DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	1-Methylnaphthalene	0.0647		mg/l	0.005	0.0017	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	1-Methylnaphthalene	0.0155		mg/l	0.005	0.0017	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	1-Methylnaphthalene	0.0109		mg/l	0.005	0.0017	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	1-Methylnaphthalene	0.002	J	mg/l	0.005	0.0017	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-3	2-Methylnaphthalene	0.0625		mg/l	0.005	0.002	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19944-3	Antimony	8.1		ug/l	5	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19944-7	Arsenic	43.7		ug/l	5	2.7	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19878-18	Arsenic	21.1		ug/l	5	2.7	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19927-10	Arsenic	19.5		ug/l	5	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19927-6	Arsenic	16.65		ug/l	5	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19987-10	Arsenic	10.5		ug/l	5	2.7	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19861-17	Benzene	0.0145		mg/l	0.002	0.00023	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19861-17	Benzene	0.0145		mg/l	0.002	0.00023	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-3	Benzene	0.003		mg/l	0.002	0.00023	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19878-18	Benzene	0.0012	J	mg/l	0.002	0.00046	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19861-3	Benzene	0.00065	J	mg/l	0.002	0.00023	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19927-6	bis(2-Ethylhexyl)phthalate	0.007	J	mg/l	0.0051	0.0015	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19927-6	bis(2-Ethylhexyl)phthalate	0.007	J	mg/l	0.0051	0.0015	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19860-3	bis(2-Ethylhexyl)phthalate	0.0026	J	mg/l	0.005	0.0015	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-3	bis(2-Ethylhexyl)phthalate	0.0018	J	mg/l	0.005	0.0015	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T20073-7	bis(2-Ethylhexyl)phthalate	0.0017	J	mg/l	0.005	0.0015	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19861-9	bis(2-Ethylhexyl)phthalate	0.0016	J	mg/l	0.005	0.0015	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-15	bis(2-Ethylhexyl)phthalate	0.0015	J	mg/l	0.005	0.0015	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-3	Ethylbenzene	0.008		mg/l	0.002	0.00048	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-15	Ethylbenzene	0.0038		mg/l	0.002	0.00048	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19878-18	Ethylbenzene	0.0034		mg/l	0.002	0.00045	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19861-17	Ethylbenzene	0.002		mg/l	0.002	0.00048	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19878-14	Iron	10150		ug/l	100	24	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19878-18	Iron	3230		ug/l	100	24	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19987-10	Iron	2970		ug/l	100	24	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19944-3	Iron	2950		ug/l	100	24	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19987-13	Iron	2540		ug/l	100	24	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19861-9	Iron	2150		ug/l	100	24	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19964-9	Iron	1960		ug/l	100	24	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19860-3	Iron	1720		ug/l	100	24	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	Iron	1540		ug/l	100	24	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19987-4	Iron	1390		ug/l	100	24	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19860-15	Iron	1060		ug/l	100	24	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-6	Iron	1050		ug/l	100	24	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19987-7	Iron	1040		ug/l	100	24	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19891-10	Iron	909		ug/l	100	24	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19944-7	Iron	864		ug/l	100	24	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19927-6	Iron	760.5		ug/l	100	24	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19927-10	Iron	625		ug/l	100	24	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19861-3	Iron	578		ug/l	100	24	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19964-6	Iron	372		ug/l	100	24	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19944-3	Lead	19.5		ug/l	3	2.8	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19944-3	Manganese	4120		ug/l	15	4.1	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-9	Manganese	2150		ug/l	15	4.1	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19944-7	Manganese	2140		ug/l	15	4.1	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19964-6	Manganese	1010		ug/l	15	4.1	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19987-13	Manganese	994		ug/l	15	4.1	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-7	Manganese	968		ug/l	15	4.1	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19927-10	Manganese	826		ug/l	15	4.1	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19987-4	Manganese	776		ug/l	15	4.1	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19987-10	Manganese	746		ug/l	15	4.1	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19878-14	Manganese	452.5		ug/l	15	4.1	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19891-13	Manganese	394		ug/l	15	4.1	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19927-6	Manganese	352.5		ug/l	15	4.1	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19860-3	Manganese	324		ug/l	15	4.1	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19891-10	Manganese	276		ug/l	15	4.1	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19861-3	Manganese	170		ug/l	15	4.1	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19860-6	Manganese	146		ug/l	15	4.1	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Manganese	139		ug/l	15	4.1	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19878-18	Manganese	118		ug/l	15	4.1	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19861-17	Manganese	111		ug/l	15	4.1	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19861-9	Manganese	110		ug/l	15	4.1	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-3	Naphthalene	0.163		mg/l	0.015	0.0044	3	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-15	Naphthalene	0.0273		mg/l	0.005	0.0015	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-6	Naphthalene	0.0256		mg/l	0.005	0.0015	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19861-17	Naphthalene	0.0053		mg/l	0.005	0.0015	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19861-3	Naphthalene	0.0021	J	mg/l	0.005	0.0015	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19860-3	Thallium	6.7	B	ug/l	10	2.7	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-9	Thallium	6.2	B	ug/l	10	2.7	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19861-3	Thallium	5.1	B	ug/l	10	2.7	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19861-17	Thallium	5.1	B	ug/l	10	2.7	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	Thallium	4.8	B	ug/l	10	2.7	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Thallium	4.8	B	ug/l	10	2.7	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19927-10	Thallium	4.8	B	ug/l	10	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19944-3	Thallium	4.2	B	ug/l	10	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-6	Thallium	4.1	B	ug/l	10	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19964-9	Thallium	3.7	B	ug/l	10	2.7	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19891-13	Thallium	3.5	B	ug/l	10	2.7	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19927-6	Thallium	3.5	B	ug/l	10	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19878-14	Thallium	2.9	B	ug/l	10	2.7	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T20073-5	Thallium	2.9	B	ug/l	10	2.7	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Above EPA RSL Tap

Above EPA MCL

Above EPA Secondary MCL

9597879

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	2-Methylna	0.0625		mg/l	0.005	0.002	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19878-18	Aluminum	4280		ug/l	200	86	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19944-3	Antimony	8.1		ug/l	5	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19944-7	Arsenic	43.7		ug/l	5	2.7	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19878-18	Arsenic	21.1		ug/l	5	2.7	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19927-10	Arsenic	19.5		ug/l	5	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19927-6	Arsenic	16.65		ug/l	5	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19987-10	Arsenic	10.5		ug/l	5	2.7	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19964-9	Arsenic	9.5		ug/l	5	2.7	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T20073-5	Arsenic	8.5		ug/l	5	2.7	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19944-3	Arsenic	8.2		ug/l	5	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T20073-7	Arsenic	7.6		ug/l	5	2.7	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19964-6	Arsenic	7.5		ug/l	5	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19987-13	Arsenic	6.6		ug/l	5	2.7	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19878-14	Arsenic	4.6		ug/l	5	2.7	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19861-9	Arsenic	3.8	B	ug/l	5	2.7	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-3	Arsenic	3.5	B	ug/l	5	2.7	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-3	Arsenic	2.8	B	ug/l	5	2.7	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19891-10	Arsenic	2.7	B	ug/l	5	2.7	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19861-17	Benzene	0.0145		mg/l	0.002	0.00023	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-3	Benzene	0.003		mg/l	0.002	0.00023	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19878-18	Benzene	0.0012	J	mg/l	0.002	0.00046	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19861-3	Benzene	0.00065	J	mg/l	0.002	0.00023	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19927-6	bis(2-Ethylh	0.007	J	mg/l	0.0051	0.0015	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19891-13	Chromium,	0.059		mg/l	0.01	0.004	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T20073-7	Copper	10.1	B	ug/l	25	5.9	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T20073-5	Copper	7.6	B	ug/l	25	5.9	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19987-13	Copper	6.7	B	ug/l	25	5.9	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-10	Copper	6.4	B	ug/l	25	5.9	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19964-6	Di-n-butyl p	0.0063		mg/l	0.005	0.0016	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19944-3	Lead	19.5		ug/l	3	2.8	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19878-18	Lead	10		ug/l	3	2.8	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19987-13	Lead	8.7		ug/l	3	2.8	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-7	Lead	7.2		ug/l	3	2.8	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19987-10	Lead	5.7		ug/l	3	2.8	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19944-3	Manganese	4120		ug/l	15	4.1	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-9	Manganese	2150		ug/l	15	4.1	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19944-7	Manganese	2140		ug/l	15	4.1	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19860-3	Naphthalen	0.163		mg/l	0.015	0.0044	3	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-15	Naphthalen	0.0273		mg/l	0.005	0.0015	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-6	Naphthalen	0.0256		mg/l	0.005	0.0015	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-3	n-Butylbenz	0.0087		mg/l	0.002	0.0006	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	n-Butylbenz	0.0016	J	mg/l	0.002	0.0006	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	Nickel	51.6		ug/l	40	2.6	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-3	Thallium	6.7	B	ug/l	10	2.7	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-9	Thallium	6.2	B	ug/l	10	2.7	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19861-3	Thallium	5.1	B	ug/l	10	2.7	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19861-17	Thallium	5.1	B	ug/l	10	2.7	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	Thallium	4.8	B	ug/l	10	2.7	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Thallium	4.8	B	ug/l	10	2.7	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19927-10	Thallium	4.8	B	ug/l	10	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19944-3	Thallium	4.2	B	ug/l	10	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-6	Thallium	4.1	B	ug/l	10	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19964-9	Thallium	3.7	B	ug/l	10	2.7	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19891-13	Thallium	3.5	B	ug/l	10	2.7	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19927-6	Thallium	3.5	B	ug/l	10	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19878-14	Thallium	2.9	B	ug/l	10	2.7	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T20073-5	Thallium	2.9	B	ug/l	10	2.7	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19944-3	Zinc	196		ug/l	20	7.5	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

DRAFT
Surface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Arsenic	7.2		mg/kg	1.8	0.37	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Arsenic	2.5		mg/kg	1.5	0.29	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19944-10	Arsenic	3.1		mg/kg	1.3	0.26	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19944-1	Arsenic	0.002		mg/kg	1.3	0.25	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19987-1	Arsenic	2.8		mg/kg	1.2	0.24	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19860-1	Arsenic	2.6		mg/kg	0.98	0.2	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19878-1	Arsenic	2.6		mg/kg	0.99	0.2	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19944-12	Arsenic	2.5		mg/kg	1.1	0.21	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19987-8	Arsenic	2.4		mg/kg	1.1	0.22	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19987-11	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19861-15	Arsenic	2		mg/kg	1.1	0.22	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19878-12	Arsenic	2		mg/kg	1.2	0.24	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19927-8	Arsenic	2		mg/kg	0.81	0.16	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19878-5	Arsenic	1.8		mg/kg	1	0.21	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19891-1	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19964-1	Arsenic	1.6		mg/kg	1.1	0.22	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19987-5	Arsenic	1.5		mg/kg	1.2	0.25	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19944-4	Arsenic	1.45		mg/kg	1	0.21	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19964-7	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19944-8	Arsenic	1.3		mg/kg	0.94	0.19	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19964-4	Arsenic	1.3		mg/kg	1.1	0.21	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19861-10	Arsenic	1.2		mg/kg	0.92	0.18	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-14	Arsenic	1.1		mg/kg	1.1	0.23	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19891-3	Arsenic	1.035	B	mg/kg	1.1	0.23	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19878-3	Arsenic	0.93	B	mg/kg	1	0.2	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19878-10	Arsenic	0.86	B	mg/kg	1.1	0.23	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19861-7	Arsenic	0.83	B	mg/kg	1.1	0.23	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19891-6	Arsenic	0.72	B	mg/kg	1.2	0.24	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19891-8	Arsenic	0.66	B	mg/kg	1.2	0.24	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19878-16	Arsenic	0.58	B	mg/kg	1.1	0.21	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19860-4	Arsenic	0.57	B	mg/kg	0.86	0.17	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19927-4	Arsenic	0.53	B	mg/kg	1.1	0.22	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19860-13	Arsenic	0.51	B	mg/kg	1.4	0.28	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19861-15	Barium	1250		mg/kg	22	0.067	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19987-8	Barium	944		mg/kg	22	0.066	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19987-11	Barium	381		mg/kg	23	0.069	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19860-7	Benzo(a)anthracene	3.97		mg/kg	2.2	0.82	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Benzo(a)anthracene	2.07		mg/kg	0.44	0.16	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Benzo(a)anthracene	0.648		mg/kg	0.19	0.072	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19861-10	Benzo(a)pyrene	0.775		mg/kg	0.19	0.063	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-7	Benzo(a)pyrene	0.766	J	mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-4	Benzo(a)pyrene	0.172	J	mg/kg	0.19	0.062	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19891-8	Benzo(a)pyrene	0.0985	J	mg/kg	0.21	0.069	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19861-10	Benzo(b)fluoranthene	1.03		mg/kg	0.19	0.082	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-4	Benzo(b)fluoranthene	0.218		mg/kg	0.19	0.08	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19891-8	Benzo(b)fluoranthene	0.181	J	mg/kg	0.21	0.089	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19964-4	Cadmium	1.1		mg/kg	0.54	0.11	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19861-15	Cadmium	0.56		mg/kg	0.56	0.11	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T20073-8	Chromium	4.9		mg/kg	1.8	0.13	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Chromium	1.7		mg/kg	1.5	0.1	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19861-4	Chromium	50.5	B	mg/kg	1.2	0.087	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S
T19944-1	Chromium	14.9		mg/kg	1.3	0.089	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19861-15	Chromium	13.3		mg/kg	1.1	0.079	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19860-1	Chromium	11.3		mg/kg	0.98	0.069	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19944-10	Chromium	10.4		mg/kg	1.3	0.09	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19964-1	Chromium	9.6		mg/kg	1.1	0.078	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19878-12	Chromium	9		mg/kg	1.2	0.085	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19944-12	Chromium	8.9		mg/kg	1.1	0.074	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19878-3	Chromium	8.3		mg/kg	1	0.072	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19987-1	Chromium	7.8		mg/kg	1.2	0.085	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19878-1	Chromium	7.4		mg/kg	0.99	0.07	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19891-1	Chromium	6.9		mg/kg	1.1	0.077	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19944-8	Chromium	6.7		mg/kg	0.94	0.066	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19987-8	Chromium	6.4		mg/kg	1.1	0.077	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19891-3	Chromium	5.15		mg/kg	1.1	0.08	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19891-8	Chromium	5.1		mg/kg	1.2	0.084	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19944-4	Chromium	5.05		mg/kg	1	0.072	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19987-11	Chromium	4.9		mg/kg	1.2	0.081	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19861-10	Chromium	4.5		mg/kg	0.92	0.064	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19987-5	Chromium	4.5		mg/kg	1.2	0.086	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S

DRAFT
Surface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19927-4	Chromium	4.2		mg/kg	1.1	0.076	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19878-10	Chromium	4		mg/kg	1.1	0.08	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19891-6	Chromium	4		mg/kg	1.2	0.083	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19891-14	Chromium	3.9		mg/kg	1.1	0.08	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19878-5	Chromium	3.8		mg/kg	1	0.072	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19964-4	Chromium	3.7		mg/kg	1.1	0.075	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19861-7	Chromium	3.6		mg/kg	1.1	0.08	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19927-8	Chromium	3.6		mg/kg	0.81	0.056	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19861-12	Chromium	2.9		mg/kg	1.1	0.078	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19860-13	Chromium	2.8		mg/kg	1.4	0.097	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19878-16	Chromium	2.8		mg/kg	1.1	0.074	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19860-4	Chromium	2.3		mg/kg	0.86	0.06	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19964-7	Chromium	2		mg/kg	1.1	0.075	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19891-16	Chromium	1.714		mg/kg	0.0065	0.00046	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
T19878-8	Chromium	1.6		mg/kg	0.97	0.068	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
T19927-1	Chromium	1.45		mg/kg	0.94	0.066	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
T19891-11	Chromium	1.4		mg/kg	1	0.072	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
T19860-9	Chromium	1.25		mg/kg	1.1	0.077	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19860-7	Chromium	0.92	B	mg/kg	1.1	0.074	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19861-1	Chromium	0.9		mg/kg	0.9	0.063	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
T19861-18	Chromium	0.77	B	mg/kg	1.3	0.091	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19860-1	Chromium, Hexavalent (a)	3.1		mg/kg	2.7	1.3	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19861-12	Chromium, Hexavalent (a)	1.9	B	mg/kg	2.4	1.2	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19891-1	Chromium, Hexavalent (a)	1.8	B	mg/kg	2	1	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19861-10	Chromium, Hexavalent (a)	1.4	B	mg/kg	2.4	1.2	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19861-1	Chromium, Hexavalent (a)	1.3	B	mg/kg	2.3	1.1	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
T19944-4	Chromium, Hexavalent (a)	1.3	J	mg/kg	2.6	1.3	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19987-8	Chromium, Hexavalent (a)	1.2	B	mg/kg	2.4	1.2	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19860-7	Chrysene	41.2		mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Chrysene	18.905		mg/kg	4.4	1.4	20	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Indeno(1,2,3-cd)pyrene	0.813		mg/kg	0.19	0.075	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-4	Indeno(1,2,3-cd)pyrene	0.192		mg/kg	0.19	0.074	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19861-10	Dibenzo(a,h)anthracene	0.281		mg/kg	0.19	0.068	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19878-16	Lead	80.7		mg/kg	1.1	0.43	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19861-15	Lead	80.6		mg/kg	1.1	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19891-8	Lead	55.8		mg/kg	1.2	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19944-10	Lead	23.8		mg/kg	1.3	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19891-3	Lead	22.45		mg/kg	1.1	0.46	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19987-1	Lead	20.9		mg/kg	1.2	0.49	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19878-5	Lead	19.75		mg/kg	1	0.41	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19878-1	Lead	18.9		mg/kg	0.99	0.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19944-4	Lead	18.8		mg/kg	1	0.41	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19878-3	Lead	17.7		mg/kg	1	0.41	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19878-10	Lead	17.1		mg/kg	1.1	0.46	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19878-12	Lead	16.1		mg/kg	1.2	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19964-1	Lead	14.75		mg/kg	1.1	0.45	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19944-8	Lead	12.7		mg/kg	0.94	0.37	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19944-12	Lead	11.6		mg/kg	1.1	0.42	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T20073-8	Manganese	319		mg/kg	2.8	0.13	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-8	Vanadium	10.5		mg/kg	9.2	0.22	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T19944-1	Vanadium	29.3		mg/kg	6.3	0.15	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19860-1	Vanadium	22.3		mg/kg	4.9	0.12	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19964-1	Vanadium	17.25		mg/kg	5.6	0.13	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19944-10	Vanadium	16.6		mg/kg	6.4	0.15	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19944-12	Vanadium	16.2		mg/kg	5.3	0.13	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19987-8	Vanadium	16		mg/kg	5.5	0.13	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19987-1	Vanadium	15.8		mg/kg	6.1	0.15	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19987-11	Vanadium	13.2		mg/kg	5.8	0.14	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19944-8	Vanadium	12.8		mg/kg	4.7	0.11	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19878-12	Vanadium	10.6		mg/kg	6.1	0.15	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19944-4	Vanadium	10.5		mg/kg	5.2	0.12	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19891-1	Vanadium	9.6		mg/kg	5.5	0.13	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19927-8	Vanadium	9.1		mg/kg	4	0.097	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19987-5	Vanadium	7.8		mg/kg	6.1	0.15	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19861-10	Pyrene	1.58		mg/kg	0.19	0.095	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T20073-8	Zinc	144		mg/kg	3.7	0.74	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T19861-15	Zinc	232		mg/kg	2.2	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19944-1	Zinc	156		mg/kg	2.5	0.51	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19878-12	Zinc	143		mg/kg	2.4	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19891-6	Zinc	129		mg/kg	2.4	0.47	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19891-8	Zinc	92.6		mg/kg	2.4	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19964-4	Zinc	85.3		mg/kg	2.1	0.43	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19861-7	Zinc	80.3		mg/kg	2.3	0.46	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19944-10	Zinc	79		mg/kg	2.6	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19927-1	Zinc	59		mg/kg	1.9	0.38	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
T19944-12	Zinc	59		mg/kg	2.1	0.42	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19987-11	Zinc	48.5		mg/kg	2.3	0.46	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19891-14	Zinc	48		mg/kg	2.3	0.46	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S

Above EPA RSL Residential Soil

Above EPA Eco SSL

Above RSL Residential Soil and Eco SSL

DRAFT
Surface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

	Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
	T19944-1	Aluminum	25400		mg/kg	25	5.5	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19964-1	Aluminum	15650		mg/kg	22	4.9	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
	T19944-10	Aluminum	14400		mg/kg	26	5.6	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19860-1	Aluminum	14300		mg/kg	20	4.3	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
	T19944-12	Aluminum	14200		mg/kg	21	4.6	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
	T19944-8	Aluminum	12200		mg/kg	19	4.1	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
	T19987-8	Aluminum	9900		mg/kg	22	4.8	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
	T19987-1	Aluminum	9850		mg/kg	24	5.3	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19891-1	Aluminum	8090		mg/kg	22	4.8	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
	T19944-4	Aluminum	7830		mg/kg	21	4.5	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19878-12	Aluminum	7070		mg/kg	24	5.3	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19944-10	Arsenic	3.1		mg/kg	1.3	0.26	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19944-1	Arsenic	3		mg/kg	1.3	0.25	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19987-1	Arsenic	2.8		mg/kg	1.2	0.24	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19860-1	Arsenic	2.6		mg/kg	0.98	0.2	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
	T19878-1	Arsenic	2.6		mg/kg	0.99	0.2	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
	T19944-12	Arsenic	2.5		mg/kg	1.1	0.21	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
	T19987-8	Arsenic	2.4		mg/kg	1.1	0.22	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
	T19987-11	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
	T19861-15	Arsenic	2		mg/kg	1.1	0.22	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19878-12	Arsenic	2		mg/kg	1.2	0.24	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19927-8	Arsenic	2		mg/kg	0.81	0.16	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
	T19878-5	Arsenic	1.8		mg/kg	1	0.21	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
	T19891-1	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
	T19964-1	Arsenic	1.6		mg/kg	1.1	0.22	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
	T19987-5	Arsenic	1.5		mg/kg	1.2	0.25	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
	T19944-4	Arsenic	1.45		mg/kg	1	0.21	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19964-7	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
	T19944-8	Arsenic	1.3		mg/kg	0.94	0.19	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
	T19964-4	Arsenic	1.3		mg/kg	1.1	0.21	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
	T19861-10	Arsenic	1.2		mg/kg	0.92	0.18	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19891-14	Arsenic	1.1		mg/kg	1.1	0.23	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
	T19891-3	Arsenic	1.035	B	mg/kg	1.1	0.23	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
	T19878-3	Arsenic	0.93	B	mg/kg	1	0.2	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
	T19878-10	Arsenic	0.86	B	mg/kg	1.1	0.23	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
	T19861-7	Arsenic	0.83	B	mg/kg	1.1	0.23	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
b exceeds	T19891-6	Arsenic	0.72	B	mg/kg	1.2	0.24	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
	T19891-8	Arsenic	0.66	B	mg/kg	1.2	0.24	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19878-16	Arsenic	0.58	B	mg/kg	1.1	0.21	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
	T19860-4	Arsenic	0.57	B	mg/kg	0.86	0.17	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19927-4	Arsenic	0.53	B	mg/kg	1.1	0.22	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
	T19860-13	Arsenic	0.51	B	mg/kg	1.4	0.28	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
	T19861-15	Barium	1250		mg/kg	22	0.067	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19987-8	Barium	944		mg/kg	22	0.066	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
	T19987-11	Barium	381		mg/kg	23	0.069	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
	T19860-7	Benzo(a)anthracene	3.97		mg/kg	2.2	0.82	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
	T19860-9	Benzo(a)anthracene	2.07		mg/kg	0.44	0.16	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
	T19861-10	Benzo(a)anthracene	0.648		mg/kg	0.19	0.072	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
Do not	T19891-8	Benzo(a)anthracene	0.142	J	mg/kg	0.21	0.079	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19860-4	Benzo(a)anthracene	0.121	J	mg/kg	0.19	0.071	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19861-10	Benzo(a)pyrene	0.775		mg/kg	0.19	0.063	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19860-7	Benzo(a)pyrene	0.766	J	mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
	T19860-4	Benzo(a)pyrene	0.172	J	mg/kg	0.19	0.062	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19891-8	Benzo(a)pyrene	0.0985	J	mg/kg	0.21	0.069	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19861-10	Benzo(b)fluoranthene	1.03		mg/kg	0.19	0.082	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19860-4	Benzo(b)fluoranthene	0.218		mg/kg	0.19	0.08	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19891-8	Benzo(b)fluoranthene	0.181	J	mg/kg	0.21	0.089	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19861-4	Chromium	50.5	B	mg/kg	1.2	0.087	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S
	T19944-1	Chromium	14.9		mg/kg	1.3	0.089	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19861-15	Chromium	13.3		mg/kg	1.1	0.079	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19860-1	Chromium	11.3		mg/kg	0.98	0.069	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
	T19944-10	Chromium	10.4		mg/kg	1.3	0.09	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19964-1	Chromium	9.6		mg/kg	1.1	0.078	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
	T19878-12	Chromium	9		mg/kg	1.2	0.085	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19944-12	Chromium	8.9		mg/kg	1.1	0.074	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
	T19878-3	Chromium	8.3		mg/kg	1	0.072	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
	T19987-1	Chromium	7.8		mg/kg	1.2	0.085	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19878-1	Chromium	7.4		mg/kg	0.99	0.07	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
	T19891-1	Chromium	6.9		mg/kg	1.1	0.077	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
	T19944-8	Chromium	6.7		mg/kg	0.94	0.066	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
	T19987-8	Chromium	6.4		mg/kg	1.1	0.077	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
	T19891-3	Chromium	5.15		mg/kg	1.1	0.08	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
	T19891-8	Chromium	5.1		mg/kg	1.2	0.084	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19944-4	Chromium	5.05		mg/kg	1	0.072	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19987-11	Chromium	4.9		mg/kg	1.2	0.081	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
	T19861-10	Chromium	4.5		mg/kg	0.92	0.064	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19987-5	Chromium	4.5		mg/kg	1.2	0.086	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
	T19927-4	Chromium	4.2		mg/kg	1.1	0.076	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
	T19878-10	Chromium	4		mg/kg	1.1	0.08	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
	T19891-6	Chromium	4		mg/kg	1.2	0.083	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
	T19891-14	Chromium	3.9		mg/kg	1.1	0.08	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
	T19878-5	Chromium	3.8		mg/kg	1	0.072	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
	T19964-4	Chromium	3.7		mg/kg	1.1	0.075	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
	T19861-7	Chromium	3.6		mg/kg	1.1	0.08	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
	T19927-8	Chromium	3.6		mg/kg	0.81	0.056	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
	T19861-12	Chromium	2.9		mg/kg	1.1	0.078	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
	T19860-13	Chromium	2.8		mg/kg	1.4	0.097	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
	T19878-16	Chromium	2.8		mg/kg	1.1	0.074	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
	T19860-4	Chromium	2.3		mg/kg	0.86	0.06	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19964-7	Chromium	2		mg/kg	1.1	0.075	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S

