMI-VOLATILES, ug/l:													
Base/Neutral Extractable Compounds													
Dibenzofuran	50 U	50 U	50 U	200 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
2-Methylnaphthalene	50 U	50 U	50 U	690	10 U	10 U	14	10 U	10 U	NC	10 U	10 U	10 U
2-Nitroaniline	250 U	250 U	250 U	1000 U	50 U	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U
3-Nitroaniline	250 U	250 U	250 U	1000 U	50 U	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U
4-Nitroaniline	250 U	250 U	250 U	1000 U	50 U	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U

(1) Cannot be Distinguished from Diphenylamin e

(2) Cannot be Distinguished from Azobenzene

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-W-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); C-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D) :

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-BW-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
SEMI-VOLATILES, ug/l:													
Base/Neutral Extractable Compounds													
Benzidine	250 U	250 U	250 U	1000 U	50 U	50U	50 U	50 U	50 U	NC	50 U	50U	50 U
bis(2-Chloroethyl)ether	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
1,3-Dichlorobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
1,4-Dichlorobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
1,2-Dichlorobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
bis(2-Chloroisopropyl)ether	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
N-Nitroso-di-n-propylamine	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Hexachloroethane	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Nitrobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Isophorone	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
1,2,4-Trichlorobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Naphtalene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	47	10 U
Hexachlorobutadiene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Hexachlorocyclopentadiene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
2-Chloronaphthalene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Dimethylphthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
2,6-Dinitrotoluene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Acenaphthylene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Acenaphthene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
2,4-Dinitrotoluene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Diethylphthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
4-Chlorophenyl-phenylether	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Fluorene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
N-Nitrosodiphenylamine (1)	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
4-Bromophenyl-phenylether	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Hexachlorobenzene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Phenanthrene	50 U	50 U	50 U	240	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Anthracene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Pyrene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Di-n-butylphthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Fluoranthene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Butylbenzylphthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
3,3'-Dichlorobenzidine	100 U	100 U	100 U	400 U	20 U	20U	20 U	20 U	20 U	NC	20 U	20U	20 U
Benzo(a)anthracene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
bis(2-Ethylhexyl)phthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	25B	10 U
Chrysene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Di-n-octylphthalate	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Benzo(b)fluoranthene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
N-Nitrosodimethylamine	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
1,2-Diphenylhydrazine (2)	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Benzo(k)fluoranthene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Benzo(a)pyrene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Indeno(1,2,3-cd)pyrene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Dibenz(a,h)anthracene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Benzo(g,h,)perylene	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
Benzyl alcohol	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U
4-Chloroaniline	50 U	50 U	50 U	200 U	10 U	10U	10 U	10 U	10 U	NC	10 U	10U	10 U

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, New Orleans, Louisiana (CONT'D)

PARAMETER	IC-SW-6	IC-SW-7	IC-TW-1	IC-TW-3	IC-2-W1	IC-3-W1	TB (Trip Blank)	IC-DW-4R (Rinseats)	IC-6-TW	IC-6-DF1	IC-6-DF2 # (ug/kg)	IC-RO-1
VOLATILES, ug/l:												
Acrolein	50 U	50 U	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acrylonitrile	50 U	50 U	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloromethane (Methyl Chloride)	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride (Chloroethylene)	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	140	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride (Dichloromethane)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	48 B	5 B
1,1-Dichloroethene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	67	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform (Trichloromethane)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	19	5 U	5 U	5 U
1,2-Dichloroethane (EDC)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	91	5 U
Carbon Tetrachloride (Tetrachloromethane)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene (Trichloroethylene, TCE)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	6	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	54	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform (Tribromomethane)	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	9	NA	5 U	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	NA	7	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinyl ether (1)	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	5 U	6	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	42	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	27	18
Carbon Disulfide	18	5	NA	17	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Acetate	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5 U	5 U	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	19	NA	5 U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

(1) Known to Hydrolyze in Presence of Dilute Acl

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) anc oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6-2. Summary of analytical results, Groun dwater Samples: By Pass Channel Site, IHNC, NewOrleans, Louisiana (CONT'D):

PARAMETER	IC-BW-2	IC-BW-5	IC-BW-6	IC-BW-7	IC-3W-8	IC-BW-9	IC-MW-3	IC-IW-5	IC-IW-6 (DUP IC-IW-5)*	RPD	IC-DW-4	IC-DW-5	IC-SW-2
VOLATILES, ug/l:													
Acrolein	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U
Acrylonitrile	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U
Chloromethane (Methyl Chloride)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Vinyl Chloride (Chloroethylene)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Methylene Chloride (Dichloromethane)	5 U	5 U	9 B	9 B	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Trichlorofluoromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Chloroform (Trichloromethane)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,2-Dichloroethane (EDC)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Carbon Tetrachloride (Tetrachloromethane)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Trichloroethene (Trichloroethylene, TCE)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	7	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Bromoform (Tribromomethane)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Toluene	5 U	5 U	7	20	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	8	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
2-Chloroethylvinyl ether (1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
1,2-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,3-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Acetone	34	10 U	19	110	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	6	65	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NC	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	34	5 U	5 U	5 U	5 U	5 U	NC	5 U	6	5 U

(1) Known to Hydrolyze in Presence of Dilute Acid

U - Below Quantitation Limit or BQL; B - detecte d in blank; J - Detected below quantitation limit; NA - Not Analyzed; NC - Not Calculable; RPD - Relative Percent Difference

* - (DUP IC-IW-5) - Duplicate Sample of IC-IW-5; # - IC-6-DF2 analyzed as a solid due to high sediment content in sample.

Note : TB - Trip Blank (prepared by EIRA); IC-D W-4R - rinseate (prepared by USACE in the field); IC-6-TW (tap water), IC-6-DF1 and IC-6-DF2 are drilling fluids collected as field control samples to monit or potential contamination resulting from the use of drilling fluids in IC-6; IC-RO-1 is surface run-off from rainwater entering boring IC-1. Table 6.2 does not include seven groundw ater samples collected near fuel tanks (Phase 1) and oil-saturated soils (Phase 2) which are presented in Table 6.1c and Table 6.1d.