DRAFT
Surface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

	Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
	T19891-16	Chromium	1.714		mg/kg	0.0065	0.00046	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
	T19878-8	Chromium	1.6		mg/kg	0.97	0.068	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
	T19927-1	Chromium	1.45		mg/kg	0.94	0.066	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
	T19891-11	Chromium	1.4		mg/kg	1	0.072	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
	T19860-9	Chromium	1.25		mg/kg	1.1	0.077	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
	T19860-7	Chromium	0.92	B	mg/kg	1.1	0.074	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
	T19861-1	Chromium	0.9		mg/kg	0.9	0.063	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
	T19861-18	Chromium	0.77	B	mg/kg	1.3	0.091	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
Also both	T19861-15	Copper	23.5		mg/kg	2.8	0.15	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19861-10	Dibenzo(a,h)anthracene	0.281		mg/kg	0.19	0.068	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19861-10	Indeno(1,2,3-cd)pyrene	0.813		mg/kg	0.19	0.075	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19860-4	Indeno(1,2,3-cd)pyrene	0.192		mg/kg	0.19	0.074	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19944-1	Iron	15100		mg/kg	13	2.8	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19878-16	Lead	80.7		mg/kg	1.1	0.43	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
	T19861-15	Lead	80.6		mg/kg	1.1	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19891-8	Lead	55.8		mg/kg	1.2	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19944-10	Lead	23.8		mg/kg	1.3	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19891-3	Lead	22.45		mg/kg	1.1	0.46	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
	T19987-1	Lead	20.9		mg/kg	1.2	0.49	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19878-5	Lead	19.75		mg/kg	1	0.41	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
	T19878-1	Lead	18.9		mg/kg	0.99	0.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
	T19944-4	Lead	18.8		mg/kg	1	0.41	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19878-3	Lead	17.7		mg/kg	1	0.41	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
	T19878-10	Lead	17.1		mg/kg	1.1	0.46	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
	T19878-12	Lead	16.1		mg/kg	1.2	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19861-15	Mercury	0.74		mg/kg	0.098	0.0039	5	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19944-1	Mercury	0.079		mg/kg	0.027	0.0011	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19878-5	Mercury	0.049		mg/kg	0.018	0.0007	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
	T19860-1	Selenium	0.37	B	mg/kg	0.98	0.24	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
	T19860-9	Selenium	0.305	B	mg/kg	1.1	0.27	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
	T19944-1	Vanadium	29.3		mg/kg	6.3	0.15	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19860-1	Vanadium	22.3		mg/kg	4.9	0.12	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
	T19964-1	Vanadium	17.25		mg/kg	5.6	0.13	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
	T19944-10	Vanadium	16.6		mg/kg	6.4	0.15	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19944-12	Vanadium	16.2		mg/kg	5.3	0.13	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
	T19987-8	Vanadium	16		mg/kg	5.5	0.13	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
	T19987-1	Vanadium	15.8		mg/kg	6.1	0.15	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19987-11	Vanadium	13.2		mg/kg	5.8	0.14	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
	T19944-8	Vanadium	12.8		mg/kg	4.7	0.11	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
	T19878-12	Vanadium	10.6		mg/kg	6.1	0.15	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19944-4	Vanadium	10.5		mg/kg	5.2	0.12	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19891-1	Vanadium	9.6		mg/kg	5.5	0.13	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
	T19927-8	Vanadium	9.1		mg/kg	4	0.097	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
	T19987-5	Vanadium	7.8		mg/kg	6.1	0.15	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
	T19861-10	Vanadium	7.7		mg/kg	4.6	0.11	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
	T19964-4	Vanadium	7		mg/kg	5.4	0.13	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
	T19891-3	Vanadium	6.85		mg/kg	5.7	0.14	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
	T19891-14	Vanadium	6.6		mg/kg	5.7	0.14	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
	T19861-7	Vanadium	6.1		mg/kg	5.7	0.14	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
	T19878-10	Vanadium	5.8		mg/kg	5.7	0.14	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
	T19878-5	Vanadium	5.25		mg/kg	5.1	0.12	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
	T19860-4	Vanadium	5.1		mg/kg	4.3	0.1	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
	T19861-15	Vanadium	5.1	B	mg/kg	5.6	0.13	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19878-3	Vanadium	4.9	B	mg/kg	5.1	0.12	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
	T19964-7	Vanadium	4.8	B	mg/kg	5.4	0.13	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
	T19860-13	Vanadium	4.7	B	mg/kg	6.9	0.17	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
	T19891-6	Vanadium	4.5	B	mg/kg	5.9	0.14	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
	T19878-16	Vanadium	4.1	B	mg/kg	5.3	0.13	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
	T19891-8	Vanadium	4.1	B	mg/kg	6	0.14	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19927-4	Vanadium	3.5	B	mg/kg	5.5	0.13	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
	T19891-16	Vanadium	2.925		mg/kg	0.033	0.00078	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
	T19861-12	Vanadium	2.4	B	mg/kg	5.5	0.13	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
	T19891-11	Vanadium	2.4	B	mg/kg	5.2	0.12	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
	T19878-8	Vanadium	2.3	B	mg/kg	4.8	0.12	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
	T19878-1	Vanadium	2.1	B	mg/kg	5	0.12	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
	T19861-15	Zinc	232		mg/kg	2.2	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
	T19944-1	Zinc	156		mg/kg	2.5	0.51	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
	T19878-12	Zinc	143		mg/kg	2.4	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
	T19891-6	Zinc	129		mg/kg	2.4	0.47	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
	T19891-8	Zinc	92.6		mg/kg	2.4	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
	T19964-4	Zinc	85.3		mg/kg	2.1	0.43	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
	T19861-7	Zinc	80.3		mg/kg	2.3	0.46	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
	T19944-10	Zinc	79		mg/kg	2.6	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
	T19927-1	Zinc	59		mg/kg	1.9	0.38	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
	T19944-12	Zinc	59		mg/kg	2.1	0.42	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
	T19987-11	Zinc	48.5		mg/kg	2.3	0.46	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
	T19891-14	Zinc	48		mg/kg	2.3	0.46	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
	T19891-1	Zinc	44.1		mg/kg	2.2	0.44	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
	T19860-13	Zinc	40.7		mg/kg	2.8	0.55	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
	T19891-3	Zinc	40.65		mg/kg	2.3	0.46	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
	T19944-4	Zinc	40.2		mg/kg	2.1	0.41	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
	T19878-3	Zinc	39.5		mg/kg	2	0.41	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
	T19878-16	Zinc	35		mg/kg	2.1	0.43	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
	T19987-1	Zinc	31.8		mg/kg	2.4	0.49	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
	T19878-1	Zinc	31.1		mg/kg	2	0.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
	T19878-10	Zinc	30.2		mg/kg	2.3	0.46	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Subsurface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	1,2,4-Trimethylbenzene	0.14		mg/kg	0.0058	0.0013	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1,2,4-Trimethylbenzene	0.0796		mg/kg	0.006	0.0013	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19861-13	1-Methylnaphthalene	0.447		mg/kg	0.2	0.047	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1-Methylnaphthalene	0.002	J	mg/kg	0.2	0.048	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19878-7	1-Methylnaphthalene	0.0507	J	mg/kg	0.21	0.049	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19860-5	1-Methylnaphthalene	0.046	J	mg/kg	0.19	0.046	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10
T19861-13	2-Methylnaphthalene	0.708		mg/kg	0.2	0.052	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19987-9	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19987-12	Arsenic	2.1		mg/kg	1.1	0.22	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19878-7	Arsenic	1.7		mg/kg	1.2	0.25	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19944-6	Arsenic	1.7		mg/kg	0.91	0.18	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19964-5	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19891-2	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19891-15	Arsenic	1.2		mg/kg	1.1	0.21	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19944-13	Arsenic	1.1		mg/kg	0.81	0.16	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19927-3	Arsenic	1		mg/kg	1	0.21	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19927-5	Arsenic	1		mg/kg	0.69	0.14	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19964-8	Arsenic	0.81	B	mg/kg	1.2	0.24	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19944-2	Arsenic	0.8	B	mg/kg	1.1	0.22	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19927-9	Arsenic	0.78		mg/kg	0.7	0.14	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19891-5	Arsenic	0.74	B	mg/kg	1.1	0.23	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19987-6	Arsenic	0.7	B	mg/kg	1.2	0.23	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19987-2	Arsenic	0.62	B	mg/kg	1.1	0.22	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19944-9	Arsenic	0.58	B	mg/kg	0.8	0.16	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19891-12	Arsenic	0.54	B	mg/kg	1.2	0.24	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19944-11	Arsenic	0.54	B	mg/kg	1.1	0.22	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19861-16	Arsenic	0.47	B	mg/kg	1	0.2	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19878-17	Arsenic	0.44	B	mg/kg	1.2	0.24	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19878-13	Arsenic	0.41	B	mg/kg	1.3	0.26	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19878-2	Arsenic	0.38	B	mg/kg	1	0.2	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19861-2	Arsenic	0.34	B	mg/kg	0.69	0.14	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19891-7	Arsenic	0.33	B	mg/kg	1.2	0.23	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19878-9	Arsenic	0.3	B	mg/kg	1.1	0.22	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58
T19861-8	Arsenic	0.29	B	mg/kg	0.81	0.16	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19860-2	Arsenic	0.26	B	mg/kg	1.1	0.22	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56
T19861-6	Arsenic	0.23	B	mg/kg	0.57	0.11	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19964-3	Arsenic	0.23	B	mg/kg	1.1	0.22	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19878-17	Chromium, Hexavalent (a)	1.6	B	mg/kg	2.4	1.2	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19891-7	Chromium, Hexavalent (a)	1.3	B	mg/kg	2	1	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19891-9	Chromium, Hexavalent (a)	1.3	B	mg/kg	2	1	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19878-4	Chromium, Hexavalent (a)	1.2	B	mg/kg	2.4	1.2	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39
T19944-9	Chromium, Hexavalent (a)	1.1	B	mg/kg	2.3	1.1	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19891-15	Cobalt	1.9	B	mg/kg	5.4	0.19	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19927-3	Cobalt	1.9	B	mg/kg	5.2	0.19	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19944-6	Cobalt	1.7	B	mg/kg	4.6	0.16	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19987-12	Cobalt	1.5	B	mg/kg	5.5	0.2	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19891-2	Cobalt	1.2	B	mg/kg	5.4	0.19	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19891-12	Cobalt	1.1	B	mg/kg	5.9	0.21	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19891-7	Cobalt	0.99	B	mg/kg	5.8	0.21	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19964-8	Cobalt	0.84	B	mg/kg	5.9	0.21	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19964-5	Cobalt	0.78	B	mg/kg	5.4	0.2	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19891-18	Cobalt	0.73	B	mg/kg	5.6	0.2	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19861-8	Cobalt	0.72	B	mg/kg	4	0.15	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19987-2	Cobalt	0.715	B	mg/kg	5.5	0.2	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19878-7	Cobalt	0.69	B	mg/kg	6.2	0.22	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19944-9	Cobalt	0.61	B	mg/kg	4	0.14	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19878-2	Cobalt	0.58	B	mg/kg	5.1	0.18	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19987-9	Cobalt	0.58	B	mg/kg	5.8	0.21	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19861-16	Cobalt	0.56	B	mg/kg	5	0.18	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19944-11	Cobalt	0.56	B	mg/kg	5.4	0.2	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19944-13	Cobalt	0.55	B	mg/kg	4.1	0.15	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19927-5	Cobalt	0.5	B	mg/kg	3.4	0.12	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19927-9	Cobalt	0.48	B	mg/kg	3.5	0.13	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19861-2	Cobalt	0.44	B	mg/kg	3.4	0.12	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19891-5	Cobalt	0.39	B	mg/kg	5.6	0.2	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19861-6	Cobalt	0.35	B	mg/kg	2.9	0.1	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19944-2	Cobalt	0.34	B	mg/kg	5.4	0.19	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19964-3	Cobalt	0.31	B	mg/kg	5.5	0.2	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19987-6	Cobalt	0.26	B	mg/kg	5.9	0.21	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19878-17	Cobalt	0.25	B	mg/kg	6	0.22	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19878-13	Cobalt	0.24	B	mg/kg	6.4	0.23	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19927-3	Iron	7950		mg/kg	10	2.3	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19987-12	Iron	5250		mg/kg	11	2.5	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19891-15	Iron	4970		mg/kg	11	2.4	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19944-6	Iron	4560		mg/kg	9.1	2	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19861-8	Iron	4410		mg/kg	8.1	1.8	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19878-7	Iron	3080		mg/kg	12	2.8	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19891-12	Iron	2910		mg/kg	12	2.6	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19927-5	Iron	2710		mg/kg	6.9	1.5	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19891-18	Iron	2700		mg/kg	11	2.5	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19861-16	Iron	2680		mg/kg	10	2.2	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-7	Iron	2610		mg/kg	12	2.6	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19891-2	Iron	2590		mg/kg	11	2.4	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19878-2	Iron	2220		mg/kg	10	2.3	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19861-6	Iron	2000		mg/kg	5.7	1.3	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19987-9	Iron	1930		mg/kg	12	2.6	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19861-2	Iron	1900		mg/kg	6.9	1.5	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19944-9	Iron	1880		mg/kg	8	1.8	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19944-13	Iron	1790		mg/kg	8.1	1.8	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19964-5	Iron	1780		mg/kg	11	2.4	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19964-8	Iron	1400		mg/kg	12	2.7	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55

DRAFT
Subsurface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19987-2	Iron	1350		mg/kg	10	2.3	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	
T19891-5	Iron	1280		mg/kg	11	2.5	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	
T19927-9	Iron	1280		mg/kg	7	1.6	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	
T19944-2	Iron	1280		mg/kg	11	2.4	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	
T19878-17	Iron	1270		mg/kg	12	2.7	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	
T19878-13	Iron	1230		mg/kg	13	2.9	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	
T19944-11	Iron	1130		mg/kg	11	2.4	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	
T19987-6	Iron	954		mg/kg	11	2.5	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	
T19964-3	Iron	693		mg/kg	11	2.5	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	
T19861-19	Iron	624		mg/kg	8	1.8	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19878-11	Iron	548		mg/kg	12	2.7	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	
T19878-9	Iron	529		mg/kg	11	2.4	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	
T19860-11	Iron	494		mg/kg	9.9	2.2	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	
T19878-4	Iron	381		mg/kg	9.8	2.2	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	
T19860-8	Iron	363		mg/kg	12	2.6	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19861-11	Iron	341		mg/kg	11	2.4	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	
T19891-9	Iron	270		mg/kg	11	2.5	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	
T19878-7	Lead	26		mg/kg	1.2	0.49	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	
T19944-6	Manganese	241		mg/kg	1.4	0.064	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	
T19987-9	Manganese	153		mg/kg	1.7	0.082	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	
T19891-15	Manganese	146		mg/kg	1.6	0.075	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	
T19964-5	Manganese	134		mg/kg	1.6	0.076	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	
T19891-2	Manganese	130		mg/kg	1.6	0.075	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	
T19987-12	Manganese	112		mg/kg	1.7	0.077	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19987-6	Manganese	76.3		mg/kg	1.8	0.082	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	
T19891-5	Manganese	75		mg/kg	1.7	0.079	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	
T19964-8	Manganese	73		mg/kg	1.8	0.083	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	
T19987-2	Manganese	70.05		mg/kg	1.7	0.077	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	
T19944-11	Manganese	69.5		mg/kg	1.6	0.076	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	
T19891-18	Manganese	54.3		mg/kg	1.7	0.078	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	
T19927-9	Manganese	51.3		mg/kg	1	0.049	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	
T19891-7	Manganese	49.3		mg/kg	1.7	0.081	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	
T19927-3	Manganese	36		mg/kg	1.6	0.072	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19944-2	Manganese	31.7		mg/kg	1.6	0.076	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	
T19944-13	Manganese	29		mg/kg	1.2	0.057	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	
T19927-5	Manganese	21.3		mg/kg	1	0.048	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	
T19860-5	Mercury	0.59		mg/kg	0.019	0.0008	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	
T19860-14	Mercury	0.055		mg/kg	0.023	0.0009	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	
T19878-13	Mercury	0.055		mg/kg	0.019	0.0008	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	
T19891-15	Mercury	0.054		mg/kg	0.018	0.0007	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	
T19861-8	Mercury	0.048		mg/kg	0.017	0.0007	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	
T19861-6	Mercury	0.033		mg/kg	0.018	0.0007	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	
T19878-7	Methylene chloride	0.0999		mg/kg	0.012	0.003	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	
T19878-11	Methylene chloride	0.0334		mg/kg	0.013	0.0031	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	
T19861-19	Methylene chloride	0.016		mg/kg	0.012	0.0029	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19860-2	Methylene chloride	0.0146		mg/kg	0.013	0.0031	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	
T19861-16	Methylene chloride	0.0143		mg/kg	0.011	0.0028	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	
T19860-8	Methylene chloride	0.0101	J	mg/kg	0.013	0.0031	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19860-5	Methylene chloride	0.0078	J	mg/kg	0.012	0.0029	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	
T19860-14	Methylene chloride	0.0078	J	mg/kg	0.014	0.0033	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	
T19861-13	Methylene chloride	0.0076	J	mg/kg	0.012	0.0029	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19860-11	Methylene chloride	0.0072	J	mg/kg	0.013	0.0031	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	
T19878-17	Methylene chloride	0.006	J	mg/kg	0.012	0.0029	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	
T19944-11	Methylene chloride	0.0058	J	mg/kg	0.012	0.0028	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	
T19944-9	Methylene chloride	0.0053	J	mg/kg	0.011	0.0026	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	
T19878-13	Methylene chloride	0.0049	J	mg/kg	0.013	0.0031	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	
T19861-6	Methylene chloride	0.0048	J	mg/kg	0.011	0.0026	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	
T19927-9	Methylene chloride	0.0044	J	mg/kg	0.012	0.0029	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	
T19944-13	Methylene chloride	0.0044	J	mg/kg	0.012	0.003	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	
T19861-11	Methylene chloride	0.0042	J	mg/kg	0.011	0.0027	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	
T19861-2	Methylene chloride	0.0039	J	mg/kg	0.011	0.0027	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	
T19878-9	Methylene chloride	0.0034	J	mg/kg	0.011	0.0028	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	
T19927-3	Methylene chloride	0.0034	J	mg/kg	0.01	0.0025	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19927-5	Methylene chloride	0.0031	J	mg/kg	0.011	0.0028	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	
T19987-12	Methylene chloride	0.0031	J	mg/kg	0.012	0.0029	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19878-2	Methylene chloride	0.003	J	mg/kg	0.011	0.0027	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	
T19861-19	Naphthalene	0.41		mg/kg	0.2	0.049	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19861-13	Naphthalene	0.177	J	mg/kg	0.2	0.048	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19878-7	Naphthalene	0.157	J	mg/kg	0.21	0.05	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	
T19927-3	Vanadium	13.7		mg/kg	5.2	0.12	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19891-15	Vanadium	13		mg/kg	5.4	0.13	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	
T19987-12	Vanadium	12.1		mg/kg	5.5	0.13	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19944-6	Vanadium	11		mg/kg	4.6	0.11	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	
T19861-19	Ethylbenzene	0.0275		mg/kg	0.006	0.0015	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19861-13	Ethylbenzene	0.0061		mg/kg	0.0058	0.0015	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19860-8	Ethylbenzene	0.0026	J	mg/kg	0.0064	0.0016	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19891-15	Lead	9.3		mg/kg	1.1	0.43	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	TCEQ
T19944-6	Lead	6.8		mg/kg	0.91	0.37	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	
T19964-5	Lead	6.3		mg/kg	1.1	0.43	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	
T19987-12	Lead	6		mg/kg	1.1	0.44	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19964-8	Lead	5.9		mg/kg	1.2	0.48	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	
T19987-9	Lead	5.7		mg/kg	1.2	0.47	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	
T19861-16	Lead	4.3		mg/kg	1	0.4	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	
T19878-17	Lead	4.2		mg/kg	1.2	0.48	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	
T19927-3	Lead	4.2		mg/kg	1	0.41	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19861-8	Lead	4.1		mg/kg	0.81	0.32	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	
T19861-2	Lead	3.8		mg/kg	0.69	0.27	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	
T19891-2	Lead	3.6		mg/kg	1.1	0.43	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	
T19878-2	Lead	3.5		mg/kg	1	0.41	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	
T19861-6	Lead	3.2		mg/kg	0.57	0.23	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	
T19927-5	Lead	3.2		mg/kg	0.69	0.28	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	
T19878-9	Lead	3.1		mg/kg	1.1	0.43	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	