Table 6.1e Summary of Analytical Results in Soils, Shallow Borings : TCLP and Ignitability Analysis, ByPass Channel Site, IHNC, New Orleans, Louisiana (CONT'D):

PARAMETER	RTL@ ug/l	IC-DS-8	IC-DS-1	IC-SS-2	IC-SS-14 (DUP IC-SS-2)#	RPD*	IC-SS-3	IC-SS-4	IC-SS-7	IC-SS-1	IC-SS-1	IC-IS-4	IC-IS-7	IC-IS-5
Chlorinated Pesticides, ug/l														
gamma-BHC (Lindane)	400	1.6 U	1.6 U	1.6 U	1.6 U	NC	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Heptachlor	(8)	1.2 U	1.2 U	1.2 U	1.2 U	NC	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Heptachlor epoxide	(8)	1.2 U	1.2 U	1.2 U	1.2 U	NC	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Endrin	20	2.4 U	2.4 U	2.4 U	2.4 U	NC	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Metoxychlor	10000	10 U	10 U	10 U	10 U	NC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlordane	30	5.6 U	5.6 U	5.6 U	5.6 U	NC	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
Toxaphene	500	96 U	96 U	96 U	96 U	NC	96 U	96 U	96 U	96 U	96 U	96 U	96 U	96 U

PARAMETER	RTL@ ug/l	IC-DS-8	IC-DS-1	IC-SS-2	IC-SS-14 (DUP IC-SS-2)#	RPD*	IC-SS-3	IC-SS-4	IC-SS-7	IC-SS-1	IC-SS-1	IC-IS-4	IC-IS-7	IC-IS-5
Chlorinated Herbicides, ug/l														
2,4 D	10000	240 U	240 U	240 U	240 U	NC	240 U	240 U	240 U	240 U	240 U	240 U	240 U	240 U
2,4,5-TP (Silvex)	1000	34 U	34 U	34 U	34 U	NC	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U
Ignitability (C)		>100	>100	>100	>100	NC	>100	>100	>100	NA	>100	>100	>100	>100

U - Below Quantitation Limit or BQL; J- Detec ted Below quantitation limit; B - Detected in Blank; NA - Not Analyzed.
(DUP IC-SS-2) - Duplicate sample of IC-SS-2; * RPD - Relative Percent Difference; NC - Not Calculable; @ RTL or RL - Regulatory Threshold Limit or Regulatory Level (Source : 40 CFR 261.20-24).

Table 6.1e Summary of Analytical Results in Soils, Shallow Boring s : TCLP and Ignitability Analysis, ByPass Channel Site, IHNC, New Orleans, Louisiana

PARAMETER	RTL@ mg/l	IC-DS-6	IC-DS-10	IC-SS-2	IC-SS-14 (DUP IC-SS-2)#	RPD*	IC-SS-3	IC-SS-4	IC-SS-7	IC-SS-11	IC-SS-12	IC-IS-4	IC-IS-7	IC-IS-5
Metals, mg/l														
Arsenic	5	0.03 U	0.11	0.06 U	0.06 U	NC	0.06 U	0.03 U	0.03 U	0.03 U	0.03 U	0.06 U	0.06 U	0.06 U
Barium	100	1.3	2.1	0.58	0.77	28	0.31	1	1.4	0.05 U	1.1	2.3	2.1	1.9
Cadmium	1	0.005 U	0.005 U	0.01 U	0.01 U	NC	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.01 U
Chromium	5	0.01 U	0.01 U	0.02 U	0.02 U	NC	0.02 U	0.01 U	0.01 U	0.024	0.01 U	0.02 U	0.02 U	0.02 U
Lead	5	0.053	0.065	0.05 U	0.05 U	NC	0.05 U	0.17	0.025 U	0.025 U	0.025 U	2.7	3.2	1.8
Mercury	0.2	0.0003	0.0002	0.0004	0.0004	0	0.001	0.0007	0.0002 U	0.0005	0.0004	0.0002	0.0002 U	0.0008
Selenium	1	0.06 U	0.06 U	0.12 U	0.12 U	NC	0.12 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U	0.12 U	0.12 U
Silver	5	0.01 U	0.01 U	0.02 U	0.02 U	NC	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.02 U	0.02 U

PARAMETER	RTL@ ug/l	IC-DS-6	IC-DS-10	IC-SS-2	IC-SS-14 (DUP IC-SS-2)#	RPD*	IC-SS-3	IC-SS-4	IC-SS-7	IC-SS-11	IC-SS-12	IC-IS-4	IC-IS-7	IC-IS-5
Volatile Organics, ug/l														
Vinyl Chloride	200	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethylene	700	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chloroform	6000	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
1,2-Dichloroethane	500	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Carbon Tetrachloride	500	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichloroethylene	500	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Benzene	500	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Tetrachloroethylene	700	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chlorobenzene	100000	25 U	25 U	25 U	25 U	NC	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Methylethylketone	200000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

PARAMETER	RTL@ ug/l	IC-DS-6	IC-DS-10	IC-SS-2	IC-SS-14 (DUP IC-SS-2)#	RPD*	IC-SS-3	IC-SS-4	IC-SS-7	IC-SS-11	IC-SS-12	IC-IS-4	IC-IS-7	IC-IS-5
Extractable Organics, ug/l														
Pyridine	5000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4 Dichlorobenzene	7500	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	3000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Nitrobenzene	2000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloro-1,3-butadiene	500	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4 Dinitrotoluene	130	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Hexachlorobenzene	130	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Cresols (totals)	200000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4,6-Trichlorophenol	2000	50 U	50 U	50 U	50 U	NC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	100000	250 U	250 U	250 U	250 U	NC	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
2,4,5-Trichlorophenol	400000	250 U	250 U	250 U	250 U	NC	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U

U - Below Quantitation Limit or BQL; J- Detected Below quantitation limit; B - Detected in Blank; NA - Not Analyzed.
(DUP IC-SS-2) - Duplicate sample of IC-SS-2; * RPD - Relative P ercent Difference; NC - Not Calculable; @ RTL or RL - Regulatory Threshod Limit or Regulatory Level (Source : 40 CFR 261.20-24).