Above both EPA RSL Residential Soil and Protection of Groundwat

Above EPA RSLs for Protection of Ground Water

Above EPA Eco-SSL

Above Both EPA Eco-SSL and Protection of Ground Water

DRAFT
Subsurface Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	1,3,5-Trimethylbenzene	0.0667		mg/kg	0.0058	0.0013	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1,3,5-Trimethylbenzene	0.0175		mg/kg	0.006	0.0013	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19927-3	Aluminum	13800		mg/kg	21	4.5	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19861-16	Aluminum	11400		mg/kg	20	4.4	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19861-8	Aluminum	10900		mg/kg	16	3.5	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19891-15	Aluminum	9150		mg/kg	21	4.7	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19987-12	Aluminum	8450		mg/kg	22	4.8	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19861-2	Aluminum	7690		mg/kg	14	3	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19944-6	Aluminum	7640		mg/kg	18	4	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19861-6	Aluminum	6880		mg/kg	11	2.5	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19987-9	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19987-12	Arsenic	2.1		mg/kg	1.1	0.22	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19878-7	Arsenic	1.7		mg/kg	1.2	0.25	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19944-6	Arsenic	1.7		mg/kg	0.91	0.18	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19964-5	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19891-2	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19891-15	Arsenic	1.2		mg/kg	1.1	0.21	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19944-13	Arsenic	1.1		mg/kg	0.81	0.16	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19927-3	Arsenic	1		mg/kg	1	0.21	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19927-5	Arsenic	1		mg/kg	0.69	0.14	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19964-8	Arsenic	0.81	B	mg/kg	1.2	0.24	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19944-2	Arsenic	0.8	B	mg/kg	1.1	0.22	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19927-9	Arsenic	0.78		mg/kg	0.7	0.14	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19891-5	Arsenic	0.74	B	mg/kg	1.1	0.23	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19987-6	Arsenic	0.7	B	mg/kg	1.2	0.23	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19987-2	Arsenic	0.62	B	mg/kg	1.1	0.22	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19944-9	Arsenic	0.58	B	mg/kg	0.8	0.16	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19891-12	Arsenic	0.54	B	mg/kg	1.2	0.24	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19944-11	Arsenic	0.54	B	mg/kg	1.1	0.22	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19861-16	Arsenic	0.47	B	mg/kg	1	0.2	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19878-17	Arsenic	0.44	B	mg/kg	1.2	0.24	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19878-13	Arsenic	0.41	B	mg/kg	1.3	0.26	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19878-7	Chromium	15		mg/kg	1.2	0.087	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19987-12	Chromium	8.8		mg/kg	1.1	0.077	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19927-3	Chromium	7.4		mg/kg	1	0.072	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19891-15	Chromium	6.1		mg/kg	1.1	0.075	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19944-6	Chromium	6		mg/kg	0.91	0.064	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19861-8	Chromium	5.2		mg/kg	0.81	0.057	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19891-12	Chromium	4.9		mg/kg	1.2	0.083	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19861-16	Chromium	4.3		mg/kg	1	0.07	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-5	Chromium	4.1		mg/kg	1.1	0.079	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19861-2	Chromium	3.9		mg/kg	0.69	0.048	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19861-6	Chromium	3.7		mg/kg	0.57	0.04	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19927-5	Chromium	3.7		mg/kg	0.69	0.048	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19891-2	Chromium	3.5		mg/kg	1.1	0.075	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19878-2	Chromium	3.4		mg/kg	1	0.072	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19878-17	Chromium	3.2		mg/kg	1.2	0.084	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19891-7	Chromium	3.2		mg/kg	1.2	0.081	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19944-13	Chromium	2.9		mg/kg	0.81	0.057	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19944-9	Chromium	2.7		mg/kg	0.8	0.056	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19878-11	Chromium	2.5		mg/kg	1.2	0.084	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06
T19987-9	Chromium	2.5		mg/kg	1.2	0.082	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19878-13	Chromium	2.4		mg/kg	1.3	0.089	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19987-2	Chromium	2.3		mg/kg	1.1	0.077	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19944-11	Chromium	2.2		mg/kg	1.1	0.076	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19964-5	Chromium	2.2		mg/kg	1.1	0.076	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19860-8	Chromium	2.1		mg/kg	1.2	0.081	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30
T19964-8	Chromium	1.9		mg/kg	1.2	0.083	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19861-11	Chromium	1.8		mg/kg	1.1	0.074	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50
T19927-9	Chromium	1.8		mg/kg	0.7	0.049	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19891-18	Chromium	1.7		mg/kg	1.1	0.078	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19944-2	Chromium	1.5		mg/kg	1.1	0.076	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19987-6	Chromium	1.4		mg/kg	1.2	0.082	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19860-11	Chromium	1.2		mg/kg	0.99	0.07	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10
T19878-9	Chromium	1.2		mg/kg	1.1	0.076	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58
T19861-13	Chromium	1		mg/kg	1	0.073	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19860-2	Chromium	0.98	B	mg/kg	1.1	0.078	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56
T19861-19	Chromium	0.8		mg/kg	0.8	0.056	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19964-3	Chromium	0.76	B	mg/kg	1.1	0.077	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19860-14	Chromium	0.63	B	mg/kg	1.4	0.097	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55
T19891-9	Chromium	0.6	B	mg/kg	1.1	0.079	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19878-4	Chromium	0.59	B	mg/kg	0.98	0.068	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39
T19860-5	Chromium	0.58	B	mg/kg	0.91	0.064	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10
T19878-7	Lead	26		mg/kg	1.2	0.49	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19860-5	Mercury	0.59		mg/kg	0.019	0.00076	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10
T19860-14	Mercury	0.055		mg/kg	0.023	0.0009	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55
T19878-13	Mercury	0.055		mg/kg	0.019	0.00076	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19891-15	Mercury	0.054		mg/kg	0.018	0.0007	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19861-8	Mercury	0.048		mg/kg	0.017	0.00066	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19891-9	Selenium	0.36	B	mg/kg	1.1	0.27	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19927-3	Vanadium	13.7		mg/kg	5.2	0.12	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19891-15	Vanadium	13		mg/kg	5.4	0.13	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19987-12	Vanadium	12.1		mg/kg	5.5	0.13	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19944-6	Vanadium	11		mg/kg	4.6	0.11	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19861-16	Vanadium	7.1		mg/kg	5	0.12	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-12	Vanadium	6.9		mg/kg	5.9	0.14	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19891-2	Vanadium	6.7		mg/kg	5.4	0.13	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19927-5	Vanadium	6		mg/kg	3.4	0.083	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19987-9	Vanadium	5.8		mg/kg	5.8	0.14	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19861-8	Vanadium	5.7		mg/kg	4	0.097	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19861-6	Vanadium	5.3		mg/kg	2.9	0.069	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19861-2	Vanadium	5		mg/kg	3.4	0.082	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19891-7	Vanadium	4.5	B	mg/kg	5.8	0.14	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19878-2	Vanadium	4.4	B	mg/kg	5.1	0.12	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19964-5	Vanadium	4.3	B	mg/kg	5.4	0.13	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19944-9	Vanadium	3.8	B	mg/kg	4	0.096	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19944-13	Vanadium	3.7	B	mg/kg	4.1	0.097	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19878-17	Vanadium	3.6	B	mg/kg	6	0.14	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19878-7	Vanadium	3.2	B	mg/kg	6.2	0.15	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19927-9	Vanadium	3.1	B	mg/kg	3.5	0.084	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19891-18	Vanadium	2.9	B	mg/kg	5.6	0.13	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19944-2	Vanadium	2.4	B	mg/kg	5.4	0.13	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19944-11	Vanadium	2.4	B	mg/kg	5.4	0.13	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19987-6	Vanadium	2.4	B	mg/kg	5.9	0.14	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19891-5	Vanadium	2.3	B	mg/kg	5.6	0.14	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19878-13	Vanadium	2.1	B	mg/kg	6.4	0.15	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19964-8	Vanadium	2	B	mg/kg	5.9	0.14	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Sediment Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T20073-8	Arsenic	7.2		mg/kg	1.8	0.37	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Arsenic	2.5		mg/kg	1.5	0.29	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD

Above EPA I 0.002

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-17	1,2,4-Trimethylbenzene	0.0017	J	mg/l	0.002	0.00055	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13

Regulatory Limits

		EPA RSL Tap Water SSL	MCL
Human (mg/l)			
EPA	0.012	0.015	-
TCEQ	1.2221		

Ecological (mg/l)

Marine	0.217

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	1,2,4-Trimethylbenzene	0.0032	J	mg/kg	0.0056	0.0012	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19861-15	1,2,4-Trimethylbenzene	0.0025	J	mg/kg	0.0058	0.0013	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19878-12	1,2,4-Trimethylbenzene	0.002	J	mg/kg	0.0064	0.0014	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19891-3	1,2,4-Trimethylbenzene	0.00195	J	mg/kg	0.0058	0.0013	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19891-6	1,2,4-Trimethylbenzene	0.0019	J	mg/kg	0.0062	0.0014	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19861-12	1,2,4-Trimethylbenzene	0.0015	J	mg/kg	0.0057	0.0013	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19891-14	1,2,4-Trimethylbenzene	0.0015	J	mg/kg	0.0063	0.0014	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19964-1	1,2,4-Trimethylbenzene	0.0015	J	mg/kg	0.006	0.0013	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S

Regulatory Limits

Human (mg/kg)

EPA RSL	62.00000	Residential
	0.02100	protection of gw
TCEQ		

Ecological (mg/kg)

Sediment

Marine	NP

Soil

Earthworms	NA
Plants	NA
Median Background	NA

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	1,2,4-Trimethylbenzene	0.14		mg/kg	0.0058	0.0013	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1,2,4-Trimethylbenzene	0.0796		mg/kg	0.006	0.0013	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19927-9	1,2,4-Trimethylbenzene	0.0025	J	mg/kg	0.0059	0.0013	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19944-6	1,2,4-Trimethylbenzene	0.0022	J	mg/kg	0.0059	0.0013	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19891-15	1,2,4-Trimethylbenzene	0.0017	J	mg/kg	0.0059	0.0013	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39

Regulatory Limits

Human (mg/kg)

EPA RSL	62.00000	Residential
EPA GW	0.02100	protection of gw

Ecological (mg/kg)

Sediment

NP

Soil

Earthworms	NA
Plants	NA
Median Background	NA

EPA RSL Protection of GW Exceedance

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-17	1,3,5-Trimethylbenzene	0.00069	J	mg/l	0.002	0.00047	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13

Regulatory Limits

Human (mg/l)	EPA RSL Tap Water SSL	MCL
EPA	0.087	-
TCEQ		

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	1,3,5-Trimethylbenzene	0.0023	J	mg/kg	0.0056	0.0012	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19878-16	1,3,5-Trimethylbenzene	0.0018	J	mg/kg	0.0063	0.0014	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S

Regulatory Limits

Human (mg/kg)

EPA	780.00000	Residential
	0.12000	protection of gw

Ecological (mg/kg)

Sediment

NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	1,3,5-Trimethylbenzene	0.0667		mg/kg	0.0058	0.0013	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1,3,5-Trimethylbenzene	0.0175		mg/kg	0.006	0.0013	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19861-6	1,3,5-Trimethylbenzene	0.0051	J	mg/kg	0.0054	0.0012	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55

Regulatory Limits

Human (mg/kg)

EPA	780.00000	Residential
	0.12000	protection of gw

Ecological (mg/kg)

Sediment

NP

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	1-Methylnaphthalene	0.0647		mg/l	0.005	0.0017	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	1-Methylnaphthalene	0.0155		mg/l	0.005	0.0017	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	1-Methylnaphthalene	0.0109		mg/l	0.005	0.0017	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	1-Methylnaphthalene	0.002	J	mg/l	0.005	0.0017	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.00097	
TCEQ		

Ecological (mg/l)

Marine	NA

Above EPA Region RSL Tap Water Screening

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	1-Methylnaphthalene	0.447		mg/kg	0.2	0.047	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	1-Methylnaphthalene	0.0835	J	mg/kg	0.2	0.048	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19878-7	1-Methylnaphthalene	0.0507	J	mg/kg	0.21	0.049	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19860-5	1-Methylnaphthalene	0.046	J	mg/kg	0.19	0.046	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10

Regulatory Limits

Human (mg/kg)

EPA	16	Residential
	0.0051	protection of gw

Ecological (mg/kg)

Soil	29

Above EPA Region RSL Protection of gw

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19987-13	1-Phenylethanol	0.0026	J	mg/l	0.005	0.005	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40

Regulatory Limits

Human (mg/l)

EPA	NA
TCEQ	NA

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	2-Methylnaphthalene	0.0625		mg/l	0.005	0.002	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	2-Methylnaphthalene	0.0168		mg/l	0.005	0.002	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	2-Methylnaphthalene	0.0102		mg/l	0.005	0.002	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23

Regulatory Limits

		EPA RSL Tap Water SSL	MCL
Human (mg/l)			
EPA	NA	0.027	

Ecological (mg/l)

Above EPA Region RSL Tap Water

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	2-Methylnaphthalene	0.708		mg/kg	0.2	0.052	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	2-Methylnaphthalene	0.0977	J	mg/kg	0.2	0.054	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05

Regulatory Limits

Human (mg/kg)

EPA	230.00000	Residential
	0.14000	protection of gw

Ecological (mg/kg)

	Soil	29

EPA RSL Protection of GW Exceedance

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-7	6-Methyl Chrysene	17.3		mg/kg	2.2	2.2	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	6-Methyl Chrysene	3.93		mg/kg	4.4	4.4	20	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S

Regulatory Limits

Human (mg/kg)

EPA	NA
TCEQ	57.00000

Ecological (mg/kg)

Sediment

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Acenaphthene	0.147	J	mg/kg	0.19	0.046	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36

Regulatory Limits

EPA NA

Human (mg/kg)

TCEQ	3800.00000	Residential
	410.00000	protection of gw

Ecological (mg/kg)

	Sediment
Marine	1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19987-10	Acetone	0.0089	J	mg/l	0.05	0.0026	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19860-3	Acetone	0.0087	J	mg/l	0.05	0.0028	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-9	Acetone	0.0082	J	mg/l	0.05	0.0028	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-6	Acetone	0.0073	J	mg/l	0.05	0.0028	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19861-3	Acetone	0.0068	J	mg/l	0.05	0.0028	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19891-10	Acetone	0.0057	J	mg/l	0.05	0.0028	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19944-7	Acetone	0.0057	J	mg/l	0.05	0.0026	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19860-15	Acetone	0.0055	J	mg/l	0.05	0.0028	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19878-18	Acetone	0.0052	J	mg/l	0.05	0.0026	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19987-13	Acetone	0.005	J	mg/l	0.05	0.0026	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19861-17	Acetone	0.0047	J	mg/l	0.05	0.0028	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19927-6	Acetone	0.00425	J	mg/l	0.05	0.0026	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T20073-7	Acetone	0.0042	J	mg/l	0.05	0.0026	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19987-7	Acetone	0.0041	J	mg/l	0.05	0.0026	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19878-14	Acetone	0.004	J	mg/l	0.05	0.0026	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19944-3	Acetone	0.004	J	mg/l	0.05	0.0026	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19927-10	Acetone	0.0039	J	mg/l	0.05	0.0026	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19987-4	Acetone	0.0036	J	mg/l	0.05	0.0026	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	12	

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Acetone	0.0505	J	mg/kg	0.091	0.013	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Acetone	0.042	J	mg/kg	0.074	0.011	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19861-15	Acetone	0.0099	J	mg/kg	0.058	0.0083	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19861-18	Acetone	0.0963		mg/kg	0.062	0.0089	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19860-4	Acetone	0.0401	J	mg/kg	0.054	0.0077	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19944-8	Acetone	0.0125	J	mg/kg	0.058	0.0083	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19891-8	Acetone	0.0121	J	mg/kg	0.061	0.0087	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19861-7	Acetone	0.0099	J	mg/kg	0.057	0.0083	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S

Regulatory Limits

Human (mg/kg)

EPA	61000.00000	Residential

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-8	Acetone	0.249		mg/kg	0.056	0.0081	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19861-6	Acetone	0.109		mg/kg	0.054	0.0078	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19861-19	Acetone	0.0697		mg/kg	0.06	0.0086	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19891-2	Acetone	0.0675		mg/kg	0.055	0.0079	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19878-11	Acetone	0.047	J	mg/kg	0.063	0.0091	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06
T19861-13	Acetone	0.035	J	mg/kg	0.058	0.0084	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19944-9	Acetone	0.034	J	mg/kg	0.054	0.0078	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19878-2	Acetone	0.0337	J	mg/kg	0.055	0.0079	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19987-9	Acetone	0.0326	J	mg/kg	0.061	0.0088	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19861-16	Acetone	0.0324	J	mg/kg	0.057	0.0082	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-5	Acetone	0.0307	J	mg/kg	0.055	0.0079	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19860-11	Acetone	0.027	J	mg/kg	0.063	0.009	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10
T19987-12	Acetone	0.0268	J	mg/kg	0.058	0.0084	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19878-13	Acetone	0.0265	J	mg/kg	0.064	0.0092	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19891-7	Acetone	0.0259	J	mg/kg	0.059	0.0085	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19861-2	Acetone	0.0234	J	mg/kg	0.056	0.008	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19987-6	Acetone	0.0228	J	mg/kg	0.055	0.0079	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19878-17	Acetone	0.0219	J	mg/kg	0.06	0.0086	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19987-2	Acetone	0.01985	J	mg/kg	0.06	0.0086	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19944-6	Acetone	0.0179	J	mg/kg	0.059	0.0085	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19861-11	Acetone	0.0163	J	mg/kg	0.056	0.0081	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50
T19927-9	Acetone	0.0158	J	mg/kg	0.059	0.0085	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19860-14	Acetone	0.0155	J	mg/kg	0.068	0.0098	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55
T19891-9	Acetone	0.0127	J	mg/kg	0.058	0.0084	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19944-2	Acetone	0.0127	J	mg/kg	0.058	0.0083	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19964-8	Acetone	0.0127	J	mg/kg	0.058	0.0084	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19927-3	Acetone	0.0112	J	mg/kg	0.051	0.0074	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19944-11	Acetone	0.0109	J	mg/kg	0.058	0.0083	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19964-3	Acetone	0.01	J	mg/kg	0.061	0.0087	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19891-12	Acetone	0.0092	J	mg/kg	0.06	0.0087	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19964-5	Acetone	0.0082	J	mg/kg	0.055	0.008	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15

Regulatory Limits

Human (mg/kg)

EPA	61000.00000	Residential
	2.40000	protection of gw

Ecological (mg/kg)

Soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-18	Aluminum	4280		ug/l	200	86	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19860-15	Aluminum	1630		ug/l	200	86	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19987-4	Aluminum	777		ug/l	200	86	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19861-17	Aluminum	709		ug/l	200	86	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19861-9	Aluminum	680		ug/l	200	86	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-6	Aluminum	558		ug/l	200	86	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19861-3	Aluminum	372		ug/l	200	86	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19860-3	Aluminum	354		ug/l	200	86	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19944-3	Aluminum	113	B	ug/l	200	86	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19987-7	Aluminum	113	B	ug/l	200	86	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T20073-7	Aluminum	100	B	ug/l	200	86	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19891-10	Aluminum	91.1	B	ug/l	200	86	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12

Regulatory Limits

		EPA RSL Tap Water SSL	MCL
Human (ug/l)			
EPA	36500	16000	
TCEQ	2444.2		

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	exceed?
T20073-8	Aluminum	5420		mg/kg	37	8.1	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	no
T20073-6	Aluminum	2030		mg/kg	29	6.4	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	no
T19944-1	Aluminum	25400		mg/kg	25	5.5	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	no
T19964-1	Aluminum	15650		mg/kg	22	4.9	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	no
T19944-10	Aluminum	14400		mg/kg	26	5.6	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	no
T19860-1	Aluminum	14300		mg/kg	20	4.3	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	no
T19944-12	Aluminum	14200		mg/kg	21	4.6	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	no
T19944-8	Aluminum	12200		mg/kg	19	4.1	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	no
T19987-8	Aluminum	9900		mg/kg	22	4.8	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	no
T19987-1	Aluminum	9850		mg/kg	24	5.3	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	no
T19891-1	Aluminum	8090		mg/kg	22	4.8	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	no
T19944-4	Aluminum	7830		mg/kg	21	4.5	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	no
T19878-12	Aluminum	7070		mg/kg	24	5.3	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	no
T19987-11	Aluminum	6190		mg/kg	23	5	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	no
T19891-3	Aluminum	5620		mg/kg	23	5	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	no
T19891-14	Aluminum	5510		mg/kg	23	5	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	no
T19861-10	Aluminum	5460		mg/kg	18	4	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	no
T19927-8	Aluminum	5130		mg/kg	16	3.5	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	no
T19987-5	Aluminum	5110		mg/kg	25	5.4	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	no
T19861-7	Aluminum	5020		mg/kg	23	5	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	no
T19964-4	Aluminum	4830		mg/kg	21	4.7	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	no
T19878-10	Aluminum	4570		mg/kg	23	5	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	no
T19878-3	Aluminum	4470		mg/kg	20	4.5	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	no
T19878-5	Aluminum	4375		mg/kg	21	4.5	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	no
T19891-6	Aluminum	3680		mg/kg	24	5.2	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	no
T19860-4	Aluminum	3550		mg/kg	17	3.8	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	no
T19878-16	Aluminum	3030		mg/kg	21	4.7	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	no
T19860-13	Aluminum	3010		mg/kg	28	6.1	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	no
T19861-15	Aluminum	2900		mg/kg	22	4.9	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	no
T19891-8	Aluminum	2710		mg/kg	24	5.2	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	no
T19964-7	Aluminum	2600		mg/kg	21	4.7	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	no
T19891-11	Aluminum	2590		mg/kg	21	4.5	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	no
T19927-4	Aluminum	2550		mg/kg	22	4.8	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	no
T19891-16	Aluminum	2540.05		mg/kg	0.13	0.029	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	no
T19878-8	Aluminum	2110		mg/kg	19	4.2	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	no
T19861-12	Aluminum	1670		mg/kg	22	4.9	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	no
T19878-1	Aluminum	1440		mg/kg	20	4.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	no
T19861-18	Aluminum	1250		mg/kg	26	5.7	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	no
T19927-1	Aluminum	1105		mg/kg	19	4.1	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	no
T19861-1	Aluminum	820		mg/kg	18	4	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	no
T19860-7	Aluminum	786		mg/kg	21	4.7	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	no
T19861-4	Aluminum	609		mg/kg	25	5.5	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	no
T19860-9	Aluminum	509.5		mg/kg	22	4.8	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	no

Regulatory Limits

Human (mg/kg)
EPA 77000.00000 Residential

Ecological (mg/kg)
soil NP

Soil
Earthworms NA
Plants NA
Median Background 30,000

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19927-3	Aluminum	13800		mg/kg	21	4.5	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	no
T19861-16	Aluminum	11400		mg/kg	20	4.4	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	no
T19861-8	Aluminum	10900		mg/kg	16	3.5	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	no
T19891-15	Aluminum	9150		mg/kg	21	4.7	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	no
T19987-12	Aluminum	8450		mg/kg	22	4.8	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	no
T19861-2	Aluminum	7690		mg/kg	14	3	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	no
T19944-6	Aluminum	7640		mg/kg	18	4	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	no
T19861-6	Aluminum	6880		mg/kg	11	2.5	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	no
T19878-2	Aluminum	5880		mg/kg	20	4.5	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	no
T19891-12	Aluminum	5140		mg/kg	24	5.2	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	no
T19927-5	Aluminum	4660		mg/kg	14	3	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	no
T19891-2	Aluminum	4180		mg/kg	21	4.7	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	no
T19891-7	Aluminum	3640		mg/kg	23	5	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	no
T19944-9	Aluminum	3630		mg/kg	16	3.5	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	no
T19878-17	Aluminum	3510		mg/kg	24	5.2	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	no
T19987-9	Aluminum	3310		mg/kg	23	5.1	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	no
T19891-18	Aluminum	2800		mg/kg	22	4.9	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	no
T19964-5	Aluminum	2480		mg/kg	22	4.8	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	no
T19944-13	Aluminum	2460		mg/kg	16	3.6	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	no
T19860-11	Aluminum	2250		mg/kg	20	4.4	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	no
T19927-9	Aluminum	2140		mg/kg	14	3.1	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	no
T19891-5	Aluminum	1960		mg/kg	23	4.9	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	no
T19944-2	Aluminum	1830		mg/kg	22	4.7	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	no
T19944-11	Aluminum	1770		mg/kg	22	4.7	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	no
T19878-7	Aluminum	1760		mg/kg	25	5.4	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	no
T19987-2	Aluminum	1495		mg/kg	22	4.8	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	no
T19964-3	Aluminum	1390		mg/kg	22	4.8	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	no
T19964-8	Aluminum	1240		mg/kg	24	5.2	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	no
T19860-14	Aluminum	1200		mg/kg	28	6.1	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	no
T19987-6	Aluminum	1160		mg/kg	23	5.1	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	no
T19878-13	Aluminum	1130		mg/kg	26	5.6	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	no
T19860-2	Aluminum	1110		mg/kg	22	4.9	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	no
T19861-13	Aluminum	1090		mg/kg	21	4.6	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	no
T19861-19	Aluminum	959		mg/kg	16	3.5	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	no
T19891-9	Aluminum	917		mg/kg	23	5	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	no
T19878-11	Aluminum	915		mg/kg	24	5.2	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	no
T19861-11	Aluminum	858		mg/kg	21	4.6	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	no
T19878-9	Aluminum	790		mg/kg	22	4.7	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	no
T19860-5	Aluminum	748		mg/kg	18	4	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	no
T19860-8	Aluminum	747		mg/kg	23	5.1	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	no
T19878-4	Aluminum	648		mg/kg	20	4.3	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	no

Regulatory Limits

Human (mg/kg)

EPA	77000.00000	Residential
TCEQ	23000.00000	protection of gw

Ecological (mg/kg)

Soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-7	Anthracene	5.33		mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Anthracene	3.245		mg/kg	0.44	0.14	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Anthracene	0.107	J	mg/kg	0.19	0.063	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S

Regulatory Limits

Human (mg/kg)

EPA 17000.00000 residential

Ecological (mg/kg)

soil 29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Anthracene	0.0735	J	mg/kg	0.19	0.062	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

EPA	17000.00000	residential
	42.00000	protection of gw

Ecological (mg/kg)

soil	29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-3	Antimony	8.1		ug/l	5	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-6	Antimony	5.3		ug/l	5	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19987-4	Antimony	3.3	B	ug/l	5	2.7	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T20073-7	Antimony	2.9	B	ug/l	5	2.7	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA	6	6

Ecological (ug/l)

Marine	NA

Abve MCL and RSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-15	Antimony	0.54	B	mg/kg	1.1	0.3	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05

Regulatory Limits

Human (mg/kg)

EPA	31.00000	residential

Ecological (mg/kg)

Sediment

Marine	NA

Soil

Earthworms	78
Plants	5
Median Background	1

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-7	Arsenic	43.7		ug/l	5	2.7	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19878-18	Arsenic	21.1		ug/l	5	2.7	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19927-10	Arsenic	19.5		ug/l	5	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19927-6	Arsenic	16.65		ug/l	5	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19987-10	Arsenic	10.5		ug/l	5	2.7	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19964-9	Arsenic	9.5		ug/l	5	2.7	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T20073-5	Arsenic	8.5		ug/l	5	2.7	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19944-3	Arsenic	8.2		ug/l	5	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T20073-7	Arsenic	7.6		ug/l	5	2.7	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19964-6	Arsenic	7.5		ug/l	5	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19987-13	Arsenic	6.6		ug/l	5	2.7	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19878-14	Arsenic	4.6		ug/l	5	2.7	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19861-9	Arsenic	3.8	B	ug/l	5	2.7	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-3	Arsenic	3.5	B	ug/l	5	2.7	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-3	Arsenic	2.8	B	ug/l	5	2.7	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19891-10	Arsenic	2.7	B	ug/l	5	2.7	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA	10	10

Ecological (ug/l)

Above MCL and RSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD		
T20073-8	Arsenic	7.2		mg/kg	1.8	0.37	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	yes	yes
T20073-6	Arsenic	2.5		mg/kg	1.5	0.29	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	yes	yes
T19944-10	Arsenic	3.1		mg/kg	1.3	0.26	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	yes	yes
T19944-1	Arsenic	3		mg/kg	1.3	0.25	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	yes	yes
T19987-1	Arsenic	2.8		mg/kg	1.2	0.24	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	yes	yes
T19860-1	Arsenic	2.6		mg/kg	0.98	0.2	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	yes	
T19878-1	Arsenic	2.6		mg/kg	0.99	0.2	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	yes	
T19944-12	Arsenic	2.5		mg/kg	1.1	0.21	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	yes	
T19987-8	Arsenic	2.4		mg/kg	1.1	0.22	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	yes	
T19987-11	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	yes	
T19861-15	Arsenic	2		mg/kg	1.1	0.22	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	yes	
T19878-12	Arsenic	2		mg/kg	1.2	0.24	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	yes	
T19927-8	Arsenic	2		mg/kg	0.81	0.16	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	yes	
T19878-5	Arsenic	1.8		mg/kg	1	0.21	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	yes	
T19891-1	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	yes	
T19964-1	Arsenic	1.6		mg/kg	1.1	0.22	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	yes	
T19987-5	Arsenic	1.5		mg/kg	1.2	0.25	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	yes	
T19944-4	Arsenic	1.45		mg/kg	1	0.21	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	yes	
T19964-7	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	yes	
T19944-8	Arsenic	1.3		mg/kg	0.94	0.19	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	yes	
T19964-4	Arsenic	1.3		mg/kg	1.1	0.21	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	yes	
T19861-10	Arsenic	1.2		mg/kg	0.92	0.18	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	yes	
T19891-14	Arsenic	1.1		mg/kg	1.1	0.23	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	yes	
T19891-3	Arsenic	1.035	B	mg/kg	1.1	0.23	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	yes	
T19878-3	Arsenic	0.93	B	mg/kg	1	0.2	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	yes	
T19878-10	Arsenic	0.86	B	mg/kg	1.1	0.23	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	yes	
T19861-7	Arsenic	0.83	B	mg/kg	1.1	0.23	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	yes	
T19891-6	Arsenic	0.72	B	mg/kg	1.2	0.24	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	yes	
T19891-8	Arsenic	0.66	B	mg/kg	1.2	0.24	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	yes	
T19878-16	Arsenic	0.58	B	mg/kg	1.1	0.21	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	yes	
T19860-4	Arsenic	0.57	B	mg/kg	0.86	0.17	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	yes	
T19927-4	Arsenic	0.53	B	mg/kg	1.1	0.22	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	yes	
T19860-13	Arsenic	0.51	B	mg/kg	1.4	0.28	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	yes	
T19878-8	Arsenic	0.35	B	mg/kg	0.97	0.19	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	no	
T19861-12	Arsenic	0.31	B	mg/kg	1.1	0.22	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	no	
T19927-1	Arsenic	0.305	B	mg/kg	0.94	0.19	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	no	
T19861-18	Arsenic	0.29	B	mg/kg	1.3	0.26	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	no	
T19891-16	Arsenic	0.27805	B	mg/kg	0.0065	0.0013	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	no	
T19860-7	Arsenic	0.23	B	mg/kg	1.1	0.21	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	no	
T19891-11	Arsenic	0.22	B	mg/kg	1	0.21	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	no	

Regulatory Limits

Human (mg/kg)
EPA 0.39 resdiential

Ecological (mg/kg)
soil 18

Above RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19987-9	Arsenic	2.2		mg/kg	1.2	0.23	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	yes
T19987-12	Arsenic	2.1		mg/kg	1.1	0.22	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	yes
T19878-7	Arsenic	1.7		mg/kg	1.2	0.25	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	yes
T19944-6	Arsenic	1.7		mg/kg	0.91	0.18	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	yes
T19964-5	Arsenic	1.7		mg/kg	1.1	0.22	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	yes
T19891-2	Arsenic	1.4		mg/kg	1.1	0.21	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	yes
T19891-15	Arsenic	1.2		mg/kg	1.1	0.21	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	yes
T19944-13	Arsenic	1.1		mg/kg	0.81	0.16	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	yes
T19927-3	Arsenic	1		mg/kg	1	0.21	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	yes
T19927-5	Arsenic	1		mg/kg	0.69	0.14	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	yes
T19964-8	Arsenic	0.81	B	mg/kg	1.2	0.24	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	yes
T19944-2	Arsenic	0.8	B	mg/kg	1.1	0.22	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	yes
T19927-9	Arsenic	0.78		mg/kg	0.7	0.14	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	yes
T19891-5	Arsenic	0.74	B	mg/kg	1.1	0.23	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	yes
T19987-6	Arsenic	0.7	B	mg/kg	1.2	0.23	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	yes
T19987-2	Arsenic	0.62	B	mg/kg	1.1	0.22	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	yes
T19944-9	Arsenic	0.58	B	mg/kg	0.8	0.16	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	yes
T19891-12	Arsenic	0.54	B	mg/kg	1.2	0.24	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	yes
T19944-11	Arsenic	0.54	B	mg/kg	1.1	0.22	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	yes
T19861-16	Arsenic	0.47	B	mg/kg	1	0.2	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	yes
T19878-17	Arsenic	0.44	B	mg/kg	1.2	0.24	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	yes
T19878-13	Arsenic	0.41	B	mg/kg	1.3	0.26	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	yes
T19878-2	Arsenic	0.38	B	mg/kg	1	0.2	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	yes
T19861-2	Arsenic	0.34	B	mg/kg	0.69	0.14	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	yes
T19891-7	Arsenic	0.33	B	mg/kg	1.2	0.23	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	yes
T19878-9	Arsenic	0.3	B	mg/kg	1.1	0.22	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	yes
T19861-8	Arsenic	0.29	B	mg/kg	0.81	0.16	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	yes
T19860-2	Arsenic	0.26	B	mg/kg	1.1	0.22	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	yes
T19861-6	Arsenic	0.23	B	mg/kg	0.57	0.11	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	yes
T19964-3	Arsenic	0.23	B	mg/kg	1.1	0.22	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	yes

Regulatory Limits

Human (mg/kg)

EPA	0.39	resdiential
	0.0013	protection of gw

Ecological (mg/kg)

Soil	18

Above RSL Protection of GW

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19987-13	Barium	557		ug/l	200	2.4	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T20073-7	Barium	342		ug/l	200	2.4	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19987-7	Barium	331		ug/l	200	2.4	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19964-9	Barium	322		ug/l	200	2.4	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T20073-5	Barium	297		ug/l	200	2.4	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19987-4	Barium	295		ug/l	200	2.4	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19927-10	Barium	287		ug/l	200	2.4	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19944-3	Barium	280		ug/l	200	2.4	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19944-7	Barium	251		ug/l	200	2.4	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19987-10	Barium	251		ug/l	200	2.4	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19891-13	Barium	238		ug/l	200	2.4	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19878-14	Barium	139	B	ug/l	200	2.4	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19891-10	Barium	139	B	ug/l	200	2.4	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19964-6	Barium	137	B	ug/l	200	2.4	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19878-18	Barium	83.6	B	ug/l	200	2.4	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19860-6	Barium	71.4	B	ug/l	200	2.4	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19927-6	Barium	58.35	B	ug/l	200	2.4	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19861-17	Barium	58	B	ug/l	200	2.4	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-15	Barium	54.3	B	ug/l	200	2.4	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-3	Barium	51.1	B	ug/l	200	2.4	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-9	Barium	27.1	B	ug/l	200	2.4	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19861-3	Barium	18.6	B	ug/l	200	2.4	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA		2000

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD		exceed?
T20073-8	Barium	129		mg/kg	37	0.11	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD		no
T20073-6	Barium	38.8		mg/kg	29	0.088	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD		no
T19861-15	Barium	1250		mg/kg	22	0.067	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	E, P, M	yes
T19987-8	Barium	944		mg/kg	22	0.066	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	E, P, M	yes
T19987-11	Barium	381		mg/kg	23	0.069	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	E, P, M	yes
T19878-12	Barium	200		mg/kg	24	0.073	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S		no
T19987-1	Barium	177		mg/kg	24	0.073	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S		no
T19860-1	Barium	165		mg/kg	20	0.059	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S		no
T19927-8	Barium	162		mg/kg	16	0.048	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S		no
T19944-12	Barium	160		mg/kg	21	0.064	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S		no
T19944-1	Barium	109		mg/kg	25	0.076	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S		no
T19944-4	Barium	103.5		mg/kg	21	0.062	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S		no
T19891-14	Barium	103		mg/kg	23	0.069	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S		no
T19944-10	Barium	98.6		mg/kg	26	0.077	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S		no
T19878-5	Barium	93.95		mg/kg	21	0.062	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S		no
T19861-7	Barium	91.8		mg/kg	23	0.069	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S		no
T19891-8	Barium	88.9		mg/kg	24	0.072	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S		no
T19860-13	Barium	86.4		mg/kg	28	0.083	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S		no
T19927-4	Barium	72.2		mg/kg	22	0.066	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S		no
T19964-4	Barium	69.1		mg/kg	21	0.064	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S		no
T19878-3	Barium	67.1		mg/kg	20	0.061	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S		no
T19891-1	Barium	66.6		mg/kg	22	0.066	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S		no
T19878-16	Barium	64.5		mg/kg	21	0.064	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S		no
T19987-5	Barium	63.5		mg/kg	25	0.074	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S		no
T19964-1	Barium	61.7		mg/kg	22	0.067	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S		no
T19878-10	Barium	61.5		mg/kg	23	0.069	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S		no
T19891-3	Barium	60.3		mg/kg	23	0.069	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S		no
T19891-6	Barium	53.5		mg/kg	24	0.071	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S		no
T19964-7	Barium	41.4		mg/kg	21	0.064	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S		no
T19927-1	Barium	39.9		mg/kg	19	0.057	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S		no
T19944-8	Barium	36.7		mg/kg	19	0.056	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S		no
T19878-8	Barium	36.1		mg/kg	19	0.058	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S		no
T19860-4	Barium	36		mg/kg	17	0.052	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S		no
T19861-1	Barium	31.4		mg/kg	18	0.054	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S		no
T19891-16	Barium	30.19		mg/kg	0.13	0.00039	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S		no
T19878-1	Barium	26.9		mg/kg	20	0.06	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S		no
T19861-10	Barium	25.9		mg/kg	18	0.055	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S		no
T19860-9	Barium	24.3	B	mg/kg	22	0.066	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S		no
T19860-7	Barium	23.4		mg/kg	21	0.064	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S		no
T19861-18	Barium	19	B	mg/kg	26	0.078	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S		no
T19861-12	Barium	13.9	B	mg/kg	22	0.066	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S		no
T19891-11	Barium	13.7	B	mg/kg	21	0.062	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S		no
T19861-4	Barium	6.25	B	mg/kg	25	0.075	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S		no

Regulatory Limits

Human (mg/kg)
EPA 15000 residential

Ecological (mg/kg)
soil 330

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19878-7	Barium	98.7		mg/kg	25	0.074	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	no
T19987-12	Barium	97.8		mg/kg	22	0.066	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	no
T19944-6	Barium	78.7		mg/kg	18	0.055	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	no
T19891-15	Barium	77.7		mg/kg	21	0.064	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	no
T19944-9	Barium	66.9		mg/kg	16	0.048	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	no
T19987-2	Barium	59.65		mg/kg	22	0.066	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	no
T19861-16	Barium	52.4		mg/kg	20	0.06	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	no
T19891-7	Barium	50.6		mg/kg	23	0.069	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	no
T19944-2	Barium	47.5		mg/kg	22	0.065	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	no
T19891-18	Barium	47.2		mg/kg	22	0.067	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	no
T19891-2	Barium	41.8		mg/kg	21	0.064	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	no
T19944-13	Barium	39.6		mg/kg	16	0.049	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	no
T19891-5	Barium	39.1		mg/kg	23	0.068	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	no
T19964-8	Barium	36.2		mg/kg	24	0.071	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	no
T19861-2	Barium	31.1		mg/kg	14	0.041	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	no
T19861-8	Barium	29.3		mg/kg	16	0.048	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	no
T19878-2	Barium	26.5		mg/kg	20	0.061	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	no
T19964-5	Barium	26.4		mg/kg	22	0.065	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	no
T19891-12	Barium	25.2		mg/kg	24	0.071	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	no
T19944-11	Barium	25.1		mg/kg	22	0.065	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	no
T19987-9	Barium	25		mg/kg	23	0.07	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	no
T19927-9	Barium	23.5		mg/kg	14	0.042	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	no
T19861-6	Barium	23.1		mg/kg	11	0.034	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	no
T19878-17	Barium	21.5	B	mg/kg	24	0.072	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	no
T19987-6	Barium	16.3	B	mg/kg	23	0.07	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	no
T19964-3	Barium	13.5	B	mg/kg	22	0.066	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	no
T19927-5	Barium	12.4	B	mg/kg	14	0.041	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	no
T19878-9	Barium	12	B	mg/kg	22	0.065	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	no
T19860-11	Barium	11.8	B	mg/kg	20	0.06	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	no
T19878-11	Barium	11.5	B	mg/kg	24	0.072	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	no
T19878-13	Barium	11.4	B	mg/kg	26	0.077	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	no
T19860-2	Barium	10.2	B	mg/kg	22	0.067	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	no
T19927-3	Barium	9.6	B	mg/kg	21	0.062	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	no
T19860-8	Barium	8.6	B	mg/kg	23	0.069	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	no
T19861-19	Barium	8.5	B	mg/kg	16	0.048	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	no
T19860-14	Barium	7.7	B	mg/kg	28	0.083	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	no
T19891-9	Barium	7.4	B	mg/kg	23	0.068	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	no
T19861-13	Barium	6.7	B	mg/kg	21	0.063	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	no
T19861-11	Barium	5.4	B	mg/kg	21	0.063	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	no
T19878-4	Barium	4.6	B	mg/kg	20	0.059	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	no
T19860-5	Barium	4.2	B	mg/kg	18	0.055	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	no

Regulatory Limits

Human (mg/kg)

EPA	15000	residential
	120	protection of gw

Ecological (mg/kg)

soil	330

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-17	Benzene	0.0145		mg/l	0.002	0.00023	1	FR-032	TW01-07	AOC-1N	########	15:13
T19860-3	Benzene	0.003		mg/l	0.002	0.00023	1	FR-003	TW01-11	AOC-1N	########	11:35
T19878-18	Benzene	0.0012	J	mg/l	0.002	0.00046	1	FR-052	TW01-18	AOC-1S	########	16:05
T19861-3	Benzene	0.00065	J	mg/l	0.002	0.00023	1	FR-018	TW01-02	AOC-1N	########	9:45

Regulatory Limits

	EPA RSL Tap Water SSL	MCL	
Human (mg/l)			
EPA	0.00039	0.005	*MCL is used to screen
TCEQ			

Ecological (mg/l)

Above EPA Tap Water Screening

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-7	Benzo(a)anthracene	3.97		mg/kg	2.2	0.82	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Benzo(a)anthracene	2.07		mg/kg	0.44	0.16	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Benzo(a)anthracene	0.648		mg/kg	0.19	0.072	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-8	Benzo(a)anthracene	0.142	J	mg/kg	0.21	0.079	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19860-4	Benzo(a)anthracene	0.121	J	mg/kg	0.19	0.071	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)

EPA	0.15000 residential

Ecological (mg/kg)

soil	1.1

Soil	
Earthworms	NA
Plants	NA
Median Background	NA

Above EPA RSL residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Benzo(a)pyrene	0.775		mg/kg	0.19	0.063	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-7	Benzo(a)pyrene	0.766	J	mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-4	Benzo(a)pyrene	0.172	J	mg/kg	0.19	0.062	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19891-8	Benzo(a)pyrene	0.0985	J	mg/kg	0.21	0.069	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S

Regulatory Limits

Human (mg/kg)
EPA 0.01500 Residential

Ecological (mg/kg)
soil 1.1

Soil

Above EPA RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Benzo(b)fluoranthene	1.03		mg/kg	0.19	0.082	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-4	Benzo(b)fluoranthene	0.218		mg/kg	0.19	0.08	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19891-8	Benzo(b)fluoranthene	0.181	J	mg/kg	0.21	0.089	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S

Regulatory Limits

Human (mg/kg)
EPA 0.15000 Resdential

Ecological (mg/kg)
soil 1.1

Above EPA RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Benzo(g,h,i)perylene	0.629		mg/kg	0.19	0.11	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-4	Benzo(g,h,i)perylene	0.295		mg/kg	0.19	0.1	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)

EPA	NA
TCEQ	1800.00000 combined

Ecological (mg/kg)

soil	1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Benzo(k)fluoranthene	0.326		mg/kg	0.19	0.089	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S

Regulatory Limits

Human (mg/kg)
EPA 1.50000 residential

Ecological (mg/kg)
soil 1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T20073-5	Beryllium	0.27	B	ug/l	5	0.26	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA		4

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Beryllium	0.23	B	mg/kg	0.92	0.037	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Beryllium	0.085	B	mg/kg	0.73	0.029	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19944-1	Beryllium	0.89		mg/kg	0.63	0.025	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19944-10	Beryllium	0.52	B	mg/kg	0.64	0.026	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19944-12	Beryllium	0.52	B	mg/kg	0.53	0.021	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19860-1	Beryllium	0.49		mg/kg	0.49	0.02	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19964-1	Beryllium	0.46	B	mg/kg	0.56	0.022	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19944-8	Beryllium	0.38	B	mg/kg	0.47	0.019	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19987-8	Beryllium	0.37	B	mg/kg	0.55	0.022	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19987-1	Beryllium	0.34	B	mg/kg	0.61	0.024	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19944-4	Beryllium	0.31	B	mg/kg	0.52	0.021	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19987-11	Beryllium	0.27	B	mg/kg	0.58	0.023	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19861-10	Beryllium	0.24	B	mg/kg	0.46	0.018	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-1	Beryllium	0.23	B	mg/kg	0.55	0.022	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19878-10	Beryllium	0.22	B	mg/kg	0.57	0.023	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19927-8	Beryllium	0.22	B	mg/kg	0.4	0.016	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19861-7	Beryllium	0.2	B	mg/kg	0.57	0.023	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19878-3	Beryllium	0.2	B	mg/kg	0.51	0.02	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19878-5	Beryllium	0.2	B	mg/kg	0.51	0.021	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19878-12	Beryllium	0.19	B	mg/kg	0.61	0.024	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19964-4	Beryllium	0.16	B	mg/kg	0.54	0.021	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19891-3	Beryllium	0.15	B	mg/kg	0.57	0.023	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19891-14	Beryllium	0.14	B	mg/kg	0.57	0.023	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19861-15	Beryllium	0.13	B	mg/kg	0.56	0.022	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19927-4	Beryllium	0.13	B	mg/kg	0.55	0.022	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19987-5	Beryllium	0.12	B	mg/kg	0.61	0.025	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19878-8	Beryllium	0.11	B	mg/kg	0.48	0.019	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
T19860-13	Beryllium	0.1	B	mg/kg	0.69	0.028	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19861-12	Beryllium	0.094	B	mg/kg	0.55	0.022	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19860-4	Beryllium	0.092	B	mg/kg	0.43	0.017	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19861-18	Beryllium	0.087	B	mg/kg	0.65	0.026	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19878-1	Beryllium	0.078	B	mg/kg	0.5	0.02	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19964-7	Beryllium	0.075	B	mg/kg	0.54	0.021	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19891-6	Beryllium	0.074	B	mg/kg	0.59	0.024	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19891-16	Beryllium	0.0706	B	mg/kg	0.0033	0.00013	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
T19878-16	Beryllium	0.056	B	mg/kg	0.53	0.021	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19927-1	Beryllium	0.056	B	mg/kg	0.47	0.019	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
T19891-8	Beryllium	0.049	B	mg/kg	0.6	0.024	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19891-11	Beryllium	0.041	B	mg/kg	0.52	0.021	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
T19861-1	Beryllium	0.023	B	mg/kg	0.45	0.018	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S

Regulatory Limits

Human (mg/kg)

EPA 160 residential
13 protection of gw

Ecological (mg/kg)

soil 21

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19927-3	Beryllium	0.42	B	mg/kg	0.52	0.021	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19878-2	Beryllium	0.32	B	mg/kg	0.51	0.02	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19944-6	Beryllium	0.3	B	mg/kg	0.46	0.018	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19987-12	Beryllium	0.29	B	mg/kg	0.55	0.022	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19861-16	Beryllium	0.28	B	mg/kg	0.5	0.02	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-15	Beryllium	0.27	B	mg/kg	0.54	0.021	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19861-8	Beryllium	0.25	B	mg/kg	0.4	0.016	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19927-5	Beryllium	0.21	B	mg/kg	0.34	0.014	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19891-12	Beryllium	0.19	B	mg/kg	0.59	0.024	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19861-2	Beryllium	0.15	B	mg/kg	0.34	0.014	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19944-9	Beryllium	0.15	B	mg/kg	0.4	0.016	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19861-6	Beryllium	0.13	B	mg/kg	0.29	0.011	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19878-7	Beryllium	0.13	B	mg/kg	0.62	0.025	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19944-13	Beryllium	0.12	B	mg/kg	0.41	0.016	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19891-7	Beryllium	0.11	B	mg/kg	0.58	0.023	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19944-11	Beryllium	0.11	B	mg/kg	0.54	0.022	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19987-9	Beryllium	0.11	B	mg/kg	0.58	0.023	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19860-2	Beryllium	0.1	B	mg/kg	0.56	0.022	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56
T19891-2	Beryllium	0.1	B	mg/kg	0.54	0.021	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19927-9	Beryllium	0.1	B	mg/kg	0.35	0.014	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19944-2	Beryllium	0.097	B	mg/kg	0.54	0.022	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19878-17	Beryllium	0.086	B	mg/kg	0.6	0.024	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19964-5	Beryllium	0.067	B	mg/kg	0.54	0.022	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19878-9	Beryllium	0.064	B	mg/kg	0.54	0.022	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58
T19891-18	Beryllium	0.064	B	mg/kg	0.56	0.022	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19878-4	Beryllium	0.054	B	mg/kg	0.49	0.02	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39
T19861-13	Beryllium	0.047	B	mg/kg	0.52	0.021	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19987-2	Beryllium	0.0445	B	mg/kg	0.55	0.022	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19964-8	Beryllium	0.044	B	mg/kg	0.59	0.024	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19861-19	Beryllium	0.042	B	mg/kg	0.4	0.016	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19987-6	Beryllium	0.041	B	mg/kg	0.59	0.023	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19860-11	Beryllium	0.035	B	mg/kg	0.5	0.02	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10
T19861-11	Beryllium	0.035	B	mg/kg	0.53	0.021	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50
T19891-5	Beryllium	0.023	B	mg/kg	0.56	0.023	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19964-3	Beryllium	0.023	B	mg/kg	0.55	0.022	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40

Regulatory Limits

Human (mg/kg)

EPA	160	residential
	13	protection of gw

Ecological (mg/kg)

soil	21

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19927-6	bis(2-Ethylhexyl)phthalate	0.007	J	mg/l	0.0051	0.0015	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19860-3	bis(2-Ethylhexyl)phthalate	0.0026	J	mg/l	0.005	0.0015	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-3	bis(2-Ethylhexyl)phthalate	0.0018	J	mg/l	0.005	0.0015	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T20073-7	bis(2-Ethylhexyl)phthalate	0.0017	J	mg/l	0.005	0.0015	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19861-9	bis(2-Ethylhexyl)phthalate	0.0016	J	mg/l	0.005	0.0015	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-15	bis(2-Ethylhexyl)phthalate	0.0015	J	mg/l	0.005	0.0015	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.000071	0.006 *MCL used for screening