Table 6.1e Summary of Analytical Results in Soils, Shallow Borings : TCLP and Ignitability Analysis, ByPass Channel Site, IHNC, New Orleans, Louisiana (CONT'D):

PARAMETER	RTL@ ug/l	IC-BS-2	IC-BS-6	IC-BS-7	IC-BS-1 8/18/93	IC-BS-1 9/29/93	RPD*	IC-BS-1 10/11/93	RPD*	IC-MS-1	IC-MS-3	IC-MS-5 8/18/93	IC-DS-2	IC-DS-4	IC-DS-5
Chlorinated Pesticides, ug/l															
gamma-BHC (Lindane)	400	1.6 U	1.6 U	1.6 U	NA	NA	NC	NA	NC	1.6 U	1.6 U	NA	1.6 U	1.6 U	1.6 U
Heptachlor	(8)	1.2 U	1.2 U	1.2 U	NA	NA	NC	NA	NC	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U
Heptachlor epoxide	(8)	1.2 U	1.2 U	1.2 U	NA	NA	NC	NA	NC	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U
Endrin	20	2.4 U	2.4 U	2.4 U	NA	NA	NC	NA	NC	2.4 U	2.4 U	NA	2.4 U	2.4 U	2.4 U
Metoxychlor	10000	10 U	10 U	10 U	NA	NA	NC	NA	NC	10 U	10 U	NA	10 U	10 U	10 U
Chlordane	30	5.6 U	5.6 U	5.6 U	NA	NA	NC	NA	NC	5.6 U	5.6 U	NA	5.6 U	5.6 U	5.6 U
Toxaphene	500	96 U	96 U	96 U	NA	NA	NC	NA	NC	96 U	96 U	NA	96 U	96 U	96 U

PARAMETER	RTL@ ug/l	IC-BS-2	IC-BS-6	IC-BS-7	IC-BS-1 8/18/93	IC-BS-1 9/29/93	RPD*	IC-BS-1 10/11/93	RPD*	IC-MS-1	IC-MS-3	IC-MS-5 8/18/93	IC-DS-2	IC-DS-4	IC-DS-5
Chlorinated Herbicides, ug/l															
2,4 D	10000	240 U	240 U	240 U	NA	NA	NC	NA	NC	240 U	240 U	NA	240 U	240 U	240 U
2,4,5-TP (Silvex)	1000	34 U	34 U	34 U	NA	NA	NC	NA	NC	34 U	34 U	NA	34 U	34 U	34 U
Ignitability (C)		NA	NA	>100	NA	NA	NC	NA	NC	NA	NA	NA	>100	NA	NA

U - Below Quantitation Limit or BQL; J- Detec ted Below quantitation limit; B - Detected in Blank; NA - Not Analyzed.
(DUP IC-SS-2) - Duplicate sample of IC-SS-2; * RPD - Relative Percent Difference; NC - Not Calculable; @ RTL or RL - Regulatory Threshold Limit or Regulatory Level (Source : 40 CFR 261.20-24).

Table 6.1e Summary of Analytical Results in Soils, Shallow Boring s : TCLP and Ignitability Analysis, ByPass Channel Site, IHNC, New Orleans Louisiana

PARAMETER	RTL@ mg/l	IC-BS-2	IC-BS-6	IC-BS-7	IC-BS-10 8/18/93	IC-BS-10 9/29/93	RPD*	IC-BS-10 10/11/93	RPD*	IC-MS-1	IC-MS-3	IC-MS-5 8/18/93	IC-DS-2	IC-DS-4	IC-DS-5
Metals, mg/l															
Arsenic	5	0.06 U	0.06 U	0.06 U	NA	NA	NC	NA	NC	0.03 U	0.03 U	NA	0.06 U	0.03 U	0.06 U
Barium	100	2 U	0.9	0.74	NA	NA	NC	NA	NC	1.2	1.2	NA	1.1	1.1	1.1
Cadmium	1	.01 U	.01 U	.01 U	NA	NA	NC	NA	NC	0.005 U	0.005 U	NA	0.01 U	0.005 U	.01 U
Chromium	5	.02 U	.02 U	.02 U	NA	NA	NC	NA	NC	0.01 U	0.01 U	NA	0.02 U	0.01 U	0.02 U
Lead	5	.05 U	.05 U	.05 U	7.0	2.8	85	4.3	48	0.025 U	0.025 U	0.26	0.001 U	0.11	0.099
Mercury	0.2	.0002 U	.0004 U	.0002 U	NA	NA	NC	NA	NC	0.0012 U	0.0004 U	NA	.0002 U	0.0007	0.0007
Selenium	1	0.12 U	0.12 U	0.12 U	NA	NA	NC	NA	NC	0.06 U	0.06 U	NA	0.12 U	0.06 U	0.12 U
Silver	5	0.02 U	0.02 U	0.02 U	NA	NA	NC	NA	NC	0.01 U	0.01 U	NA	0.02 U	0.01 U	0.02 U

PARAMETER	RTL@ ug/l	IC-BS-2	IC-BS-6	IC-BS-7	IC-BS-10 8/18/93	IC-BS-10 9/29/93	RPD*	IC-BS-10 10/11/93	RPD*	IC-MS-1	IC-MS-3	IC-MS-5 8/18/93	IC-DS-2	IC-DS-4	IC-DS-5
Volatile Organics, ug/l															
Vinyl Chloride	200	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
1,1-Dichloroethylene	700	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Chloroform	6000	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
1,2-Dichloroethane	500	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Carbon Tetrachloride	500	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Trichloroethylene	500	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Benzene	500	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Tetrachloroethylene	700	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Chlorobenzene	100000	25 U	25 U	25 U	NA	NA	NC	NA	NC	25 U	25 U	NA	25 U	25 U	25 U
Methylethylketone	200000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U