Ecological (mg/l)

Above EPA MCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19944-4	bis(2-Ethylhexyl)phthalate	0.3835		mg/kg	0.21	0.11	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19891-8	bis(2-Ethylhexyl)phthalate	0.37		mg/kg	0.21	0.11	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19860-9	bis(2-Ethylhexyl)phthalate	0.3395	J	mg/kg	0.44	0.22	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19891-14	bis(2-Ethylhexyl)phthalate	0.15	J	mg/kg	0.21	0.11	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19891-3	bis(2-Ethylhexyl)phthalate	0.1165	J	mg/kg	0.2	0.098	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S

Regulatory Limits

Human (mg/kg)

EPA 35.00000 residential

Ecological (mg/kg)

soil NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-9	Carbazole	0.325	J	mg/kg	0.44	0.19	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S

Regulatory Limits

Human (mg/kg)

EPA	N/A	
TCEQ	230	Combined

Ecological (mg/kg)

soil	np

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Carbazole	0.129	J	mg/kg	0.19	0.082	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

EPA	N/A		
TCEQ		230	Combined
	4.60000		GW

Ecological (mg/kg)

	soil	np

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19964-4	Cadmium	1.1		mg/kg	0.54	0.11	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19861-15	Cadmium	0.56		mg/kg	0.56	0.11	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19878-12	Cadmium	0.23	B	mg/kg	0.63	0.13	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19944-1	Cadmium	0.19	B	mg/kg	0.63	0.13	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19891-8	Cadmium	0.17	B	mg/kg	0.58	0.12	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19944-10	Cadmium	0.14	B	mg/kg	0.64	0.13	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19878-16	Cadmium	0.12	B	mg/kg	0.61	0.12	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S

Regulatory Limits

Human (mg/kg)

EPA 70.00000 residential

Ecological (mg/kg)

soil 0.36

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-15	Cadmium	0.19	B	mg/kg	0.54	0.11	1	FR-068	J-28 S	AOC-1S	########	15:39
T19944-6	Cadmium	0.095	B	mg/kg	0.46	0.091	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30

Regulatory Limits

Human (mg/kg)

EPA	70.00000	residential
	0.52000	protection of gw

Ecological (mg/kg)

soil	0.36

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-14	Carbon disulfide	0.00065	J	mg/l	0.002	0.00051	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51

Regulatory Limits

		EPA RSL Tap Water SSL	MCL
Human (mg/l)			
EPA	1.04300	0.72	

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19987-12	Carbon disulfide	0.0041	J	mg/kg	0.012	0.0015	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19944-6	Carbon disulfide	0.0025	J	mg/kg	0.012	0.0015	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19944-11	Carbon disulfide	0.0023	J	mg/kg	0.012	0.0015	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19878-13	Carbon disulfide	0.0021	J	mg/kg	0.013	0.0016	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19878-7	Carbon disulfide	0.002	J	mg/kg	0.012	0.0015	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19987-9	Carbon disulfide	0.0016	J	mg/kg	0.012	0.0016	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19987-2	Carbon disulfide	0.00155	J	mg/kg	0.012	0.0015	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10

Regulatory Limits

Human (mg/kg)

EPA	820	residential
	0.21	protection of gw

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-6	Chromium	7.9	B	ug/l	10	1.5	1	FR-006	TW01-12	AOC-1N	########	14:23
T19878-18	Chromium	4.8	B	ug/l	10	1.5	1	FR-052	TW01-18	AOC-1S	########	16:05

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA		100
TCEQ		

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T20073-8	Chromium	4.9		mg/kg	1.8	0.13	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	
T20073-6	Chromium	1.7		mg/kg	1.5	0.1	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	
T19861-4	Chromium	50.5	B	mg/kg	1.2	0.087	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	E, P, M
T19944-1	Chromium	14.9		mg/kg	1.3	0.089	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	E, P
T19861-15	Chromium	13.3		mg/kg	1.1	0.079	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	E, P
T19860-1	Chromium	11.3		mg/kg	0.98	0.069	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	E, P
T19944-10	Chromium	10.4		mg/kg	1.3	0.09	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	E, P
T19964-1	Chromium	9.6		mg/kg	1.1	0.078	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	E, P
T19878-12	Chromium	9		mg/kg	1.2	0.085	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	E, P
T19944-12	Chromium	8.9		mg/kg	1.1	0.074	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	E, P
T19878-3	Chromium	8.3		mg/kg	1	0.072	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	E, P
T19987-1	Chromium	7.8		mg/kg	1.2	0.085	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	E, P
T19878-1	Chromium	7.4		mg/kg	0.99	0.07	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	E, P
T19891-1	Chromium	6.9		mg/kg	1.1	0.077	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	E, P
T19944-8	Chromium	6.7		mg/kg	0.94	0.066	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	E, P
T19987-8	Chromium	6.4		mg/kg	1.1	0.077	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	E, P
T19891-3	Chromium	5.15		mg/kg	1.1	0.08	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	E, P
T19891-8	Chromium	5.1		mg/kg	1.2	0.084	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	E, P
T19944-4	Chromium	5.05		mg/kg	1	0.072	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	E, P
T19987-11	Chromium	4.9		mg/kg	1.2	0.081	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	E, P
T19861-10	Chromium	4.5		mg/kg	0.92	0.064	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	E, P
T19987-5	Chromium	4.5		mg/kg	1.2	0.086	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	E, P
T19927-4	Chromium	4.2		mg/kg	1.1	0.076	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	E, P
T19878-10	Chromium	4		mg/kg	1.1	0.08	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	E, P
T19891-6	Chromium	4		mg/kg	1.2	0.083	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	E, P
T19891-14	Chromium	3.9		mg/kg	1.1	0.08	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	E, P
T19878-5	Chromium	3.8		mg/kg	1	0.072	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	E, P
T19964-4	Chromium	3.7		mg/kg	1.1	0.075	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	E, P
T19861-7	Chromium	3.6		mg/kg	1.1	0.08	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	E, P
T19927-8	Chromium	3.6		mg/kg	0.81	0.056	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	E, P
T19861-12	Chromium	2.9		mg/kg	1.1	0.078	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	E, P
T19860-13	Chromium	2.8		mg/kg	1.4	0.097	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	E, P
T19878-16	Chromium	2.8		mg/kg	1.1	0.074	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	E, P
T19860-4	Chromium	2.3		mg/kg	0.86	0.06	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	E, P
T19964-7	Chromium	2		mg/kg	1.1	0.075	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	E, P
T19891-16	Chromium	1.714		mg/kg	0.0065	0.00046	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	E, P
T19878-8	Chromium	1.6		mg/kg	0.97	0.068	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	E, P
T19927-1	Chromium	1.45		mg/kg	0.94	0.066	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	E, P
T19891-11	Chromium	1.4		mg/kg	1	0.072	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	E, P
T19860-9	Chromium	1.25		mg/kg	1.1	0.077	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	E, P
T19860-7	Chromium	0.92	B	mg/kg	1.1	0.074	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	E
T19861-1	Chromium	0.9		mg/kg	0.9	0.063	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	E
T19861-18	Chromium	0.77	B	mg/kg	1.3	0.091	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	E

Regulatory Limits

Human (mg/kg)
EPA 0.29 residential (lower of requirements for Cr(III) and Cr(VI)) Does exceed Hex but appears sampled specifically for Hex.
TCEQ 33000

Ecological (mg/kg)
soil

Above EPA RSL Residential

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19878-7	Chromium	15		mg/kg	1.2	0.087	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	E, P
T19987-12	Chromium	8.8		mg/kg	1.1	0.077	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	E, P
T19927-3	Chromium	7.4		mg/kg	1	0.072	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	E, P
T19891-15	Chromium	6.1		mg/kg	1.1	0.075	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	E, P
T19944-6	Chromium	6		mg/kg	0.91	0.064	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	E, P
T19861-8	Chromium	5.2		mg/kg	0.81	0.057	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	E, P
T19891-12	Chromium	4.9		mg/kg	1.2	0.083	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	E, P
T19861-16	Chromium	4.3		mg/kg	1	0.07	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	E, P
T19891-5	Chromium	4.1		mg/kg	1.1	0.079	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	E, P
T19861-2	Chromium	3.9		mg/kg	0.69	0.048	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	E, P
T19861-6	Chromium	3.7		mg/kg	0.57	0.04	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	E, P
T19927-5	Chromium	3.7		mg/kg	0.69	0.048	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	E, P
T19891-2	Chromium	3.5		mg/kg	1.1	0.075	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	E, P
T19878-2	Chromium	3.4		mg/kg	1	0.072	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	E, P
T19878-17	Chromium	3.2		mg/kg	1.2	0.084	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	E, P
T19891-7	Chromium	3.2		mg/kg	1.2	0.081	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	E, P
T19944-13	Chromium	2.9		mg/kg	0.81	0.057	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	E, P
T19944-9	Chromium	2.7		mg/kg	0.8	0.056	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	E, P
T19878-11	Chromium	2.5		mg/kg	1.2	0.084	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	E, P
T19987-9	Chromium	2.5		mg/kg	1.2	0.082	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	E, P
T19878-13	Chromium	2.4		mg/kg	1.3	0.089	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	E, P
T19987-2	Chromium	2.3		mg/kg	1.1	0.077	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	E, P
T19944-11	Chromium	2.2		mg/kg	1.1	0.076	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	E, P
T19964-5	Chromium	2.2		mg/kg	1.1	0.076	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	E, P
T19860-8	Chromium	2.1		mg/kg	1.2	0.081	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	E, P
T19964-8	Chromium	1.9		mg/kg	1.2	0.083	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	E, P
T19861-11	Chromium	1.8		mg/kg	1.1	0.074	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	E, P
T19927-9	Chromium	1.8		mg/kg	0.7	0.049	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	E, P
T19891-18	Chromium	1.7		mg/kg	1.1	0.078	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	E, P
T19944-2	Chromium	1.5		mg/kg	1.1	0.076	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	E, P
T19987-6	Chromium	1.4		mg/kg	1.2	0.082	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	E, P
T19860-11	Chromium	1.2		mg/kg	0.99	0.07	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	E, P
T19878-9	Chromium	1.2		mg/kg	1.1	0.076	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	E, P
T19861-13	Chromium	1		mg/kg	1	0.073	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	E, P
T19860-2	Chromium	0.98	B	mg/kg	1.1	0.078	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	E
T19861-19	Chromium	0.8		mg/kg	0.8	0.056	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	E
T19964-3	Chromium	0.76	B	mg/kg	1.1	0.077	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	E
T19860-14	Chromium	0.63	B	mg/kg	1.4	0.097	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	E
T19891-9	Chromium	0.6	B	mg/kg	1.1	0.079	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	E
T19878-4	Chromium	0.59	B	mg/kg	0.98	0.068	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	E
T19860-5	Chromium	0.58	B	mg/kg	0.91	0.064	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	E

Regulatory Limits

Human (mg/kg)

TCEQ 33000

2,400 TCEQ soil to GW

Ecological (mg/kg)

soil

Above EPA RSLs for residential AND protection of gw

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-13	Chromium, Hexavalent	0.059		mg/l	0.01	0.004	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19878-18	Chromium, Hexavalent	0.023		mg/l	0.01	0.004	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T20073-7	Chromium, Hexavalent	0.007	B	mg/l	0.01	0.004	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19860-6	Chromium, Hexavalent	0.005	B	mg/l	0.01	0.004	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23

Regulatory Limits

	EPA RSL Tap Water SSL	MCL	TRRP
Human (mg/l)			
EPA			
TCEQ			0.1
Ecological (mg/l)			

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-1	Chromium, Hexavalent (a)	3.1		mg/kg	2.7	1.3	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19861-12	Chromium, Hexavalent (a)	1.9	B	mg/kg	2.4	1.2	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19891-1	Chromium, Hexavalent (a)	1.8	B	mg/kg	2	1	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19861-10	Chromium, Hexavalent (a)	1.4	B	mg/kg	2.4	1.2	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19861-1	Chromium, Hexavalent (a)	1.3	B	mg/kg	2.3	1.1	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
T19944-4	Chromium, Hexavalent (a)	1.3	J	mg/kg	2.6	1.3	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19987-8	Chromium, Hexavalent (a)	1.2	B	mg/kg	2.4	1.2	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S

Regulatory Limits

Human (mg/kg)

EPA 0.29000 residential

Ecological (mg/kg)

soil 130

Above EPA RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-17	Chromium, Hexavalent (a)	1.6	B	mg/kg	2.4	1.2	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19891-7	Chromium, Hexavalent (a)	1.3	B	mg/kg	2	1	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19891-9	Chromium, Hexavalent (a)	1.3	B	mg/kg	2	1	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19878-4	Chromium, Hexavalent (a)	1.2	B	mg/kg	2.4	1.2	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39
T19944-9	Chromium, Hexavalent (a)	1.1	B	mg/kg	2.3	1.1	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30

Regulatory Limits

Human (mg/kg)

EPA	0.29000	residential
TCEQ	0.00059	protection of gw

Ecological (mg/kg)

soil	130

Above EPA RSL Residential AND Protection of GW

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-7	Chrysene	41.2		mg/kg	2.2	0.72	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Chrysene	18.905		mg/kg	4.4	1.4	20	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Chrysene	0.773		mg/kg	0.19	0.064	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-8	Chrysene	0.164	J	mg/kg	0.21	0.069	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19860-4	Chrysene	0.163	J	mg/kg	0.19	0.062	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)
EPA 15 residential

Ecological (mg/kg)
soil 1.1

Above EPA RSL Residential, and Eco

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Chrysene	0.0901	J	mg/kg	0.19	0.063	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

EPA	15	residential
	1.1	protection of gw

Ecological (mg/kg)

soil	1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Cobalt	1.8	B	mg/kg	9.2	0.33	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Cobalt	0.78	B	mg/kg	7.3	0.26	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19944-1	Cobalt	4.6	B	mg/kg	6.3	0.23	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19860-1	Cobalt	3.3	B	mg/kg	4.9	0.18	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19944-12	Cobalt	3	B	mg/kg	5.3	0.19	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19987-1	Cobalt	2.8	B	mg/kg	6.1	0.22	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19861-15	Cobalt	2.5	B	mg/kg	5.6	0.2	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19944-10	Cobalt	2.5	B	mg/kg	6.4	0.23	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19987-8	Cobalt	2.3	B	mg/kg	5.5	0.2	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19964-1	Cobalt	2.2	B	mg/kg	5.6	0.2	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19891-1	Cobalt	1.8	B	mg/kg	5.5	0.2	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19878-12	Cobalt	1.7	B	mg/kg	6.1	0.22	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19944-8	Cobalt	1.7	B	mg/kg	4.7	0.17	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19927-8	Cobalt	1.6	B	mg/kg	4	0.15	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19891-3	Cobalt	1.55	B	mg/kg	5.7	0.21	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19987-11	Cobalt	1.5	B	mg/kg	5.8	0.21	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19878-5	Cobalt	1.45	B	mg/kg	5.1	0.18	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19944-4	Cobalt	1.45	B	mg/kg	5.2	0.19	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19861-7	Cobalt	1.3	B	mg/kg	5.7	0.21	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19861-10	Cobalt	1.3	B	mg/kg	4.6	0.16	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19878-3	Cobalt	1.3	B	mg/kg	5.1	0.18	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19891-8	Cobalt	1.3	B	mg/kg	6	0.22	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19987-5	Cobalt	1.3	B	mg/kg	6.1	0.22	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19964-4	Cobalt	1.2	B	mg/kg	5.4	0.19	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19878-10	Cobalt	1.1	B	mg/kg	5.7	0.21	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19891-14	Cobalt	1.1	B	mg/kg	5.7	0.21	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19964-7	Cobalt	1	B	mg/kg	5.4	0.19	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19860-13	Cobalt	0.74	B	mg/kg	6.9	0.25	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19891-6	Cobalt	0.71	B	mg/kg	5.9	0.21	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19878-16	Cobalt	0.62	B	mg/kg	5.3	0.19	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19860-4	Cobalt	0.61	B	mg/kg	4.3	0.15	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19878-8	Cobalt	0.53	B	mg/kg	4.8	0.17	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
T19861-18	Cobalt	0.47	B	mg/kg	6.5	0.23	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19891-16	Cobalt	0.46355	B	mg/kg	0.033	0.0012	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
T19927-4	Cobalt	0.44	B	mg/kg	5.5	0.2	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19861-12	Cobalt	0.43	B	mg/kg	5.5	0.2	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19878-1	Cobalt	0.36	B	mg/kg	5	0.18	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19891-11	Cobalt	0.2	B	mg/kg	5.2	0.19	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
T19927-1	Cobalt	0.19	B	mg/kg	4.7	0.17	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S

Regulatory Limits

Human (mg/kg)
EPA 23 residential

Ecological (mg/kg)
soil 13

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19891-15	Cobalt	1.9	B	mg/kg	5.4	0.19	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	yes
T19927-3	Cobalt	1.9	B	mg/kg	5.2	0.19	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	yes
T19944-6	Cobalt	1.7	B	mg/kg	4.6	0.16	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	yes
T19987-12	Cobalt	1.5	B	mg/kg	5.5	0.2	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	yes
T19891-2	Cobalt	1.2	B	mg/kg	5.4	0.19	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	yes
T19891-12	Cobalt	1.1	B	mg/kg	5.9	0.21	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	yes
T19891-7	Cobalt	0.99	B	mg/kg	5.8	0.21	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	yes
T19964-8	Cobalt	0.84	B	mg/kg	5.9	0.21	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	yes
T19964-5	Cobalt	0.78	B	mg/kg	5.4	0.2	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	yes
T19891-18	Cobalt	0.73	B	mg/kg	5.6	0.2	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	yes
T19861-8	Cobalt	0.72	B	mg/kg	4	0.15	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	yes
T19987-2	Cobalt	0.715	B	mg/kg	5.5	0.2	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	yes
T19878-7	Cobalt	0.69	B	mg/kg	6.2	0.22	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	yes
T19944-9	Cobalt	0.61	B	mg/kg	4	0.14	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	yes
T19878-2	Cobalt	0.58	B	mg/kg	5.1	0.18	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	yes
T19987-9	Cobalt	0.58	B	mg/kg	5.8	0.21	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	yes
T19861-16	Cobalt	0.56	B	mg/kg	5	0.18	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	yes
T19944-11	Cobalt	0.56	B	mg/kg	5.4	0.2	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	yes
T19944-13	Cobalt	0.55	B	mg/kg	4.1	0.15	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	yes
T19927-5	Cobalt	0.5	B	mg/kg	3.4	0.12	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	yes
T19927-9	Cobalt	0.48	B	mg/kg	3.5	0.13	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	yes
T19861-2	Cobalt	0.44	B	mg/kg	3.4	0.12	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	yes
T19891-5	Cobalt	0.39	B	mg/kg	5.6	0.2	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	yes
T19861-6	Cobalt	0.35	B	mg/kg	2.9	0.1	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	yes
T19944-2	Cobalt	0.34	B	mg/kg	5.4	0.19	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	yes
T19964-3	Cobalt	0.31	B	mg/kg	5.5	0.2	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	yes
T19987-6	Cobalt	0.26	B	mg/kg	5.9	0.21	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	yes
T19878-17	Cobalt	0.25	B	mg/kg	6	0.22	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	yes
T19878-13	Cobalt	0.24	B	mg/kg	6.4	0.23	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	yes

Regulatory Limits

Human (mg/kg)

EPA	23	residential
	0.21	protection of gw

Ecological (mg/kg)

soil	13

Above EPA RSL Protection of GW

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T20073-7	Copper	10.1	B	ug/l	25	5.9	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T20073-5	Copper	7.6	B	ug/l	25	5.9	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19987-13	Copper	6.7	B	ug/l	25	5.9	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-10	Copper	6.4	B	ug/l	25	5.9	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10

Regulatory Limits

Human (ug/l)	MCL
EPA	1300

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	exceed?
T20073-8	Copper	5		mg/kg	4.6	0.24	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	no
T20073-6	Copper	1.7	B	mg/kg	3.7	0.19	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	no
T19861-15	Copper	23.5		mg/kg	2.8	0.15	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	no
T19891-8	Copper	10.7		mg/kg	3	0.16	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	no
T19927-4	Copper	10.3		mg/kg	2.7	0.14	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	no
T19944-1	Copper	9.6		mg/kg	3.2	0.16	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	no
T19878-12	Copper	8.1		mg/kg	3	0.16	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	no
T19944-10	Copper	6.9		mg/kg	3.2	0.17	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	no
T19878-1	Copper	5.7		mg/kg	2.5	0.13	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	no
T19944-12	Copper	5.2		mg/kg	2.6	0.14	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	no
T19860-1	Copper	5.1		mg/kg	2.5	0.13	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	no
T19964-4	Copper	4.8		mg/kg	2.7	0.14	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	no
T19944-8	Copper	4.7		mg/kg	2.3	0.12	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	no
T19964-1	Copper	4.7		mg/kg	2.8	0.15	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	no
T19987-1	Copper	4.5		mg/kg	3	0.16	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	no
T19987-8	Copper	4.2		mg/kg	2.8	0.14	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	no
T19987-5	Copper	3.7		mg/kg	3.1	0.16	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	no
T19878-10	Copper	3.6		mg/kg	2.9	0.15	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	no
T19891-1	Copper	3.6		mg/kg	2.8	0.14	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	no
T19891-3	Copper	3.55		mg/kg	2.9	0.15	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	no
T19987-11	Copper	3.4		mg/kg	2.9	0.15	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	no
T19891-14	Copper	3.3		mg/kg	2.9	0.15	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	no
T19944-4	Copper	3.3		mg/kg	2.6	0.13	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	no
T19878-5	Copper	3.25		mg/kg	2.6	0.13	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	no
T19861-7	Copper	3.2		mg/kg	2.9	0.15	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	no
T19891-6	Copper	3.1		mg/kg	3	0.15	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	no
T19861-10	Copper	2.7		mg/kg	2.3	0.12	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	no
T19927-8	Copper	2.7		mg/kg	2	0.1	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	no
T19878-3	Copper	2.5	B	mg/kg	2.6	0.13	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	no
T19878-16	Copper	2.5	B	mg/kg	2.7	0.14	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	no
T19964-7	Copper	2.4	B	mg/kg	2.7	0.14	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	no
T19878-8	Copper	2.2	B	mg/kg	2.4	0.13	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	no
T19860-13	Copper	1.7	B	mg/kg	3.5	0.18	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	no
T19927-1	Copper	1.4	B	mg/kg	2.4	0.12	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	no
T19860-4	Copper	1.1	B	mg/kg	2.2	0.11	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	no
T19860-9	Copper	1.025	B	mg/kg	2.8	0.14	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	no
T19891-16	Copper	1.007	B	mg/kg	0.016	0.00085	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	no
T19891-11	Copper	1	B	mg/kg	2.6	0.13	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	no
T19861-1	Copper	0.99	B	mg/kg	2.3	0.12	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	no
T19860-7	Copper	0.93	B	mg/kg	2.7	0.14	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	no
T19861-18	Copper	0.93	B	mg/kg	3.2	0.17	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	no
T19861-12	Copper	0.86	B	mg/kg	2.8	0.14	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	no
T19861-4	Copper	0.685	B	mg/kg	3.1	0.16	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	no