PARAMETER	RTL@ ug/l	IC-BS-2	IC-BS-6	IC-BS-7	IC-BS-10 8/18/93	IC-BS-10 9/29/93	RPD*	IC-BS-10 10/11/93	RPD*	IC-MS-1	IC-MS-3	IC-MS-5 8/18/93	IC-DS-2	IC-DS-4	IC-DS-5
Extractable Organics, ug/l															
Pyridine	5000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
1,4 Dichlorobenzene	7500	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Hexachloroethane	3000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Nitrobenzene	2000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Hexachloro-1,3-butadiene	500	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
2,4 Dinitrotoluene	130	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Hexachlorobenzene	130	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Creosols (totals)	200000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
2,4,6-Trichlorophenol	2000	50 U	50 U	50 U	NA	NA	NC	NA	NC	50 U	50 U	NA	50 U	50 U	50 U
Pentachlorophenol	100000	250 U	250 U	250 U	NA	NA	NC	NA	NC	250 U	250 U	NA	250 U	250 U	250 U
2,4,5-Trichlorophenol	400000	250 U	250 U	250 U	NA	NA	NC	NA	NC	250 U	250 U	NA	250 U	250 U	250 U

U - Below Quantitation Limit or BQL; J- Detected Below quantitation limit; B - Detected in Blank; NA - Not Analyzed.

(DUP IC-SS-2) - Duplicate sample of IC-SS-2; * RPD - Relative P ercent Difference; NC - Not Calculable; @ RTL or RL - Regulatory Threshold Limit or Regulatory Level (Source : 40 CFR 261.20-24).

Table 6.1d Summary of Analytical Results : Phase II Soil Samples, Oil Saturated Soils, Saucer Marine (CONT'D) :

PARAMETER	IC-SS-7P1	IC-SS-7P1r	IC-SS-7P1s	IC-SS-7P2	IC-SS-7P3	IC-SS-7P4	IC-SS-7P5	IC-SS-7P6	IC-SS-16P1	IC-SS-16P6 (DUP,16P1)#	RPD	IC-SS-16P2	IC-SS-16P2r	IC-SS-16P2s	IC-SS-16P3	IC-SS-16P4	IC-SS-16P5
VOLATILES, ug/kg																	
Acrolein	50U	50U	50U	NA	NA	NA	NA	NA	50U	NA	NC	NA	50U	50U	NA	NA	NA
Acrylonitrile	50U	50U	50U	NA	NA	NA	NA	NA	50U	NA	NC	NA	50U	50U	NA	NA	NA
Chloromethane	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Bromomethane	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Vinyl Chloride	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Chloroethane	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Methylene Chloride	54	15	13	NA	NA	NA	NA	NA	25	NA	NC	NA	9	10	NA	NA	NA
1,1-Dichloroethene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,1-Dichloroethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,2-Dichloroethene (total)	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Trichlorofluoromethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Chloroform	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,2-Dichloroethane	5U	5U	5U	NA	NA	NA	NA	NA	8	NA	NC	NA	5U	5U	NA	NA	NA
1,1,1-Trichloroethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Carbon Tetrachloride	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Bromodichloromethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,2-Dichloropropane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
trans-1,3-Dichloropropene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Trichloroethene	5U	5U	5U	NA	NA	NA	NA	NA	12	NA	NC	NA	5U	5U	NA	NA	NA
Dibromochloromethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,1,2-Trichloroethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Benzene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
cis-1,3-Dichloropropene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Bromoform	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Tetrachloroethene	5U	5U	5U	NA	NA	NA	NA	NA	7	NA	NC	NA	5U	5U	NA	NA	NA
1,1,2,2-Tetrachloroethane	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Toluene	5U	5U	5U	NA	NA	NA	NA	NA	32	NA	NC	NA	5U	5U	NA	NA	NA
Chlorobenzene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Ethylbenzene	5U	5U	5U	NA	NA	NA	NA	NA	12	NA	NC	NA	5U	5U	NA	NA	NA
2-Chloroethylvinyl ether (1)	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
1,2-Dichlorobenzene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,3-Dichlorobenzene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
1,4-Dichlorobenzene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Acetone	12	10U	11	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Carbon Disulfide	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
2-Butanone	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Vinyl Acetate	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
2-Hexanone	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
4-Methyl-2-Pentanone	10U	10U	10U	NA	NA	NA	NA	NA	10U	NA	NC	NA	10U	10U	NA	NA	NA
Styrene	5U	5U	5U	NA	NA	NA	NA	NA	5U	NA	NC	NA	5U	5U	NA	NA	NA
Xylene (total)	5	5U	5U	NA	NA	NA	NA	NA	11	NA	NC	NA	5U	5U	NA	NA	NA

(1) Known to Hydrolyze in Presence of Dilute Acid

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; NA - Not Analyzed
*RPD - Relative Percent Difference; NC - Noncalculable; # (DUP,16P1) - duplicate sample of IC-SS-16P1.

Table 6.1d Summary of Analytical Results : Phase II Soil and Groundwater Samples, Oil-Saturated Soils, Saucer Marine (CONT'D) :

PARAMETER	IC-SS-4P2	IC-SS-4P3	IC-SS-4P4	IC-SS-4P5	IC-SS-4P6	IC-SS-4P7	IC-SS-5P1	IC-SS-5P2	IC-SS-5P3r	IC-SS-5P3s	IC-SS-5P4	IC-SS-5P5	IC-SW-2P1 @ (ug/l)	IC-SW-5P1 @ (ug/l)
VOLATILES, ug/kg														
Acrolein	NA	NA	NA	NA	NA	NA	6.3U	NA	50U	50U	NA	NA	50U	50U
Acrylonitrile	NA	NA	NA	NA	NA	NA	6.3U	NA	50U	50U	NA	NA	50U	50U
Chloromethane	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
Bromomethane	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
Vinyl Chloride	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
Chloroethane	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
Methylene Chloride	NA	NA	NA	NA	NA	NA	0.6U	NA	12	11	NA	NA	5U	5U
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Chloroform	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Bromodichloromethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Trichloroethene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Dibromochloromethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Benzene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Bromoform	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Tetrachloroethene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Toluene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Chlorobenzene	NA	NA	NA	NA	NA	NA	0.9	NA	5U	5U	NA	NA	5U	5U
Ethylbenzene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
2-Chloroethylvinyl ether (1)	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	5U	NA	NA	10U	10U
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Acetone	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	15	NA	NA	10U	10U
Carbon Disulfide	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
2-Butanone	NA	NA	NA	NA	NA	NA	4	NA	10U	10U	NA	NA	10U	10U
Vinyl Acetate	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
2-Hexanone	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA	1.3U	NA	10U	10U	NA	NA	10U	10U
Styrene	NA	NA	NA	NA	NA	NA	0.6U	NA	5U	5U	NA	NA	5U	5U
Xylene (total)	NA	NA	NA	NA	NA	NA	3	NA	5U	5U	NA	NA	5U	5U

(1) Known to Hydrolyze in Presence of Dilute Acid

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; NA - Not Analyzed.