Regulatory Limits

Human (mg/kg)
EPA 3100 residential

Ecological (ug/l)
soil 28

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19878-7	Copper	5.9		mg/kg	3.1	0.16	1	FR-041	J-19 S	AOC-1S	########	11:25	no
T19987-12	Copper	4.4		mg/kg	2.8	0.14	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	no
T19891-15	Copper	4.1		mg/kg	2.7	0.14	1	FR-068	J-28 S	AOC-1S	########	15:39	no
T19944-6	Copper	3.9		mg/kg	2.3	0.12	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	no
T19878-2	Copper	3.8		mg/kg	2.6	0.13	1	FR-036	J-15 S	AOC-1S	########	9:48	no
T19891-2	Copper	2.4	B	mg/kg	2.7	0.14	1	FR-055	J-23 S	AOC-1S	########	8:36	no
T19891-18	Copper	2.1	B	mg/kg	2.8	0.14	1	FR-071	J-26 S	AOC-1S	########	16:20	no
T19861-8	Copper	2		mg/kg	2	0.11	1	FR-023	J-08 S	AOC-1N	########	11:35	no
T19891-12	Copper	1.9	B	mg/kg	3	0.15	1	FR-065	J-13 S	AOC-1S	########	14:09	no
T19964-5	Copper	1.9	B	mg/kg	2.7	0.14	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	no
T19987-9	Copper	1.9	B	mg/kg	2.9	0.15	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	no
T19927-3	Copper	1.8	B	mg/kg	2.6	0.13	1	FR-075	J-25 S	AOC-1S	########	8:37	no
T19891-7	Copper	1.7	B	mg/kg	2.9	0.15	1	FR-060	J-16 S	AOC-1S	########	10:20	no
T19861-16	Copper	1.6	B	mg/kg	2.5	0.13	1	FR-031	J-07 S	AOC-1N	########	15:10	no
T19861-2	Copper	1.5	B	mg/kg	1.7	0.089	1	FR-017	J-02 S	AOC-1N	########	9:30	no
T19861-6	Copper	1.3	B	mg/kg	1.4	0.074	1	FR-021	J-06 S	AOC-1N	########	10:55	no
T19891-5	Copper	1.3	B	mg/kg	2.8	0.15	1	FR-058	J-22 S	AOC-1S	########	9:34	no
T19927-9	Copper	1.2	B	mg/kg	1.7	0.091	1	FR-081	J-35 S	AOC-1S	########	14:09	no
T19964-3	Copper	1.2	B	mg/kg	2.8	0.14	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	no
T19944-11	Copper	1.1	B	mg/kg	2.7	0.14	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	no
T19944-13	Copper	1.1	B	mg/kg	2	0.11	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	no
T19964-8	Copper	1	B	mg/kg	3	0.15	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	no
T19927-5	Copper	0.96	B	mg/kg	1.7	0.09	1	FR-077	J-27 S	AOC-1S	########	9:06	no
T19944-9	Copper	0.92	B	mg/kg	2	0.1	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	no
T19878-9	Copper	0.9	B	mg/kg	2.7	0.14	1	FR-043	J-24 S	AOC-1S	########	11:58	no
T19878-17	Copper	0.89	B	mg/kg	3	0.16	1	FR-051	J-18 S	AOC-1S	########	16:05	no
T19860-8	Copper	0.79	B	mg/kg	2.9	0.15	1	FR-008	J-04 S	AOC-1N	########	15:30	no
T19987-2	Copper	0.725	B	mg/kg	2.8	0.14	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	no
T19944-2	Copper	0.72	B	mg/kg	2.7	0.14	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	no
T19878-11	Copper	0.62	B	mg/kg	3	0.16	1	FR-045	J-20 S	AOC-1S	########	14:06	no
T19987-6	Copper	0.61	B	mg/kg	2.9	0.15	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	no
T19860-14	Copper	0.59	B	mg/kg	3.5	0.18	1	FR-014	J-01 S	AOC-1N	########	16:55	no
T19860-11	Copper	0.58	B	mg/kg	2.5	0.13	1	FR-011	J-03 S	AOC-1N	########	16:10	no
T19860-2	Copper	0.49	B	mg/kg	2.8	0.15	1	FR-002	J-11 S	AOC-1N	########	10:56	no
T19861-11	Copper	0.48	B	mg/kg	2.6	0.14	1	FR-026	J-09 S	AOC-1N	########	13:50	no
T19860-5	Copper	0.47	B	mg/kg	2.3	0.12	1	FR-005	J-12 S	AOC-1N	########	14:10	no
T19878-13	Copper	0.45	B	mg/kg	3.2	0.17	1	FR-047	J-17 S	AOC-1S	########	14:47	no
T19861-19	Copper	0.44	B	mg/kg	2	0.1	1	FR-034	J-05 S	AOC-1N	########	16:05	no
T19878-4	Copper	0.39	B	mg/kg	2.4	0.13	1	FR-038	J-21 S	AOC-1S	########	10:39	no
T19891-9	Copper	0.39	B	mg/kg	2.8	0.15	1	FR-062	J-14 S	AOC-1S	########	11:12	no
T19861-13	Copper	0.35	B	mg/kg	2.6	0.14	1	FR-028	J-10 S	AOC-1N	########	14:35	no

Regulatory Limits

Human (mg/kg)

EPA	3100	residential
	22	protection of gw

Ecological (ug/l)

soil	28

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-15	Cyclohexane	0.0323		mg/l	0.002	0.00053	1	FR-015	TW01-01	AOC-1N	########	16:50
T19987-13	Cyclohexane	0.00076	J	mg/l	0.002	0.00053	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19860-3	Cyclohexane	0.00068	J	mg/l	0.002	0.00053	1	FR-003	TW01-11	AOC-1N	########	11:35
T19861-17	Cyclohexane	0.00058	J	mg/l	0.002	0.00053	1	FR-032	TW01-07	AOC-1N	########	15:13

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	13	
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-14	Cyclohexane	0.0054	J	mg/kg	0.0068	0.0016	1	FR-014	J-01 S	AOC-1N	########	16:55

Regulatory Limits

Human (mg/kg)

EPA	7000	residential
	13	protection of gw

Ecological (mg/kg)

soil	N/A

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Dibenzofuran	0.0902	J	mg/kg	0.19	0.053	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

EPA	78	residential
	0.11	protection of gw

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Dibenzo(a,h)anthracene	0.281		mg/kg	0.19	0.068	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S

Regulatory Limits

Human (mg/kg)

EPA	0.015 residential
TCEQ	

Ecological (mg/kg)

soil	1.1

Above EPA RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-17	Diethyl phthalate	0.0025	J	mg/l	0.005	0.0011	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	11	
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19944-4	Diethyl phthalate	0.1325	J	mg/kg	0.21	0.059	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19944-8	Diethyl phthalate	0.123	J	mg/kg	0.2	0.056	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19964-7	Diethyl phthalate	0.0707	J	mg/kg	0.2	0.055	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S

Regulatory Limits

Human (mg/kg)

EPA	49000	residential
	4.7	protection of gw

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-2	Diethyl phthalate	0.123	J	mg/kg	0.2	0.055	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19944-6	Diethyl phthalate	0.111	J	mg/kg	0.2	0.055	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19944-9	Diethyl phthalate	0.101	J	mg/kg	0.19	0.053	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19964-5	Diethyl phthalate	0.0952	J	mg/kg	0.19	0.054	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19964-8	Diethyl phthalate	0.0763	J	mg/kg	0.19	0.054	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55

Regulatory Limits

Human (mg/kg)

EPA	49000	residential
	4.7	protection of gw

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19964-6	Di-n-butyl phthalate	0.0063		mg/l	0.005	0.0016	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.67	
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-7	Ethyl Ether	0.0133		mg/kg	0.0061	0.0061	1	FR-041	J-19 S	AOC-1S	########	11:25

Regulatory Limits

Human (mg/kg)

EPA	16000	residential
	0.68	protection of gw

Ecological (mg/kg)

soil	NA

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	Ethylbenzene	0.008		mg/l	0.002	0.00048	1	FR-003	TW01-11	AOC-1N	########	11:35
T19860-15	Ethylbenzene	0.0038		mg/l	0.002	0.00048	1	FR-015	TW01-01	AOC-1N	########	16:50
T19878-18	Ethylbenzene	0.0034		mg/l	0.002	0.00045	1	FR-052	TW01-18	AOC-1S	########	16:05
T19861-17	Ethylbenzene	0.002		mg/l	0.002	0.00048	1	FR-032	TW01-07	AOC-1N	########	15:13
T19861-3	Ethylbenzene	0.00058	J	mg/l	0.002	0.00048	1	FR-018	TW01-02	AOC-1N	########	9:45

Regulatory Limits

		EPA RSL Tap Water SSL	MCL	
Human (mg/l)				
EPA	1.340	0.0013	0.7	*MCL used for screening

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	Ethylbenzene	0.002	J	mg/kg	0.0056	0.0014	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S

Regulatory Limits

Human (mg/kg)

EPA	5.4	residential
	0.78	MCL based groundwater protection

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-19	Ethylbenzene	0.0275		mg/kg	0.006	0.0015	1	FR-034	J-05 S	AOC-1N	########	16:05
T19861-13	Ethylbenzene	0.0061		mg/kg	0.0058	0.0015	1	FR-028	J-10 S	AOC-1N	########	14:35
T19860-8	Ethylbenzene	0.0026	J	mg/kg	0.0064	0.0016	1	FR-008	J-04 S	AOC-1N	########	15:30

Regulatory Limits

Human (mg/kg)

EPA	5.4	residential
	0.0015	MCL based groundwater protection

Ecological (mg/kg)

soil	NP	

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Fluoranthene	1.42		mg/kg	0.19	0.088	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-8	Fluoranthene	0.337		mg/kg	0.21	0.095	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19860-4	Fluoranthene	0.192		mg/kg	0.19	0.086	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)
EPA 2300.00000 residential

Ecological (mg/kg)
soil 29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-7	Fluoranthene	0.114	J	mg/kg	0.21	0.093	1	FR-041	J-19 S	AOC-1S	########	11:25

Regulatory Limits

Human (mg/kg)

EPA	2300.00000	residential
	70.00000	protection of gw

Ecological (mg/kg)

soil	29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-9	Fluorene	0.25	J	mg/kg	0.44	0.13	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S

Regulatory Limits

Human (mg/kg)
EPA 2300.00000 residential

Ecological (mg/kg)
soil 29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19891-2	Fluorene	0.0964	J	mg/kg	0.19	0.058	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

EPA	2300.00000	residential
	4.00000	protection of gw

Ecological (mg/kg)

	soil	29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Indeno(1,2,3-cd)pyrene	0.813		mg/kg	0.19	0.075	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-4	Indeno(1,2,3-cd)pyrene	0.192		mg/kg	0.19	0.074	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)

EPA 0.15000 residential

Ecological (mg/kg)

soil 29

Above EPA RSL Residential

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-14	Iron	10150		ug/l	100	24	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19878-18	Iron	3230		ug/l	100	24	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19987-10	Iron	2970		ug/l	100	24	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19944-3	Iron	2950		ug/l	100	24	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19987-13	Iron	2540		ug/l	100	24	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19861-9	Iron	2150		ug/l	100	24	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19964-9	Iron	1960		ug/l	100	24	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19860-3	Iron	1720		ug/l	100	24	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-17	Iron	1540		ug/l	100	24	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19987-4	Iron	1390		ug/l	100	24	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19860-15	Iron	1060		ug/l	100	24	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-6	Iron	1050		ug/l	100	24	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19987-7	Iron	1040		ug/l	100	24	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19891-10	Iron	909		ug/l	100	24	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19944-7	Iron	864		ug/l	100	24	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19927-6	Iron	760.5		ug/l	100	24	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19927-10	Iron	625		ug/l	100	24	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19861-3	Iron	578		ug/l	100	24	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19964-6	Iron	372		ug/l	100	24	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T20073-7	Iron	184		ug/l	100	24	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19891-13	Iron	115		ug/l	100	24	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T20073-5	Iron	33.8	B	ug/l	100	24	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Regulatory Limits

Human (ug/l)	EPA RSL Tap Water SSL	MCL	Secondary MCL
EPA	11000		300

Ecological (ug/l)

Above EPA Secondary MCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	exceed?
T20073-8	Iron	3920		mg/kg	18	4.1	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	no
T20073-6	Iron	1750		mg/kg	15	3.3	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	no
T19944-1	Iron	15100		mg/kg	13	2.8	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	no
T19944-10	Iron	8740		mg/kg	13	2.9	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	no
T19878-12	Iron	8120		mg/kg	12	2.7	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	no
T19964-1	Iron	8115		mg/kg	11	2.5	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	no
T19944-12	Iron	7850		mg/kg	11	2.4	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	no
T19860-1	Iron	7560		mg/kg	9.8	2.2	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	no
T19987-1	Iron	7510		mg/kg	11	2.5	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	no
T19987-8	Iron	6570		mg/kg	11	2.5	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	no
T19944-8	Iron	5740		mg/kg	9.4	2.1	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	no
T19891-1	Iron	4900		mg/kg	11	2.5	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	no
T19944-4	Iron	4870		mg/kg	10	2.3	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	no
T19987-11	Iron	4810		mg/kg	12	2.6	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	no
T19878-10	Iron	4620		mg/kg	11	2.6	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	no
T19861-15	Iron	4500		mg/kg	11	2.5	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	no
T19861-10	Iron	4280		mg/kg	9.2	2.1	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	no
T19964-4	Iron	3860		mg/kg	11	2.4	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	no
T19891-8	Iron	3820		mg/kg	12	2.7	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	no
T19891-3	Iron	3585		mg/kg	11	2.6	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	no
T19861-7	Iron	3560		mg/kg	11	2.6	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	no
T19987-5	Iron	3560		mg/kg	11	2.4	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	no
T19927-8	Iron	3460		mg/kg	8.1	1.8	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	no
T19891-14	Iron	3150		mg/kg	11	2.6	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	no
T19878-5	Iron	3095		mg/kg	10	2.3	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	no
T19878-3	Iron	3050		mg/kg	10	2.3	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	no
T19878-1	Iron	2430		mg/kg	9.9	2.2	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	no
T19891-6	Iron	2290		mg/kg	12	2.7	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	no
T19861-12	Iron	2170		mg/kg	11	2.5	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	no
T19964-7	Iron	2050		mg/kg	11	2.4	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	no
T19878-16	Iron	2010		mg/kg	11	2.4	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	no
T19860-4	Iron	1860		mg/kg	8.6	1.9	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	no
T19860-13	Iron	1760		mg/kg	14	3.1	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	no
T19861-18	Iron	1740		mg/kg	13	2.9	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	no
T19878-8	Iron	1560		mg/kg	9.7	2.2	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	no
T19927-4	Iron	1510		mg/kg	11	2.4	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	no
T19891-16	Iron	1498		mg/kg	0.065	0.015	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	no
T19891-11	Iron	928		mg/kg	10	2.3	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	no
T19927-1	Iron	717		mg/kg	9.4	2.1	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	no
T19861-1	Iron	540		mg/kg	9	2	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	no
T19860-7	Iron	480		mg/kg	11	2.4	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	no
T19860-9	Iron	444.5		mg/kg	11	2.5	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	no
T19861-4	Iron	331		mg/kg	12	2.8	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	no

Regulatory Limits

Human (mg/kg)
EPA 55000.00000 residential

Ecological (mg/kg)
Soil NE

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19927-3	Iron	7950		mg/kg	10	2.3	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	yes
T19987-12	Iron	5250		mg/kg	11	2.5	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	yes
T19891-15	Iron	4970		mg/kg	11	2.4	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	yes
T19944-6	Iron	4560		mg/kg	9.1	2	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	yes
T19861-8	Iron	4410		mg/kg	8.1	1.8	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	yes
T19878-7	Iron	3080		mg/kg	12	2.8	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	yes
T19891-12	Iron	2910		mg/kg	12	2.6	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	yes
T19927-5	Iron	2710		mg/kg	6.9	1.5	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	yes
T19891-18	Iron	2700		mg/kg	11	2.5	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	yes
T19861-16	Iron	2680		mg/kg	10	2.2	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	yes
T19891-7	Iron	2610		mg/kg	12	2.6	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	yes
T19891-2	Iron	2590		mg/kg	11	2.4	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	yes
T19878-2	Iron	2220		mg/kg	10	2.3	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	yes
T19861-6	Iron	2000		mg/kg	5.7	1.3	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	yes
T19987-9	Iron	1930		mg/kg	12	2.6	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	yes
T19861-2	Iron	1900		mg/kg	6.9	1.5	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	yes
T19944-9	Iron	1880		mg/kg	8	1.8	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	yes
T19944-13	Iron	1790		mg/kg	8.1	1.8	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	yes
T19964-5	Iron	1780		mg/kg	11	2.4	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	yes
T19964-8	Iron	1400		mg/kg	12	2.7	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	yes
T19987-2	Iron	1350		mg/kg	10	2.3	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	yes
T19891-5	Iron	1280		mg/kg	11	2.5	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	yes
T19927-9	Iron	1280		mg/kg	7	1.6	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	yes
T19944-2	Iron	1280		mg/kg	11	2.4	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	yes
T19878-17	Iron	1270		mg/kg	12	2.7	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	yes
T19878-13	Iron	1230		mg/kg	13	2.9	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	yes
T19944-11	Iron	1130		mg/kg	11	2.4	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	yes
T19987-6	Iron	954		mg/kg	11	2.5	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	yes
T19964-3	Iron	693		mg/kg	11	2.5	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	yes
T19861-19	Iron	624		mg/kg	8	1.8	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	yes
T19878-11	Iron	548		mg/kg	12	2.7	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	yes
T19878-9	Iron	529		mg/kg	11	2.4	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	yes
T19860-11	Iron	494		mg/kg	9.9	2.2	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	yes
T19878-4	Iron	381		mg/kg	9.8	2.2	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	yes
T19860-8	Iron	363		mg/kg	12	2.6	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	yes
T19861-11	Iron	341		mg/kg	11	2.4	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	yes
T19891-9	Iron	270		mg/kg	11	2.5	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	yes
T19861-13	Iron	258		mg/kg	10	2.3	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	no
T19860-14	Iron	235		mg/kg	14	3.1	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	no
T19860-2	Iron	224		mg/kg	11	2.5	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	no
T19860-5	Iron	174		mg/kg	9.1	2	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	no

Regulatory Limits

Human (mg/kg)
EPA 55000.00000 residential
270.00000 protection of gw

Ecological (mg/kg)
Soil NE
Marine NA

Above EPA RSL Protection of GW

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	Isopropylbenzene	0.0068		mg/l	0.002	0.00046	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-6	Isopropylbenzene	0.0056		mg/l	0.002	0.00046	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Isopropylbenzene	0.0013	J	mg/l	0.002	0.00046	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	did not find for EPA or TRRP	
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-5	Isopropylbenzene	0.02265		mg/kg	0.0063	0.0015	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19891-14	Isopropylbenzene	0.0068		mg/kg	0.0063	0.0015	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19944-4	Isopropylbenzene	0.0048		mg/kg	0.0063	0.0015	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19891-3	Isopropylbenzene	0.00235	J	mg/kg	0.0058	0.0014	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19878-10	Isopropylbenzene	0.0014	J	mg/kg	0.0056	0.0013	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S

Regulatory Limits

Human (mg/kg)

EPA	2100.00000	residential
TCEQ		

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-19	Isopropylbenzene	0.0109		mg/kg	0.006	0.0014	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19861-13	Isopropylbenzene	0.007		mg/kg	0.0058	0.0014	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35

Regulatory Limits

Human (mg/kg)

EPA	2100.00000	residential
TCEQ	0.64000	protection of gw

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-3	Lead	19.5		ug/l	3	2.8	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19878-18	Lead	10		ug/l	3	2.8	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19987-13	Lead	8.7		ug/l	3	2.8	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-7	Lead	7.2		ug/l	3	2.8	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19987-10	Lead	5.7		ug/l	3	2.8	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19987-4	Lead	4.4		ug/l	3	2.8	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T20073-5	Lead	3.4		ug/l	3	2.8	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA		15

Ecological (ug/l)

Above EPA MCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T20073-8	Lead	8.3		mg/kg	1.8	0.74	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	
T20073-6	Lead	4		mg/kg	1.5	0.58	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	
T19878-16	Lead	80.7		mg/kg	1.1	0.43	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	M
T19861-15	Lead	80.6		mg/kg	1.1	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	M
T19891-8	Lead	55.8		mg/kg	1.2	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	M
T19944-10	Lead	23.8		mg/kg	1.3	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	M
T19891-3	Lead	22.45		mg/kg	1.1	0.46	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	M
T19987-1	Lead	20.9		mg/kg	1.2	0.49	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	M
T19878-5	Lead	19.75		mg/kg	1	0.41	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	M
T19878-1	Lead	18.9		mg/kg	0.99	0.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	M
T19944-4	Lead	18.8		mg/kg	1	0.41	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	M
T19878-3	Lead	17.7		mg/kg	1	0.41	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	M
T19878-10	Lead	17.1		mg/kg	1.1	0.46	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	M
T19878-12	Lead	16.1		mg/kg	1.2	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	M
T19964-1	Lead	14.75		mg/kg	1.1	0.45	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	
T19944-8	Lead	12.7		mg/kg	0.94	0.37	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	
T19944-12	Lead	11.6		mg/kg	1.1	0.42	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	
T19944-1	Lead	10.4		mg/kg	1.3	0.51	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	
T19891-1	Lead	9.9		mg/kg	1.1	0.44	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	
T19891-6	Lead	9.8		mg/kg	1.2	0.47	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	
T19964-4	Lead	9.2		mg/kg	1.1	0.43	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	
T19861-10	Lead	8.9		mg/kg	0.92	0.37	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	
T19861-7	Lead	8.3		mg/kg	1.1	0.46	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	
T19987-8	Lead	8		mg/kg	1.1	0.44	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	
T19878-8	Lead	7.2		mg/kg	0.97	0.39	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	
T19860-13	Lead	7		mg/kg	1.4	0.55	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	
T19861-12	Lead	6.9		mg/kg	1.1	0.44	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	
T19987-5	Lead	6.9		mg/kg	1.2	0.49	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	
T19987-11	Lead	6.7		mg/kg	1.2	0.46	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	
T19891-14	Lead	6.1		mg/kg	1.1	0.46	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	
T19860-1	Lead	6		mg/kg	0.98	0.39	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	
T19964-7	Lead	5.4		mg/kg	1.1	0.43	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	
T19927-8	Lead	5.1		mg/kg	0.81	0.32	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	
T19861-18	Lead	4.8		mg/kg	1.3	0.52	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	
T19861-1	Lead	4.6		mg/kg	0.9	0.36	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	
T19860-9	Lead	4.4		mg/kg	1.1	0.44	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	
T19927-4	Lead	3.7		mg/kg	1.1	0.44	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	
T19860-7	Lead	3.6		mg/kg	1.1	0.43	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	
T19860-4	Lead	3.4		mg/kg	0.86	0.34	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	
T19891-11	Lead	2.6		mg/kg	1	0.41	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	
T19927-1	Lead	2.45		mg/kg	0.94	0.38	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	
T19861-4	Lead	2.15		mg/kg	1.2	0.5	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	
T19891-16	Lead	2.021		mg/kg	0.0065	0.0026	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	

Regulatory Limits

Human (mg/kg)
EPA 400.00000 Residential

Ecological (mg/kg)
soil 11

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19878-7	Lead	26		mg/kg	1.2	0.49	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	M
T19891-15	Lead	9.3		mg/kg	1.1	0.43	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	
T19944-6	Lead	6.8		mg/kg	0.91	0.37	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	
T19964-5	Lead	6.3		mg/kg	1.1	0.43	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	
T19987-12	Lead	6		mg/kg	1.1	0.44	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19964-8	Lead	5.9		mg/kg	1.2	0.48	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	
T19987-9	Lead	5.7		mg/kg	1.2	0.47	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	
T19861-16	Lead	4.3		mg/kg	1	0.4	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	
T19878-17	Lead	4.2		mg/kg	1.2	0.48	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	
T19927-3	Lead	4.2		mg/kg	1	0.41	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19861-8	Lead	4.1		mg/kg	0.81	0.32	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	
T19861-2	Lead	3.8		mg/kg	0.69	0.27	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	
T19891-2	Lead	3.6		mg/kg	1.1	0.43	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	
T19878-2	Lead	3.5		mg/kg	1	0.41	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	
T19861-6	Lead	3.2		mg/kg	0.57	0.23	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	
T19927-5	Lead	3.2		mg/kg	0.69	0.28	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	
T19878-9	Lead	3.1		mg/kg	1.1	0.43	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	
T19891-12	Lead	2.8		mg/kg	1.2	0.47	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	
T19861-19	Lead	2.7		mg/kg	0.8	0.32	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19944-11	Lead	2.7		mg/kg	1.1	0.43	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	
T19944-13	Lead	2.7		mg/kg	0.81	0.32	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	
T19891-7	Lead	2.6		mg/kg	1.2	0.46	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	
T19891-5	Lead	2.5		mg/kg	1.1	0.45	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	
T19860-11	Lead	2.4		mg/kg	0.99	0.4	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	
T19860-2	Lead	2.3		mg/kg	1.1	0.45	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	
T19860-8	Lead	2.3		mg/kg	1.2	0.46	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19878-13	Lead	2.3		mg/kg	1.3	0.51	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	
T19944-9	Lead	2.3		mg/kg	0.8	0.32	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	
T19987-2	Lead	2.15		mg/kg	1.1	0.44	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	
T19878-11	Lead	2.1		mg/kg	1.2	0.48	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	
T19927-9	Lead	2		mg/kg	0.7	0.28	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	
T19860-14	Lead	1.9		mg/kg	1.4	0.55	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	
T19891-18	Lead	1.9		mg/kg	1.1	0.44	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	
T19944-2	Lead	1.9		mg/kg	1.1	0.43	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	
T19891-9	Lead	1.8		mg/kg	1.1	0.45	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	
T19861-13	Lead	1.7		mg/kg	1	0.42	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19964-3	Lead	1.7		mg/kg	1.1	0.44	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	
T19987-6	Lead	1.6		mg/kg	1.2	0.47	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	
T19861-11	Lead	1.5		mg/kg	1.1	0.42	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	
T19878-4	Lead	1.5		mg/kg	0.98	0.39	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	
T19860-5	Lead	1.3		mg/kg	0.91	0.36	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	

Regulatory Limits

Human (mg/kg)

EPA	400.00000	residential
	NS	protection of gw
TCEQ	3.00000	soil leaching to GW

Ecological (mg/kg)

soil	11

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-3	Manganese	4120		ug/l	15	4.1	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-9	Manganese	2150		ug/l	15	4.1	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19944-7	Manganese	2140		ug/l	15	4.1	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19964-6	Manganese	1010		ug/l	15	4.1	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19987-13	Manganese	994		ug/l	15	4.1	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19987-7	Manganese	968		ug/l	15	4.1	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19927-10	Manganese	826		ug/l	15	4.1	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19987-4	Manganese	776		ug/l	15	4.1	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19987-10	Manganese	746		ug/l	15	4.1	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19878-14	Manganese	452.5		ug/l	15	4.1	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19891-13	Manganese	394		ug/l	15	4.1	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19927-6	Manganese	352.5		ug/l	15	4.1	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19860-3	Manganese	324		ug/l	15	4.1	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19891-10	Manganese	276		ug/l	15	4.1	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19861-3	Manganese	170		ug/l	15	4.1	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19860-6	Manganese	146		ug/l	15	4.1	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Manganese	139		ug/l	15	4.1	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19878-18	Manganese	118		ug/l	15	4.1	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19861-17	Manganese	111		ug/l	15	4.1	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19861-9	Manganese	110		ug/l	15	4.1	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T20073-7	Manganese	11	B	ug/l	15	4.1	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T20073-5	Manganese	8.2	B	ug/l	15	4.1	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Regulatory Limits

Human (ug/l)	EPA RSL Tap Water SSL	MCL	Secondary MCL
EPA	320		50

Ecological (ug/l)

Above EPA RSL
Above EPA Secondary MCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Manganese	319		mg/kg	2.8	0.13	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Manganese	146		mg/kg	2.2	0.1	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19944-1	Manganese	210		mg/kg	1.9	0.089	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19964-7	Manganese	207		mg/kg	1.6	0.075	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19944-12	Manganese	191		mg/kg	1.6	0.074	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19987-1	Manganese	155		mg/kg	1.8	0.085	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19878-12	Manganese	146		mg/kg	1.8	0.085	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19927-8	Manganese	144		mg/kg	1.2	0.056	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19944-10	Manganese	143		mg/kg	1.9	0.09	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19891-1	Manganese	141		mg/kg	1.7	0.077	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19860-1	Manganese	121		mg/kg	1.5	0.069	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19891-3	Manganese	114.25		mg/kg	1.7	0.08	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19987-8	Manganese	110		mg/kg	1.7	0.077	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19987-11	Manganese	106		mg/kg	1.7	0.081	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19891-14	Manganese	104		mg/kg	1.7	0.08	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19861-7	Manganese	102		mg/kg	1.7	0.08	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19987-5	Manganese	102		mg/kg	1.8	0.086	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19944-4	Manganese	91.95		mg/kg	1.5	0.072	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19891-6	Manganese	80.5		mg/kg	1.8	0.083	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19964-1	Manganese	77.5		mg/kg	1.7	0.078	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19878-3	Manganese	77		mg/kg	1.5	0.072	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19878-10	Manganese	73.6		mg/kg	1.7	0.08	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19944-8	Manganese	69.4		mg/kg	1.4	0.066	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19860-13	Manganese	66.4		mg/kg	2.1	0.097	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19964-4	Manganese	65.6		mg/kg	1.6	0.075	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19878-5	Manganese	49.4		mg/kg	1.5	0.072	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19878-16	Manganese	49.4		mg/kg	1.6	0.074	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19891-8	Manganese	47.3		mg/kg	1.8	0.084	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19861-10	Manganese	43.6		mg/kg	1.4	0.064	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19927-4	Manganese	42.7		mg/kg	1.6	0.076	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19878-8	Manganese	41		mg/kg	1.5	0.068	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
T19861-15	Manganese	39.6		mg/kg	1.7	0.079	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19860-4	Manganese	37.3		mg/kg	1.3	0.06	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19891-16	Manganese	27.69		mg/kg	0.0098	0.00046	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
T19878-1	Manganese	26.4		mg/kg	1.5	0.07	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19861-12	Manganese	21.5		mg/kg	1.7	0.078	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19861-1	Manganese	21.1		mg/kg	1.4	0.063	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
T19927-1	Manganese	17.7		mg/kg	1.4	0.066	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
T19860-7	Manganese	15.7		mg/kg	1.6	0.074	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Manganese	11.9		mg/kg	1.7	0.077	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-18	Manganese	11.5		mg/kg	1.9	0.091	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19891-11	Manganese	10		mg/kg	1.5	0.072	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S
T19861-4	Manganese	9.3		mg/kg	1.9	0.087	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S

Regulatory Limits

Human (mg/kg)
EPA 1800 residential

Ecological (mg/kg)
soil 220

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19944-6	Manganese	241		mg/kg	1.4	0.064	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	above Eco
T19987-9	Manganese	153		mg/kg	1.7	0.082	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	
T19891-15	Manganese	146		mg/kg	1.6	0.075	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	
T19964-5	Manganese	134		mg/kg	1.6	0.076	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	
T19891-2	Manganese	130		mg/kg	1.6	0.075	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	
T19987-12	Manganese	112		mg/kg	1.7	0.077	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	
T19987-6	Manganese	76.3		mg/kg	1.8	0.082	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	
T19891-5	Manganese	75		mg/kg	1.7	0.079	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	
T19964-8	Manganese	73		mg/kg	1.8	0.083	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	
T19987-2	Manganese	70.05		mg/kg	1.7	0.077	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	
T19944-11	Manganese	69.5		mg/kg	1.6	0.076	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	
T19891-18	Manganese	54.3		mg/kg	1.7	0.078	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	
T19927-9	Manganese	51.3		mg/kg	1	0.049	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	
T19891-7	Manganese	49.3		mg/kg	1.7	0.081	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	
T19927-3	Manganese	36		mg/kg	1.6	0.072	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	
T19944-2	Manganese	31.7		mg/kg	1.6	0.076	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	
T19944-13	Manganese	29		mg/kg	1.2	0.057	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	
T19927-5	Manganese	21.3		mg/kg	1	0.048	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	
T19878-7	Manganese	19.7		mg/kg	1.9	0.087	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	
T19944-9	Manganese	17.8		mg/kg	1.2	0.056	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	
T19891-12	Manganese	17.2		mg/kg	1.8	0.083	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	
T19861-8	Manganese	13.9		mg/kg	1.2	0.057	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	
T19861-2	Manganese	12.9		mg/kg	1	0.048	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	
T19878-2	Manganese	11.9		mg/kg	1.5	0.072	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	
T19861-16	Manganese	10.8		mg/kg	1.5	0.07	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	
T19878-17	Manganese	10.1		mg/kg	1.8	0.084	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	
T19861-6	Manganese	9.9		mg/kg	0.86	0.04	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	
T19878-13	Manganese	9.9		mg/kg	1.9	0.089	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	
T19878-9	Manganese	9.1		mg/kg	1.6	0.076	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	
T19964-3	Manganese	9		mg/kg	1.7	0.077	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	
T19878-11	Manganese	7.5		mg/kg	1.8	0.084	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	
T19860-8	Manganese	6.2		mg/kg	1.7	0.081	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19891-9	Manganese	5.5		mg/kg	1.7	0.079	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	
T19860-11	Manganese	5.1		mg/kg	1.5	0.07	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	
T19861-19	Manganese	4.6		mg/kg	1.2	0.056	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19878-4	Manganese	4.5		mg/kg	1.5	0.068	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	
T19860-14	Manganese	4.4		mg/kg	2.1	0.097	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	
T19861-11	Manganese	4.1		mg/kg	1.6	0.074	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	
T19860-2	Manganese	3.5		mg/kg	1.7	0.078	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	
T19861-13	Manganese	3.1		mg/kg	1.6	0.073	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19860-5	Manganese	2.7		mg/kg	1.4	0.064	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	

Regulatory Limits

Human (mg/kg)

EPA	1800	residential
	21	protection of gw

Ecological (mg/kg)

soil	220

Above EPA RSL Protection of GW

Above EPA RSL to GW and Eco

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T20073-8	Mercury	0.0022	B	mg/kg	0.03	0.0012	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	
T20073-6	Mercury	0.0011	B	mg/kg	0.025	0.00098	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	
T19861-15	Mercury	0.74		mg/kg	0.098	0.0039	5	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	E, P, M
T19944-1	Mercury	0.079		mg/kg	0.027	0.0011	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	M
T19878-5	Mercury	0.049		mg/kg	0.018	0.0007	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	M
T19891-3	Mercury	0.034		mg/kg	0.02	0.00079	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	
T19891-6	Mercury	0.034		mg/kg	0.02	0.00078	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	
T19878-8	Mercury	0.026		mg/kg	0.019	0.00076	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	
T19878-12	Mercury	0.024		mg/kg	0.02	0.0008	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	
T19944-10	Mercury	0.024		mg/kg	0.021	0.00082	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	
T19964-1	Mercury	0.0215		mg/kg	0.018	0.00071	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	
T19987-5	Mercury	0.019	B	mg/kg	0.02	0.00079	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	
T19878-3	Mercury	0.016	B	mg/kg	0.021	0.00081	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	
T19927-4	Mercury	0.016	B	mg/kg	0.019	0.00076	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	
T19944-8	Mercury	0.014	B	mg/kg	0.018	0.00072	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	
T19861-10	Mercury	0.013	B	mg/kg	0.019	0.00073	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	
T19878-10	Mercury	0.013	B	mg/kg	0.019	0.00076	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	
T19964-4	Mercury	0.013	B	mg/kg	0.017	0.00068	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	
T19891-1	Mercury	0.012	B	mg/kg	0.019	0.00074	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	
T19878-1	Mercury	0.011	B	mg/kg	0.018	0.00072	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	
T19860-9	Mercury	0.0096	B	mg/kg	0.022	0.00086	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	
T19927-1	Mercury	0.0095	B	mg/kg	0.021	0.00083	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	
T19891-14	Mercury	0.0093	B	mg/kg	0.02	0.00078	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	
T19878-16	Mercury	0.0088	B	mg/kg	0.02	0.0008	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	
T19860-13	Mercury	0.0083	B	mg/kg	0.021	0.00082	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	
T19987-1	Mercury	0.0079	B	mg/kg	0.018	0.00072	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	
T19964-7	Mercury	0.0076	B	mg/kg	0.019	0.00076	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	
T19891-16	Mercury	0.0073	B	mg/kg	0.019	0.00075	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	
T19927-8	Mercury	0.0072	B	mg/kg	0.019	0.00075	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	
T19860-7	Mercury	0.007	B	mg/kg	0.022	0.00085	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	
T19944-12	Mercury	0.007	B	mg/kg	0.02	0.00078	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	
T19861-1	Mercury	0.0069	B	mg/kg	0.018	0.00072	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	
T19860-4	Mercury	0.0065	B	mg/kg	0.017	0.00068	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	
T19891-8	Mercury	0.0054	B	mg/kg	0.021	0.00082	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	
T19987-8	Mercury	0.0054	B	mg/kg	0.019	0.00074	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	
T19861-4	Mercury	0.00535	B	mg/kg	0.02	0.00078	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	
T19861-12	Mercury	0.0047	B	mg/kg	0.018	0.00072	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	
T19860-1	Mercury	0.0037	B	mg/kg	0.02	0.00079	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	
T19944-4	Mercury	0.0031	B	mg/kg	0.022	0.00086	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	
T19861-7	Mercury	0.0014	B	mg/kg	0.019	0.00074	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	
T19861-18	Mercury	0.0014	B	mg/kg	0.017	0.00068	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	
T19987-11	Mercury	0.0013	B	mg/kg	0.02	0.00078	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	

Regulatory Limits

Human (mg/kg)

EPA	10	residential
	0.033	protection of ground water

Ecological (mg/kg)

soil	NP

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

E Above Earthworms Limit

P Above Plants Limit

M Above Median Background Limit

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19860-5	Mercury	0.59		mg/kg	0.019	0.00076	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	yes
T19860-14	Mercury	0.055		mg/kg	0.023	0.0009	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	yes
T19878-13	Mercury	0.055		mg/kg	0.019	0.00076	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	yes
T19891-15	Mercury	0.054		mg/kg	0.018	0.0007	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	yes
T19861-8	Mercury	0.048		mg/kg	0.017	0.00066	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	yes
T19861-6	Mercury	0.033		mg/kg	0.018	0.0007	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	yes
T19861-2	Mercury	0.019		mg/kg	0.019	0.00076	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	No
T19987-6	Mercury	0.014	B	mg/kg	0.019	0.00076	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	No
T19878-2	Mercury	0.013	B	mg/kg	0.017	0.00066	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	No
T19861-16	Mercury	0.012	B	mg/kg	0.017	0.00068	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	No
T19878-9	Mercury	0.012	B	mg/kg	0.018	0.00072	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	No
T19891-18	Mercury	0.011	B	mg/kg	0.018	0.00072	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	No
T19927-3	Mercury	0.01	B	mg/kg	0.016	0.00061	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	No
T19944-6	Mercury	0.008	B	mg/kg	0.019	0.00075	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	No
T19891-2	Mercury	0.0077	B	mg/kg	0.018	0.0007	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	No
T19891-12	Mercury	0.0073	B	mg/kg	0.018	0.00073	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	No
T19927-5	Mercury	0.0072	B	mg/kg	0.018	0.00069	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	No
T19878-7	Mercury	0.0065	B	mg/kg	0.02	0.0008	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	No
T19964-5	Mercury	0.0053	B	mg/kg	0.019	0.00076	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	No
T19860-11	Mercury	0.0051	B	mg/kg	0.019	0.00076	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	No
T19878-17	Mercury	0.0048	B	mg/kg	0.019	0.00076	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	No
T19964-8	Mercury	0.0048	B	mg/kg	0.019	0.00075	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	No
T19987-2	Mercury	0.0046	B	mg/kg	0.018	0.00072	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	No
T19891-5	Mercury	0.0045	B	mg/kg	0.017	0.00067	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	No
T19944-11	Mercury	0.0043	B	mg/kg	0.019	0.00076	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	No
T19927-9	Mercury	0.0038	B	mg/kg	0.02	0.00081	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	No
T19964-3	Mercury	0.0026	B	mg/kg	0.02	0.00078	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	No
T19891-7	Mercury	0.0025	B	mg/kg	0.019	0.00073	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	No
T19944-9	Mercury	0.0024	B	mg/kg	0.017	0.00068	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	No
T19861-19	Mercury	0.0021	B	mg/kg	0.018	0.00072	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	No
T19860-2	Mercury	0.0017	B	mg/kg	0.022	0.00086	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	No
T19987-9	Mercury	0.0013	B	mg/kg	0.02	0.00081	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	No

Regulatory Limits

Human (mg/kg)

EPA	10	residential
	0.033	protection of ground water

Ecological (mg/kg)

soil	NP

Above EPA RSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-6	Methyl ethyl ketone	0.01	J	mg/kg	0.074	0.01	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD

Regulatory Limits

Human (mg/kg)

EPA 28000.00000

Ecological (mg/kg)

Soil NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	exceed?
T19861-15	Methylene chloride	0.0235		mg/kg	0.012	0.0028	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	No
T19860-1	Methylene chloride	0.0176		mg/kg	0.013	0.0032	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	No
T19860-7	Methylene chloride	0.0134		mg/kg	0.013	0.0032	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	No
T19860-4	Methylene chloride	0.0117		mg/kg	0.011	0.0026	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	No
T19878-10	Methylene chloride	0.0114		mg/kg	0.011	0.0027	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	No
T19878-3	Methylene chloride	0.0096	J	mg/kg	0.012	0.0031	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	No
T19861-18	Methylene chloride	0.0069	J	mg/kg	0.012	0.003	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	No
T19860-9	Methylene chloride	0.00555	J	mg/kg	0.013	0.0031	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	No
T19861-4	Methylene chloride	0.0048	J	mg/kg	0.012	0.003	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	No
T19878-12	Methylene chloride	0.0048	J	mg/kg	0.013	0.0032	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	No
T19861-10	Methylene chloride	0.0043	J	mg/kg	0.011	0.0028	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	No
T19878-1	Methylene chloride	0.0041	J	mg/kg	0.012	0.003	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	No
T19861-7	Methylene chloride	0.004	J	mg/kg	0.011	0.0028	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	No
T19878-5	Methylene chloride	0.004	J	mg/kg	0.013	0.0031	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	No
T19860-13	Methylene chloride	0.0038	J	mg/kg	0.014	0.0034	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	No
T19927-8	Methylene chloride	0.0036	J	mg/kg	0.012	0.003	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	No
T19861-12	Methylene chloride	0.0035	J	mg/kg	0.011	0.0028	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	No
T19927-1	Methylene chloride	0.0035	J	mg/kg	0.014	0.0034	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	No
T19861-1	Methylene chloride	0.0034	J	mg/kg	0.011	0.0027	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	No

Regulatory Limits

Human (mg/kg)

EPA	56.00000	residential

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	exceed?
T19878-7	Methylene chloride	0.0999		mg/kg	0.012	0.003	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	yes
T19878-11	Methylene chloride	0.0334		mg/kg	0.013	0.0031	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	yes
T19861-19	Methylene chloride	0.016		mg/kg	0.012	0.0029	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	yes
T19860-2	Methylene chloride	0.0146		mg/kg	0.013	0.0031	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	yes
T19861-16	Methylene chloride	0.0143		mg/kg	0.011	0.0028	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	yes
T19860-8	Methylene chloride	0.0101	J	mg/kg	0.013	0.0031	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	yes
T19860-5	Methylene chloride	0.0078	J	mg/kg	0.012	0.0029	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	yes
T19860-14	Methylene chloride	0.0078	J	mg/kg	0.014	0.0033	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	yes
T19861-13	Methylene chloride	0.0076	J	mg/kg	0.012	0.0029	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	yes
T19860-11	Methylene chloride	0.0072	J	mg/kg	0.013	0.0031	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	yes
T19878-17	Methylene chloride	0.006	J	mg/kg	0.012	0.0029	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	yes
T19944-11	Methylene chloride	0.0058	J	mg/kg	0.012	0.0028	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	yes
T19944-9	Methylene chloride	0.0053	J	mg/kg	0.011	0.0026	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	yes
T19878-13	Methylene chloride	0.0049	J	mg/kg	0.013	0.0031	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	yes
T19861-6	Methylene chloride	0.0048	J	mg/kg	0.011	0.0026	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	yes
T19927-9	Methylene chloride	0.0044	J	mg/kg	0.012	0.0029	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	yes
T19944-13	Methylene chloride	0.0044	J	mg/kg	0.012	0.003	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	yes
T19861-11	Methylene chloride	0.0042	J	mg/kg	0.011	0.0027	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	yes
T19861-2	Methylene chloride	0.0039	J	mg/kg	0.011	0.0027	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	yes
T19878-9	Methylene chloride	0.0034	J	mg/kg	0.011	0.0028	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	yes
T19927-3	Methylene chloride	0.0034	J	mg/kg	0.01	0.0025	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	yes
T19927-5	Methylene chloride	0.0031	J	mg/kg	0.011	0.0028	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	yes
T19987-12	Methylene chloride	0.0031	J	mg/kg	0.012	0.0029	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	yes
T19878-2	Methylene chloride	0.003	J	mg/kg	0.011	0.0027	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	yes

Regulatory Limits

Human (mg/kg)

EPA	56.00000	residential
	0.00250	protection of gw

Ecological (mg/kg)

	soil	NP

Above EPA RSL protection of gw

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	Naphthalene	0.163		mg/l	0.015	0.0044	3	FR-003	TW01-11	AOC-1N	########	11:35
T19860-15	Naphthalene	0.0273		mg/l	0.005	0.0015	1	FR-015	TW01-01	AOC-1N	########	16:50
T19860-6	Naphthalene	0.0256		mg/l	0.005	0.0015	1	FR-006	TW01-12	AOC-1N	########	14:23
T19861-17	Naphthalene	0.0053		mg/l	0.005	0.0015	1	FR-032	TW01-07	AOC-1N	########	15:13
T19861-3	Naphthalene	0.0021	J	mg/l	0.005	0.0015	1	FR-018	TW01-02	AOC-1N	########	9:45

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.00014	
TCEQ		

Ecological (mg/l)

Above EPA RSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-1	Naphthalene	0.175	J	mg/kg	0.2	0.049	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S

Regulatory Limits

Human (mg/kg)

EPA	3.60000	residential

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-19	Naphthalene	0.41		mg/kg	0.2	0.049	1	FR-034	J-05 S	AOC-1N	########	16:05
T19861-13	Naphthalene	0.177	J	mg/kg	0.2	0.048	1	FR-028	J-10 S	AOC-1N	########	14:35
T19878-7	Naphthalene	0.157	J	mg/kg	0.21	0.05	1	FR-041	J-19 S	AOC-1S	########	11:25

Regulatory Limits

Human (mg/kg)

EPA	3.60000	residential
	0.00047	protection of gw

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	n-Butylbenzene	0.0087		mg/l	0.002	0.0006	1	FR-003	TW01-11	AOC-1N	########	11:35
T19861-17	n-Butylbenzene	0.0016	J	mg/l	0.002	0.0006	1	FR-032	TW01-07	AOC-1N	########	15:13

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.78	
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	n-Butylbenzene	0.0799		mg/kg	0.0058	0.0011	1	FR-028	J-10 S	AOC-1N	########	14:35
T19861-19	n-Butylbenzene	0.0149		mg/kg	0.006	0.0012	1	FR-034	J-05 S	AOC-1N	########	16:05

Regulatory Limits

Human (mg/kg)

EPA	3900	residential
	2.5	protection of gw

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-6	Nickel	51.6		ug/l	40	2.6	1	FR-006	TW01-12	AOC-1N	########	14:23
T19987-13	Nickel	9.9	B	ug/l	40	2.6	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19944-3	Nickel	6.7	B	ug/l	40	2.6	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19987-10	Nickel	6.3	B	ug/l	40	2.6	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19927-6	Nickel	4.35	B	ug/l	40	2.6	1	FR-078A	TW01-27	AOC-1S	########	9:25
T19987-4	Nickel	3.5	B	ug/l	40	2.6	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T19944-7	Nickel	3.2	B	ug/l	40	2.6	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19878-18	Nickel	2.9	B	ug/l	40	2.6	1	FR-052	TW01-18	AOC-1S	########	16:05

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA	300	
TCEQ		

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T20073-8	Nickel	3.1	B	mg/kg	7.4	0.24	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD
T20073-6	Nickel	0.99	B	mg/kg	5.8	0.19	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD
T19944-1	Nickel	9.3		mg/kg	5.1	0.16	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S
T19878-12	Nickel	8.6		mg/kg	5.1	0.16	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19944-12	Nickel	5.3		mg/kg	4.2	0.14	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S
T19944-10	Nickel	5.2		mg/kg	5.1	0.17	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S
T19860-1	Nickel	5.1		mg/kg	3.9	0.13	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S
T19964-1	Nickel	4.55	B	mg/kg	4.5	0.15	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19861-15	Nickel	4.3	B	mg/kg	4.5	0.15	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19987-1	Nickel	4.2	B	mg/kg	4.9	0.16	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S
T19878-3	Nickel	4.1		mg/kg	4.1	0.13	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S
T19987-8	Nickel	3.5	B	mg/kg	4.4	0.14	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S
T19878-10	Nickel	3.4	B	mg/kg	4.6	0.15	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19944-8	Nickel	3.4	B	mg/kg	3.7	0.12	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S
T19891-1	Nickel	3.3	B	mg/kg	4.7	0.15	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S
T19891-3	Nickel	3.05	B	mg/kg	4.2	0.14	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19944-4	Nickel	2.95	B	mg/kg	4.1	0.13	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S
T19927-8	Nickel	2.7	B	mg/kg	3.2	0.1	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S
T19987-11	Nickel	2.5	B	mg/kg	4.6	0.15	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S
T19987-5	Nickel	2.4	B	mg/kg	4.9	0.16	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S
T19861-10	Nickel	2.2	B	mg/kg	3.7	0.12	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-16	Nickel	2.2	B	mg/kg	4.5	0.15	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S
T19861-7	Nickel	2.1	B	mg/kg	4.6	0.15	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S
T19964-4	Nickel	2	B	mg/kg	4.3	0.14	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S
T19891-6	Nickel	1.9	B	mg/kg	4.9	0.16	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19878-5	Nickel	1.8	B	mg/kg	4.1	0.13	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S
T19891-8	Nickel	1.7	B	mg/kg	4.6	0.15	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19891-14	Nickel	1.5	B	mg/kg	5.1	0.17	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19860-4	Nickel	1.3	B	mg/kg	3.4	0.11	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S
T19964-7	Nickel	1.3	B	mg/kg	4.3	0.14	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S
T19878-16	Nickel	1.2	B	mg/kg	4.9	0.16	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S
T19927-4	Nickel	1.2	B	mg/kg	4.4	0.14	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S
T19878-1	Nickel	1.1	B	mg/kg	4	0.13	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S
T19860-13	Nickel	1	B	mg/kg	5.5	0.18	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S
T19878-8	Nickel	0.81	B	mg/kg	3.9	0.13	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S
T19861-12	Nickel	0.76	B	mg/kg	4.4	0.14	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S
T19861-18	Nickel	0.56	B	mg/kg	5.2	0.17	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S
T19927-1	Nickel	0.48	B	mg/kg	3.8	0.12	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S
T19860-7	Nickel	0.35	B	mg/kg	4.3	0.14	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Nickel	0.33	B	mg/kg	4.4	0.14	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-1	Nickel	0.29	B	mg/kg	3.6	0.12	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S
T19891-11	Nickel	0.27	B	mg/kg	4.2	0.14	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S