*RPD - Relative Percent Difference; NC - Noncalculable; # (DUP,2P1) - Duplicate sample of IC-SS-2P1); @ - Groundwater sample, note units change to ng/l or ug/l.

Table 6.1d Summary of Analytical Results : Phase II Soil and Groundwater Samples, Oil-Saturated Soils, Saucer Marine (CCNT'D) :

PARAMETER	IC-SS-2P1	IC-SS-2P7 (DUP,2P1)#	RPD	IC-SS-2P1r	IC-SS-2P1s	IC-SS-2P2	IC-SS-2P3	IC-SS-2P4	IC-SS-2P5	IC-SS-2P6	IC-SS-4P1	IC-SS-4P8 (DUP,4P1)#	RPD	IC-SS-4P1r	IC-SS-4P1s
VOLATILES, ug/kg															
Acrolein	50U	NA	NC	50U	50U	NA	NA	NA	NA	NA	6.3U	NA	NC	50U	50U
Acrylonitrile	50U	NA	NC	50U	50U	NA	NA	NA	NA	NA	6.3U	NA	NC	50U	50U
Chloromethane	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
Bromomethane	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
Vinyl Chloride	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
Chloroethane	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
Methylene Chloride	21	NA	NC	16	17	NA	NA	NA	NA	NA	0.6U	NA	NC	15	15
1,1-Dichloroethene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,1-Dichloroethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,2-Dichloroethene (total)	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Trichlorofluoromethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Chloroform	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,2-Dichloroethane	9	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,1,1-Trichloroethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Carbon Tetrachloride	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Bromodichloromethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,2-Dichloropropane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
trans-1,3-Dichloropropene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Trichloroethene	17	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Dibromochloromethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,1,2-Trichloroethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Benzene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
cis-1,3-Dichloropropene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Bromoform	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Tetrachloroethene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,1,2,2-Tetrachloroethane	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Toluene	44	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Chlorobenzene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Ethylbenzene	18	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
2-Chloroethylvinyl ether (1)	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
1,2-Dichlorobenzene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,3-Dichlorobenzene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
1,4-Dichlorobenzene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Acetone	11	NA	NC	14	15	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
Carbon Disulfide	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
2-Butanone	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	5	NA	NC	10U	10U
Vinyl Acetate	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
2-Hexanone	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	1.3U	NA	NC	10U	10U
4-Methyl-2-Pentanone	10U	NA	NC	10U	10U	NA	NA	NA	NA	NA	2	NA	NC	10U	10U
Styrene	5U	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	5U	5U
Xylene (total)	30	NA	NC	5U	5U	NA	NA	NA	NA	NA	0.6U	NA	NC	9	5U

(1) Known to Hydrolyze in Presence of Dilute Acid

U - Below Quantitation Limit or BQL; J - De tected below quantitation limit; B - Detected in Blank; NA - Not Analyzed.

*RPD - Relative Percent Difference; NC - Noncalculable; # (DUP 2P1) - Duplicate sample of IC-SS-2P1); @ - Groundwater sample, note units change to mg/l or ug/l.

Table 6.1d Summary of Analytical Results : Phase II Soil Samples, Oil Saturated Soils, Saucer Marine (CONT'D) :

PARAMETER	IC-SS-7P1	IC-SS-7P1r	IC-SS-7P1e	IC-SS-7P2	IC-SS-7P3	IC-SS-7P4	IC-SS-7P5	IC-SS-7P6	IC-SS-16P1	IC-SS-16P6 (DUP, 16P1)#	RPD	IC-SS-16P2	IC-SS-16P2r	IC-SS-16P2e	IC-SS-16P3	IC-SS-16P4	IC-SS-16P5
Oil & Grease, mg/kg	2360	NA	NA	21600	4250	6550	1840	3000	37100	35000	5.8	261	NA	NA	336	155	149

PARAMETER	IC-SS-7P1	IC-SS-7P1r	IC-SS-7P1e	IC-SS-7P2	IC-SS-7P3	IC-SS-7P4	IC-SS-7P5	IC-SS-7P6	IC-SS-16P1	IC-SS-16P6 (DUP, 16P1)#	RPD	IC-SS-16P2	IC-SS-16P2r	IC-SS-16P2e	IC-SS-16P3	IC-SS-16P4	IC-SS-16P5
TOTAL PETROLEUM HYDROCARBON																	
TPH (as Gasoline), mg/kg	39.4U	NA	NA	79.7U	39.9U	198U	39.9U	39.6U	79.7U	79.6U	NC	40.2U	NA	NA	39.6U	39.6U	39.4U
TPH (as Diesel Oil), mg/kg	973	NA	NA	6070	2610	14300	1430	331	5860	4360	29	40.2U	NA	NA	39.6U	39.6U	39.4U

PARAMETER	IC-SS-7P1	IC-SS-7P1r	IC-SS-7P1e	IC-SS-7P2	IC-SS-7P3	IC-SS-7P4	IC-SS-7P5	IC-SS-7P6	IC-SS-16P1	IC-SS-16P6 (DUP, 16P1)#	RPD	IC-SS-16P2	IC-SS-16P2r	IC-SS-16P2e	IC-SS-16P3	IC-SS-16P4	IC-SS-16P5
POLYNUCLEAR AROMATICHC, ug/kg																	
Naphthalene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Acenaphthylene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Acenaphthene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Fluorene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
2,4/2,6-Dianinotoluene	33300U	333U	332U	NA	NA	NA	NA	NA	33300U	NA	NC	NA	333U	333U	NA	NA	NA
Phenanthrene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Anthracene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Fluoranthene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Pyrene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Benzo(a)anthracene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Chrysene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Benzo(b)fluoranthene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
benzo(k)fluoranthene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Benzo(a)pyrene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Dibenz(a,h)anthracene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA
Benzo(g,h,i)perylene	16700U	167U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	NA	167U	166U	NA	NA	NA

PARAMETER	IC-SS-7P1	IC-SS-7P1r	IC-SS-7P1e	IC-SS-7P2	IC-SS-7P3	IC-SS-7P4	IC-SS-7P5	IC-SS-7P6	IC-SS-16P1	IC-SS-16P6 (DUP, 16P1)#	RPD	IC-SS-16P2	IC-SS-16P2r	IC-SS-16P2e	IC-SS-16P3	IC-SS-16P4	IC-SS-16P5
METALS, mg/kg																	
Arsenic	75.7	NA	NA	NA	NA	NA	NA	NA	2.4U	NA	NC	NA	NA	NA	NA	NA	NA
Barium	490	NA	NA	NA	NA	NA	NA	NA	105	NA	NC	NA	NA	NA	NA	NA	NA
Cadmium	2.3U	NA	NA	NA	NA	NA	NA	NA	2.2U	NA	NC	NA	NA	NA	NA	NA	NA
Chromium	16.0	NA	NA	NA	NA	NA	NA	NA	7.6	NA	NC	NA	NA	NA	NA	NA	NA
Lead	75.3	9.9	10.2	NA	NA	NA	NA	NA	124	NA	NC	NA	11.7	10.6	NA	NA	NA
Mercury	0.10	NA	NA	NA	NA	NA	NA	NA	0.089	NA	NC	NA	NA	NA	NA	NA	NA
Selenium	2.3U	NA	NA	NA	NA	NA	NA	NA	2.4	NA	NC	NA	NA	NA	NA	NA	NA
Silver	4.6U	NA	NA	NA	NA	NA	NA	NA	4.4	NA	NC	NA	NA	NA	NA	NA	NA
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA	NA	NA	NA	NA

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; NA - Not Analyzed
*RPD - Relative Percent Difference; NC - Noncalculable; # (DUP, 16P1) - duplicate sample of IC-SS-16P1.

Table 8.1d Summary of Analytical Results : Phase II Soil and Groundwater Samples, Oil-Saturated Soils, Saucer Marine (CONT'D) :

PARAMETER	IC-SS-4P2	IC-SS-4P3	IC-SS-4P4	IC-SS-4P5	IC-SS-4P6	IC-SS-4P7	IC-SS-5P1	IC-SS-5P2	IC-SS-5P3r	IC-SS-5P3o	IC-SS-5P4	IC-SS-5P5	IC-SW-2P1 @ (mg/l)	IC-SW-5P1 @ (mg/l)
Oil & Grease, mg/kg	857	12600	6190	2870	3510	9020	95600	23500	NA	NA	98000	49000	5.0	7.0

PARAMETER	IC-SS-4P2	IC-SS-4P3	IC-SS-4P4	IC-SS-4P5	IC-SS-4P6	IC-SS-4P7	IC-SS-5P1	IC-SS-5P2	IC-SS-5P3r	IC-SS-5P3o	IC-SS-5P4	IC-SS-5P5	IC-SW-2P1 @ (mg/l)	IC-SW-5P1 @ (mg/l)
TOTAL PETROLEUM HYDROCARBON														
TPH (as Gasoline), mg/kg	39.6U	196U	39.8U	39.3	40.1U	399U	401U	79.3U	NA	NA	192U	116U	4U	4U
TPH (as Diesel Oil), mg/kg	246	5540	1060	319	3170	10900	11000	2650	NA	NA	13900	6710	4U	4U

PARAMETER	IC-SS-4P2	IC-SS-4P3	IC-SS-4P4	IC-SS-4P5	IC-SS-4P6	IC-SS-4P7	IC-SS-5P1	IC-SS-5P2	IC-SS-5P3r	IC-SS-5P3o	IC-SS-5P4	IC-SS-5P5	IC-SW-2P1 @ (ug/l)	IC-SW-5P1 @ (ug/l)
POLYNUCLEAR AROMATIC HC, ug/kg														
Naphthalene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Acenaphthylene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Acenaphthene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Fluorene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
2,4/2,6-Diaminotoluene	NA	NA	NA	NA	NA	NA	33300U	NA	333U	333U	NA	NA	10U	10U
Phenanthrene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Anthracene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Fluoranthene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Pyrene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Chrysene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Indeno(1,2,3,c,d)pyrene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	16600U	NA	167U	166U	NA	NA	5U	5U

PARAMETER	IC-SS-4P2	IC-SS-4P3	IC-SS-4P4	IC-SS-4P5	IC-SS-4P6	IC-SS-4P7	IC-SS-5P1	IC-SS-5P2	IC-SS-5P3r	IC-SS-5P3o	IC-SS-5P4	IC-SS-5P5	IC-SW-2P1 @ (mg/l)	IC-SW-5P1 @ (mg/l)
METALS, mg/kg														
Arsenic	NA	NA	NA	NA	NA	NA	2.5U	NA	NA	NA	NA	NA	0.17	0.066
Barium	NA	NA	NA	NA	NA	NA	311	NA	NA	NA	NA	NA	10.6	4.6
Cadmium	NA	NA	NA	NA	NA	NA	2.3U	NA	NA	NA	NA	NA	0.05U	0.005U
Chromium	NA	NA	NA	NA	NA	NA	16.9	NA	NA	NA	NA	NA	0.72	0.22
Lead	NA	NA	NA	NA	NA	NA	646	NA	9.9	76.9	NA	NA	0.59	0.22
Mercury	NA	NA	NA	NA	NA	NA	0.094	NA	NA	NA	NA	NA	0.0016	0.0012
Selenium	NA	NA	NA	NA	NA	NA	2.5U	NA	NA	NA	NA	NA	0.025U	0.025U
Silver	NA	NA	NA	NA	NA	NA	4.6U	NA	NA	NA	NA	NA	0.10U	0.10U
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	166	457
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	3.3

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; NA - Not Analyzed.
*RPD - Relative Percent Difference; NC - N oncalculable; # (DUP,2P1) - Duplicate sample of IC-SS-2P1); @ - Groundwater sample, note units change to mg/l or ug/l.

Table 6.1d Summary of Analytical Results : Phase II Soil and Groundwater Samples, Oil-Saturated Soils, Saucer Marine

PARAMETER	IC-SS-2P1	IC-SS-2P7 (DUP,2P1)#	RPD	IC-SS-2P1r	IC-SS-2P1e	IC-SS-2P2	IC-SS-2P3	IC-SS-2P4	IC-SS-2P5	IC-SS-2P6	IC-SS-4P1	IC-SS-4P6 (DUP,4P1)#	RPD	IC-SS-4P1r	IC-SS-4P1e
Oil & Grease, mg/kg	12100	6020	41	NA	NA	747	3850	14300	50.0U	4330	20600	20400	0.9	NA	NA

PARAMETER	IC-SS-2P1	IC-SS-2P7 (DUP,2P1)#	RPD	IC-SS-2P1r	IC-SS-2P1e	IC-SS-2P2	IC-SS-2P3	IC-SS-2P4	IC-SS-2P5	IC-SS-2P6	IC-SS-4P1	IC-SS-4P6 (DUP,4P1)#	RPD	IC-SS-4P1r	IC-SS-4P1e
TOTAL PETROLEUM HYDROCARBON															
TPH (as Gasoline), mg/kg	78.8U	79.1U	NC	NA	NA	39.2U	39.7	39.9U	39.5U	39.6U	396U	396U	NC	NA	NA
TPH (as Diesel Oil), mg/kg	4530	2020	78	NA	NA	192	4530	1750	166	1290	1250	11300	160	NA	NA

PARAMETER	IC-SS-2P1	IC-SS-2P7 (DUP,2P1)#	RPD	IC-SS-2P1r	IC-SS-2P1e	IC-SS-2P2	IC-SS-2P3	IC-SS-2P4	IC-SS-2P5	IC-SS-2P6	IC-SS-4P1	IC-SS-4P6 (DUP,4P1)#	RPD	IC-SS-4P1r	IC-SS-4P1e
POLYNUCLEAR AROMATIC HC, ug/kg															
Naphthalene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Acenaphthylene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Acenaphthene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Fluorene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
2,4/2,6-Diaminotoluene	33300U	NA	NC	332U	333U	NA	NA	NA	NA	NA	33300U	NA	NC	333U	332U
Phenanthrene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Anthracene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Fluoranthene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Pyrene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Benzo(a)anthracene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Chrysene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Benzo(b)fluoranthene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
benzo(k)fluoranthene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Benzo(a)pyrene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Indeno(1,2,3,c,d)pyrene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Dibenz(a,h)anthracene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U
Benzo(g,h,i)perylene	16600U	NA	NC	166U	166U	NA	NA	NA	NA	NA	16600U	NA	NC	166U	166U

PARAMETER	IC-SS-2P1	IC-SS-2P7 (DUP,2P1)#	RPD	IC-SS-2P1r	IC-SS-2P1e	IC-SS-2P2	IC-SS-2P3	IC-SS-2P4	IC-SS-2P5	IC-SS-2P6	IC-SS-4P1	IC-SS-4P6 (DUP,4P1)#	RPD	IC-SS-4P1r	IC-SS-4P1e
METALS, mg/kg															
Arsenic	3.2	NA	NC	NA	NA	NA	NA	NA	NA	NA	7.0	NA	NC	NA	NA
Barium	559	NA	NC	NA	NA	NA	NA	NA	NA	NA	96.1	NA	NC	NA	NA
Cadmium	2.4U	NA	NC	NA	NA	NA	NA	NA	NA	NA	2.4U	NA	NC	NA	NA
Chromium	10.4	NA	NC	NA	NA	NA	NA	NA	NA	NA	12.0	NA	NC	NA	NA
Lead	107	NA	NC	11.5	5.7	NA	NA	NA	NA	NA	354	NA	NC	108	34.2
Mercury	0.17	NA	NC	NA	NA	NA	NA	NA	NA	NA	0.14	NA	NC	NA	NA
Selenium	2.4U	NA	NC	NA	NA	NA	NA	NA	NA	NA	2.3U	NA	NC	NA	NA
Silver	4.8U	NA	NC	NA	NA	NA	NA	NA	NA	NA	4.6U	NA	NC	NA	NA
Aluminum	NA	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA
Zinc	NA	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NC	NA	NA

U - Below Quantitation Limit or BQL; J - Detected below quantitation limit; B - Detected in Blank; NA - Not Analyzed.

*RPD - Relative Percent Difference; NC - N oncalculable; # (DUP,2P1) - Duplicate sample of IC-SS-2P1); @ - Groundwater sample, note units change to mg/l or ug/l.

Table 6.1c Summary of Analytical Results, Fuel Tanks : ByPass Channel Site, IHNC, New Orleans, Louisiana (CONT'D):

PARAMETER	RCRA* Soil Criteria	IC-SS-9D	IC-SS-9E	IC-SS-9F	IC-SS-9G	RCRA* Water Criteria	IC-BW-1	IC-MW-4 (=MS-2)##	IC-DW-2	IC-DW-3 (DUP DW-2)	RPD	IC-SW-9
AROMATIC VOLATILES (ug/kg or ug/l):												
Benzene	--	5000 U	500 U	500 U	500 U	5	1.00 U	1.00 U	2.61	2.42	7.5	1.00 U
Toluene	20000 mg/kg	5000 U	614	500 U	500 U	10000	1.00 U	1.00 U	1.00 U	1.00 U	NC	1.00 U
Ethylbenzene	8000 mg/kg	10900	500 U	500 U	500 U	4000	1.00 U	1.00 U	1.00 U	1.00 U	NC	1.00 U
m-/p-Xylenes	--	54700	1000 U	1000 U	1000 U	--	4.24	2.00 U	2.00 U	2.00 U	NC	2.00 U
o-Xylene	--	5000 U	500 U	500 U	500 U	--	1.83	1.00 U	1.00 U	1.00 U	NC	1.00 U
Xylene (Total)@	200000 mg/kg	<59700	<1500	<1500	<1500	70000	--	--	--	--	--	--
BTEX (total)@@	100 mg/kg#	73100	1250	--	--	--	--	--	--	--	--	--

PARAMETER	RCRA* Soil Criteria	IC-SS-9D	IC-SS-9E	IC-SS-9F	IC-SS-9G	RCRA* Water Criteria (ug/l)	IC-BW-1	IC-MW-4 (=MS-2)##	IC-DW-2	IC-DW-3 (DUP DW-2)	RPD	IC-SW-9
TOTAL PETROLEUM HYDROCARBON (mg/kg or mg/l)												
TPH (as Gasoline)	--	413	40.1 U	39.8 U	39.8 U	--	na	4.00 U	4.00 U	4.00 U	NC	4.00 U
TPH (as Diesel Oil)	100 mg/kg#	39.8 U	40.1 U	39.8 U	39.8 U	--	na	49.1	4.00 U	31.9	NC	4.00 U

PARAMETER	RCRA* Soil Criteria	IC-SS-9D	IC-SS-9E	IC-SS-9F	IC-SS-9G	RCRA* Water Criteria (ug/l)	IC-BW-1	IC-MW-4 (=MS-2)##	IC-DW-2	IC-DW-3 (DUP DW-2)	RPD	IC-SW-9
METALS (mg/kg or mg/l)												
Lead	--	113	20.3	59.8	30.0	50	0.51	0.67	0.14	0.36	88	0.32

* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30865-30873.
100# - State of Mississippi BTEX (gasoline) and TPH (deisel) Clean-Up Levels; 5 U - Below Quantitation Limit (BQL) or Practical Quantitation Limit (PQL), quantitation limit is 5 ug/kg or ug/l.
RPD - Relative Percent Difference; NC - Not Calculable; ## (=MS-2) - water sample from MS-2 soil sample location, IC-MW-4 was mislabled.
@ - total xylene is the arithmetic sum of m-/p-, o- xylenes.
@@ - total BTEX is the arithmetic sum of benzene, toluene, ethylbenzene, and m-/p-, o-xylene; for compounds detected as U or BQL, the concentration is assumed as 1/2 the quantitation limit.

Table 6.1c Summary of Analytical Results, Fuel Tanks : ByPass Chan nel Site, IHNC, New Orleans, Louisiana (CONT'D):

PARAMETER	RCRA* Soil Criteria	IC-BS-1	IC-MS-2	IC-MS-4	IC-DS-1	IC-DS-2	IC-DS-3 (DUP DS-2)#	RPD	IS-SS-8	IC-SS-9	IC-SS-9A	IC-SS-9B	IC-SS-9C
AROMATIC VOLATILES (ug/kg or ug/l):													
Benzene	--	3.33	5.00 U	1.00 U	1.00 U	10.0 U	5.00 U	NC	1.00 U	703	5000 U	500 U	500 U
Toluene	20000 mg/kg	26.2	9.99	1.93	3.51	77.0	23.6	106	3.29	583	26500	500 U	500 U
Ethylbenzene	8000 mg/kg	2.91	9.07	1.00 U	1.00 U	10.0 U	5.00 U	NC	1.00 U	5150	37300	500 U	500 U
m-/p-Xylenes	--	9.19	32.9	2.49	3.71	34.9	16.4	72	2.00 U	3560	201000	1000 U	1000 U
o-Xylene	--	4.09	22.6	1.16	1.84	10.0 U	11.9	NC	1.00 U	500 U	82500	500 U	500 U
Xylene (Total)@	200000 mg/kg	5.28	55.5	3.65	5.55	<44.9	28.3	--	<3.00	<4060	283500	<1500	<1500
BTEX (total)@@	100 mg/kg#	45.72	74.56	5.58	9.06	126.9	56.9	--	5.79	10246	349800	--	--

PARAMETER	RCRA* Soil Criteria	IC-BS-1	IC-MS-2	IC-MS-4	IC-DS-1	IC-DS-2	IC-DS-3 (DUP DS-2)#	RPD	IS-SS-8	IC-SS-9	IC-SS-9A	IC-SS-9B	IC-SS-9C
TOTAL PETROLEUM HYDROCARBON (mg/kg or mg/l)													
TPH (as Gasoline)	--	39.4 U	39.7 U	39.8 U	39.3 U	39.6 U	39.8 U	NC	39.4 U	39.9 U	3040	39.8 U	39.9 U
TPH (as Diesel Oil)	100 mg/kg#	39.4 U	39.7 U	39.8 U	62.0	1440.0	39.8 U	NC	39.4 U	123.0	39.8 U	39.8 U	39.9 U

PARAMETER	RCRA* Soil Criteria	IC-BS-1	IC-MS-2	IC-MS-4	IC-DS-1	IC-DS-2	IC-DS-3 (DUP DS-2)#	RPD	IS-SS-8	IC-SS-9	IC-SS-9A	IC-SS-9B	IC-SS-9C
METALS (mg/kg or mg/l)													
Lead	--	209.0	29.7	15.1	10.8	0.51	24.0	192	54.9	66.9	14.7	12.6	15.0

* USEPA RCRA Soil / Water Action Levels (Proposed Rules), Federal Register, 27 July 1990, v.55, n.145, pp 30865-30873.

100# - State of Mississippi BTEX (gasoline) and TPH (deisel) Clean-U p Levels; 5 U - Below Quantitation Limit (BQL) or Practical Quantitation Limit (PQL), quantitation limit is 5 ug/kg or ug/l.

RPD - Relative Percent Difference; NC - Not Calculable; ## (=MS-2) - water sample from MS-2 soil sample location, IC-MW-4 was mislabled.

@ - total xylene is the arithmetic sum of m-/p-, o- xylenes.

@@ - total BTEX is the arithmetic sum of benzene, toluene, ethylbenzene, and m-/p-, o-xylene; for compounds detected as U or BQL, the concentration is assumed as 1/2 the quantitation limit.