Regulatory Limits

Human (mg/kg)
EPA 1500 residential
20 protection of gw

Ecological (mg/kg)
soil 38

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-7	Nickel	5.9		mg/kg	4.9	0.16	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19891-12	Nickel	5.8		mg/kg	4.9	0.16	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19927-3	Nickel	4	B	mg/kg	4.1	0.13	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19944-6	Nickel	3.6	B	mg/kg	3.7	0.12	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19987-12	Nickel	2.9	B	mg/kg	4.4	0.14	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19891-2	Nickel	2.6	B	mg/kg	4.6	0.15	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19891-5	Nickel	2.4	B	mg/kg	4.4	0.14	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19861-2	Nickel	1.8	B	mg/kg	2.7	0.089	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19861-8	Nickel	1.8	B	mg/kg	3.2	0.11	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19861-16	Nickel	1.8	B	mg/kg	4	0.13	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-7	Nickel	1.8	B	mg/kg	4.6	0.15	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19891-15	Nickel	1.8	B	mg/kg	4.3	0.14	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19878-2	Nickel	1.5	B	mg/kg	4.1	0.13	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19891-18	Nickel	1.5	B	mg/kg	4.4	0.14	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19927-5	Nickel	1.4	B	mg/kg	2.8	0.09	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19944-9	Nickel	1.4	B	mg/kg	3.2	0.1	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19987-9	Nickel	1.4	B	mg/kg	4.7	0.15	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19861-6	Nickel	1.3	B	mg/kg	2.3	0.074	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19944-13	Nickel	1.3	B	mg/kg	3.2	0.11	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19927-9	Nickel	1.1	B	mg/kg	2.8	0.091	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19944-11	Nickel	1	B	mg/kg	4.3	0.14	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19964-5	Nickel	0.99	B	mg/kg	4.3	0.14	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19944-2	Nickel	0.73	B	mg/kg	4.3	0.14	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19987-2	Nickel	0.66	B	mg/kg	4.4	0.14	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19860-11	Nickel	0.46	B	mg/kg	4	0.13	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10
T19987-6	Nickel	0.39	B	mg/kg	4.7	0.15	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19878-17	Nickel	0.36	B	mg/kg	4.7	0.15	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19964-8	Nickel	0.36	B	mg/kg	4.8	0.15	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19860-8	Nickel	0.32	B	mg/kg	4.6	0.15	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30
T19878-13	Nickel	0.29	B	mg/kg	4.4	0.14	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19861-19	Nickel	0.28	B	mg/kg	3.2	0.1	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19860-2	Nickel	0.26	B	mg/kg	4.5	0.15	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56
T19964-3	Nickel	0.26	B	mg/kg	4.4	0.14	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19878-9	Nickel	0.23	B	mg/kg	4.3	0.14	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58
T19861-11	Nickel	0.22	B	mg/kg	4.2	0.14	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50
T19878-11	Nickel	0.22	B	mg/kg	4.7	0.15	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06
T19861-13	Nickel	0.21	B	mg/kg	4.2	0.14	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19860-14	Nickel	0.18	B	mg/kg	5.5	0.18	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55

Regulatory Limits

Human (mg/kg)

EPA	1500	residential
	20	protection of gw

Ecological (mg/kg)

soil	38

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	n-Propylbenzene	0.0112		mg/l	0.002	0.00053	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-6	n-Propylbenzene	0.0048		mg/l	0.002	0.00053	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	n-Propylbenzene	0.00077	J	mg/l	0.002	0.00053	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	0.53	

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	n-Propylbenzene	0.0014	J	mg/kg	0.0056	0.0012	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S

Regulatory Limits

Human (mg/kg)

EPA	3400.00000	residential
	0.99000	protection of gw

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-19	n-Propylbenzene	0.0085		mg/kg	0.006	0.0013	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05

Regulatory Limits

Human (mg/kg)

EPA	3400.00000	residential
	0.99000	protection of gw

Ecological (mg/kg)

	soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-17	p-Isopropyltoluene	0.0011	J	mg/l	0.002	0.00057	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13

Regulatory Limits

		EPA RSL Tap Water SSL	MCL
Human (mg/l)			
EPA	NA		
TCEQ	2.4		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19891-14	p-Isopropyltoluene	0.0054	J	mg/kg	0.0063	0.0015	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19878-5	p-Isopropyltoluene	0.0015	J	mg/kg	0.0063	0.0015	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S

Regulatory Limits

Human (mg/kg)

TCEQ 8200.00000 combined

Ecological (mg/kg)

soil NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	p-Isopropyltoluene	0.108		mg/kg	0.0058	0.0014	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19861-19	p-Isopropyltoluene	0.0032	J	mg/kg	0.006	0.0014	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05

Regulatory Limits

Human (mg/kg)

TCEQ	8200.00000	combined
	230.00000	GW

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19860-7	Phenanthrene	2.06	J	mg/kg	2.2	0.82	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S
T19860-9	Phenanthrene	1.1935		mg/kg	0.44	0.16	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19861-10	Phenanthrene	0.679		mg/kg	0.19	0.072	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19891-8	Phenanthrene	0.147	J	mg/kg	0.21	0.079	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S

Regulatory Limits

Human (mg/kg)
TCEQ 1700.00000 combined

Ecological (mg/kg)
soil 29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	Phenanthrene	0.734		mg/kg	0.2	0.073	1	FR-028	J-10 S	AOC-1N	########	14:35
T19891-2	Phenanthrene	0.15	J	mg/kg	0.19	0.071	1	FR-055	J-23 S	AOC-1S	########	8:36

Regulatory Limits

Human (mg/kg)

TCEQ 1700.00000 combined
420.00000 GW

Ecological (mg/kg)

soil 29

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19861-10	Pyrene	1.58		mg/kg	0.19	0.095	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S
T19860-9	Pyrene	0.3825	J	mg/kg	0.44	0.21	2	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S
T19891-8	Pyrene	0.336		mg/kg	0.21	0.1	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S
T19860-4	Pyrene	0.237		mg/kg	0.19	0.093	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S

Regulatory Limits

Human (mg/kg)

EPA	1700.00000	residential

Ecological (mg/kg)

soil	1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-8	Pyrene	0.683	J	mg/kg	0.88	0.43	4	FR-008	J-04 S	AOC-1N	########	15:30

Regulatory Limits

Human (mg/kg)

EPA	1700.00000	residential
	9.50000	protection of gw

Ecological (mg/kg)

soil	1.1

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19987-13	Selenium	2.7	B	ug/l	5	2.3	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19878-14	Selenium	2.35	J	ug/l	5	2.3	1	FR-048A	TW01-17	AOC-1S	########	14:51

Regulatory Limits

Human (ug/l)	MLC
EPA	50
TCEQ	

Ecological (ug/l)	
Marine	136

Above EPA Region 6 MSSL

Above TCEQ Tier 1 Residential PCL

Above Both EPA and TCEQ Limit

Above Marine

Above Marine and EPA Region 6 MSSL

Above Marine and TCEQ Tier 1 Residential PCL

Above Marine, EPA Region 6 MSSL and TCEQ Tier 1 Residential PCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T19860-1	Selenium	0.37	B	mg/kg	0.98	0.24	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	M
T19860-9	Selenium	0.305	B	mg/kg	1.1	0.27	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	M
T19861-1	Selenium	0.26	B	mg/kg	0.9	0.22	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	

Regulatory Limits

Human (mg/kg)

EPA 390.00000 residential
0.40000 protection of gw

Ecological (mg/kg)

soil 0.52

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19891-9	Selenium	0.36	B	mg/kg	1.1	0.27	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	M
T19860-5	Selenium	0.22	B	mg/kg	0.91	0.22	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	

Regulatory Limits

Human (mg/kg)

EPA 390.00000 residential
0.40000 protection of gw

Ecological (mg/kg)

soil 0.52

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	tert-Butylbenzene	0.0168		mg/l	0.002	0.00055	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-6	tert-Butylbenzene	0.0023		mg/l	0.002	0.00055	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA	na	
TCEQ	na	

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	tert-Butylbenzene	0.152		mg/kg	0.0058	0.0012	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35

Regulatory Limits

Human (mg/kg)

TCEQ	3300.00000	comibined
	100.00000	gw

Ecological (mg/kg)

	soil	na

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19860-3	Thallium	6.7	B	ug/l	10	2.7	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19861-9	Thallium	6.2	B	ug/l	10	2.7	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19861-3	Thallium	5.1	B	ug/l	10	2.7	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T19861-17	Thallium	5.1	B	ug/l	10	2.7	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19860-6	Thallium	4.8	B	ug/l	10	2.7	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19860-15	Thallium	4.8	B	ug/l	10	2.7	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19927-10	Thallium	4.8	B	ug/l	10	2.7	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19944-3	Thallium	4.2	B	ug/l	10	2.7	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19964-6	Thallium	4.1	B	ug/l	10	2.7	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30
T19964-9	Thallium	3.7	B	ug/l	10	2.7	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19891-13	Thallium	3.5	B	ug/l	10	2.7	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19927-6	Thallium	3.5	B	ug/l	10	2.7	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19878-14	Thallium	2.9	B	ug/l	10	2.7	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T20073-5	Thallium	2.9	B	ug/l	10	2.7	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA		2

Ecological (ug/l)

Above EPA MCL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-18	Toluene	0.00083	J	mg/l	0.002	0.00048	1	FR-052	TW01-18	AOC-1S	########	16:05
T19860-3	Toluene	0.00058	J	mg/l	0.002	0.00054	1	FR-003	TW01-11	AOC-1N	########	11:35

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA		1
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	Toluene	0.0044	J	mg/kg	0.0056	0.0014	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19861-15	Toluene	0.0039	J	mg/kg	0.0058	0.0015	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19964-1	Toluene	0.0015	J	mg/kg	0.006	0.0015	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S
T19891-1	Toluene	0.0014	J	mg/kg	0.0057	0.0014	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S

Regulatory Limits

Human (mg/kg)
EPA 5000.00000 residential

Ecological (mg/kg)
soil np

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-13	Toluene	0.0035	J	mg/kg	0.0058	0.0015	1	FR-028	J-10 S	AOC-1N	########	14:35
T19861-19	Toluene	0.002	J	mg/kg	0.006	0.0015	1	FR-034	J-05 S	AOC-1N	########	16:05

Regulatory Limits

Human (mg/kg)

EPA 5000.00000 residential
0.69000 *MCL based protective of gw

Ecological (mg/kg)

soil np

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19927-6	Vanadium	16.65	B	ug/l	50	0.94	1	FR-078A	TW01-27	AOC-1S	########	9:25
T19878-18	Vanadium	13.6	B	ug/l	50	0.94	1	FR-052	TW01-18	AOC-1S	########	16:05
T19944-7	Vanadium	3.3	B	ug/l	50	0.94	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19861-17	Vanadium	2.5	B	ug/l	50	0.94	1	FR-032	TW01-07	AOC-1N	########	15:13
T19878-14	Vanadium	2.15	B	ug/l	50	0.94	1	FR-048A	TW01-17	AOC-1S	########	14:51
T19860-15	Vanadium	2.1	B	ug/l	50	0.94	1	FR-015	TW01-01	AOC-1N	########	16:50
T19860-3	Vanadium	1.9	B	ug/l	50	0.94	1	FR-003	TW01-11	AOC-1N	########	11:35
T19944-3	Vanadium	1.8	B	ug/l	50	0.94	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19861-9	Vanadium	1.5	B	ug/l	50	0.94	1	FR-024	TW01-08	AOC-1N	########	11:35
T19987-10	Vanadium	1.3	B	ug/l	50	0.94	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19861-3	Vanadium	1.2	B	ug/l	50	0.94	1	FR-018	TW01-02	AOC-1N	########	9:45
T19860-6	Vanadium	1.1	B	ug/l	50	0.94	1	FR-006	TW01-12	AOC-1N	########	14:23
T19891-10	Vanadium	1.1	B	ug/l	50	0.94	1	FR-063	TW01-14	AOC-1S	########	11:12
T19987-4	Vanadium	1.1	B	ug/l	50	0.94	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA	78	
TCEQ		

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T20073-8	Vanadium	10.5		mg/kg	9.2	0.22	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	
T20073-6	Vanadium	3.6	B	mg/kg	7.3	0.18	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	
T19944-1	Vanadium	29.3		mg/kg	6.3	0.15	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	P
T19860-1	Vanadium	22.3		mg/kg	4.9	0.12	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	P
T19964-1	Vanadium	17.25		mg/kg	5.6	0.13	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	P
T19944-10	Vanadium	16.6		mg/kg	6.4	0.15	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	P
T19944-12	Vanadium	16.2		mg/kg	5.3	0.13	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	P
T19987-8	Vanadium	16		mg/kg	5.5	0.13	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	P
T19987-1	Vanadium	15.8		mg/kg	6.1	0.15	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	P
T19987-11	Vanadium	13.2		mg/kg	5.8	0.14	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	P
T19944-8	Vanadium	12.8		mg/kg	4.7	0.11	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	P
T19878-12	Vanadium	10.6		mg/kg	6.1	0.15	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	P
T19944-4	Vanadium	10.5		mg/kg	5.2	0.12	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	P
T19891-1	Vanadium	9.6		mg/kg	5.5	0.13	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	P
T19927-8	Vanadium	9.1		mg/kg	4	0.097	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	P
T19987-5	Vanadium	7.8		mg/kg	6.1	0.15	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	P
T19861-10	Vanadium	7.7		mg/kg	4.6	0.11	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	P
T19964-4	Vanadium	7		mg/kg	5.4	0.13	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	P
T19891-3	Vanadium	6.85		mg/kg	5.7	0.14	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	P
T19891-14	Vanadium	6.6		mg/kg	5.7	0.14	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	P
T19861-7	Vanadium	6.1		mg/kg	5.7	0.14	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	P
T19878-10	Vanadium	5.8		mg/kg	5.7	0.14	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	P
T19878-5	Vanadium	5.25		mg/kg	5.1	0.12	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	P
T19860-4	Vanadium	5.1		mg/kg	4.3	0.1	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	P
T19861-15	Vanadium	5.1	B	mg/kg	5.6	0.13	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	P
T19878-3	Vanadium	4.9	B	mg/kg	5.1	0.12	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	P
T19964-7	Vanadium	4.8	B	mg/kg	5.4	0.13	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	P
T19860-13	Vanadium	4.7	B	mg/kg	6.9	0.17	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	P
T19891-6	Vanadium	4.5	B	mg/kg	5.9	0.14	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	P
T19878-16	Vanadium	4.1	B	mg/kg	5.3	0.13	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	P
T19891-8	Vanadium	4.1	B	mg/kg	6	0.14	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	P
T19927-4	Vanadium	3.5	B	mg/kg	5.5	0.13	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	P
T19891-16	Vanadium	2.925		mg/kg	0.033	0.00078	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	P
T19861-12	Vanadium	2.4	B	mg/kg	5.5	0.13	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	P
T19891-11	Vanadium	2.4	B	mg/kg	5.2	0.12	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	P
T19878-8	Vanadium	2.3	B	mg/kg	4.8	0.12	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	P
T19878-1	Vanadium	2.1	B	mg/kg	5	0.12	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	P
T19861-18	Vanadium	1.7	B	mg/kg	6.5	0.16	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	
T19927-1	Vanadium	1.6	B	mg/kg	4.7	0.11	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	
T19860-7	Vanadium	1.3	B	mg/kg	5.3	0.13	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	
T19860-9	Vanadium	1.15	B	mg/kg	5.5	0.13	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	
T19861-1	Vanadium	1.1	B	mg/kg	4.5	0.11	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	
T19861-4	Vanadium	0.985	B	mg/kg	6.2	0.15	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	

Regulatory Limits

Human (mg/kg)
EPA 390 residential

Ecological (mg/kg)
soil 7.8

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	
T19927-3	Vanadium	13.7		mg/kg	5.2	0.12	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37	P
T19891-15	Vanadium	13		mg/kg	5.4	0.13	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39	P
T19987-12	Vanadium	12.1		mg/kg	5.5	0.13	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25	P
T19944-6	Vanadium	11		mg/kg	4.6	0.11	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30	P
T19861-16	Vanadium	7.1		mg/kg	5	0.12	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10	P
T19891-12	Vanadium	6.9		mg/kg	5.9	0.14	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09	P
T19891-2	Vanadium	6.7		mg/kg	5.4	0.13	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36	P
T19927-5	Vanadium	6		mg/kg	3.4	0.083	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06	P
T19987-9	Vanadium	5.8		mg/kg	5.8	0.14	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55	P
T19861-8	Vanadium	5.7		mg/kg	4	0.097	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35	P
T19861-6	Vanadium	5.3		mg/kg	2.9	0.069	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55	P
T19861-2	Vanadium	5		mg/kg	3.4	0.082	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30	P
T19891-7	Vanadium	4.5	B	mg/kg	5.8	0.14	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20	P
T19878-2	Vanadium	4.4	B	mg/kg	5.1	0.12	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48	P
T19964-5	Vanadium	4.3	B	mg/kg	5.4	0.13	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15	P
T19944-9	Vanadium	3.8	B	mg/kg	4	0.096	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30	P
T19944-13	Vanadium	3.7	B	mg/kg	4.1	0.097	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25	P
T19878-17	Vanadium	3.6	B	mg/kg	6	0.14	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05	P
T19878-7	Vanadium	3.2	B	mg/kg	6.2	0.15	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25	P
T19927-9	Vanadium	3.1	B	mg/kg	3.5	0.084	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09	P
T19891-18	Vanadium	2.9	B	mg/kg	5.6	0.13	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20	P
T19944-2	Vanadium	2.4	B	mg/kg	5.4	0.13	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30	P
T19944-11	Vanadium	2.4	B	mg/kg	5.4	0.13	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25	P
T19987-6	Vanadium	2.4	B	mg/kg	5.9	0.14	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50	P
T19891-5	Vanadium	2.3	B	mg/kg	5.6	0.14	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34	P
T19878-13	Vanadium	2.1	B	mg/kg	6.4	0.15	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47	P
T19964-8	Vanadium	2	B	mg/kg	5.9	0.14	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55	P
T19987-2	Vanadium	1.95	B	mg/kg	5.5	0.13	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10	
T19878-11	Vanadium	1.8	B	mg/kg	6	0.14	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06	
T19860-11	Vanadium	1.7	B	mg/kg	5	0.12	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10	
T19964-3	Vanadium	1.7	B	mg/kg	5.5	0.13	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40	
T19891-9	Vanadium	1.3	B	mg/kg	5.7	0.14	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12	
T19878-9	Vanadium	1.2	B	mg/kg	5.4	0.13	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58	
T19878-4	Vanadium	1.1	B	mg/kg	4.9	0.12	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39	
T19860-8	Vanadium	1	B	mg/kg	5.8	0.14	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30	
T19860-14	Vanadium	0.97	B	mg/kg	6.9	0.17	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55	
T19861-11	Vanadium	0.95	B	mg/kg	5.3	0.13	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50	
T19860-2	Vanadium	0.89	B	mg/kg	5.6	0.13	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56	
T19861-13	Vanadium	0.83	B	mg/kg	5.2	0.13	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35	
T19861-19	Vanadium	0.77	B	mg/kg	4	0.096	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05	
T19860-5	Vanadium	0.65	B	mg/kg	4.6	0.11	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10	

Regulatory Limits

Human (mg/kg)

EPA	390	residential
	78	protection of gw

Ecological (mg/kg)

soil	7.8

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19878-18	Xylene (total)	0.0039	J	mg/l	0.006		1	FR-052	TW01-18	AOC-1S	########	16:05
T19861-3	Xylene (total)	0.0019	J	mg/l	0.006	0.0011	1	FR-018	TW01-02	AOC-1N	########	9:45

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (mg/l)		
EPA		10
TCEQ		

Ecological (mg/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD
T19878-10	Xylene (total)	0.0077	J	mg/kg	0.017	0.0042	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S
T19878-12	Xylene (total)	0.0062	J	mg/kg	0.019	0.0049	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S
T19891-6	Xylene (total)	0.0057	J	mg/kg	0.018	0.0047	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S
T19891-3	Xylene (total)	0.0056	J	mg/kg	0.017	0.0044	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S
T19861-15	Xylene (total)	0.005	J	mg/kg	0.017	0.0044	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S
T19891-14	Xylene (total)	0.0048	J	mg/kg	0.019	0.0047	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S
T19878-16	Xylene (total)	0.0047	J	mg/kg	0.019	0.0047	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S

Regulatory Limits

Human (mg/kg)

EPA	630.00000	residential
	0.19000	Risk-based protection of GW

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19861-19	Xylene (total)	0.0217		mg/kg	0.018	0.0045	1	FR-034	J-05 S	AOC-1N	########	16:05
T19861-13	Xylene (total)	0.0119	J	mg/kg	0.017	0.0044	1	FR-028	J-10 S	AOC-1N	########	14:35
T19860-8	Xylene (total)	0.0064	J	mg/kg	0.019	0.0048	1	FR-008	J-04 S	AOC-1N	########	15:30
T19891-15	Xylene (total)	0.0049	J	mg/kg	0.018	0.0045	1	FR-068	J-28 S	AOC-1S	########	15:39
T19944-6	Xylene (total)	0.0045	J	mg/kg	0.018	0.0045	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30

Regulatory Limits

Human (mg/kg)

EPA	630.00000	residential
	0.19000	Risk-based protection of GW

Ecological (mg/kg)

soil	NP

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-3	Zinc	196		ug/l	20	7.5	1	FR-087	TW01-34	AOC-1S	3-Dec-07	10:00
T19987-4	Zinc	56.4		ug/l	20	7.5	1	FR-112	TW01-40	AOC-1S	5-Dec-07	9:30
T20073-7	Zinc	56		ug/l	20	7.5	1	FR-147	J-43 SD	AOC-1S	11-Dec-07	10:35
T19987-7	Zinc	55.2		ug/l	20	7.5	1	FR-115	TW01-39	AOC-1S	5-Dec-07	11:15
T19987-10	Zinc	49.5		ug/l	20	7.5	1	FR-118	TW01-38	AOC-1S	5-Dec-07	14:10
T19987-13	Zinc	48.4		ug/l	20	7.5	1	FR-121	TW01-37	AOC-1S	5-Dec-07	15:40
T19891-10	Zinc	21.6		ug/l	20	7.5	1	FR-063	TW01-14	AOC-1S	29-Nov-07	11:12
T19861-3	Zinc	21.5		ug/l	20	7.5	1	FR-018	TW01-02	AOC-1N	27-Nov-07	9:45
T20073-5	Zinc	20.2		ug/l	20	7.5	1	FR-145	J-42 SD	AOC-1S	11-Dec-07	10:00
T19927-6	Zinc	16.95	B	ug/l	20	7.5	1	FR-078A	TW01-27	AOC-1S	30-Nov-07	9:25
T19878-14	Zinc	16.65	B	ug/l	20	7.5	1	FR-048A	TW01-17	AOC-1S	28-Nov-07	14:51
T19861-17	Zinc	16.5	B	ug/l	20	7.5	1	FR-032	TW01-07	AOC-1N	27-Nov-07	15:13
T19878-18	Zinc	15.6	B	ug/l	20	7.5	1	FR-052	TW01-18	AOC-1S	28-Nov-07	16:05
T19891-13	Zinc	15.5	B	ug/l	20	7.5	1	FR-066	TW01-13	AOC-1S	29-Nov-07	14:35
T19944-7	Zinc	15.5	B	ug/l	20	7.5	1	FR-091	TW01-36	AOC-1S	3-Dec-07	11:50
T19861-9	Zinc	15.1	B	ug/l	20	7.5	1	FR-024	TW01-08	AOC-1N	27-Nov-07	11:35
T19860-3	Zinc	14.3	B	ug/l	20	7.5	1	FR-003	TW01-11	AOC-1N	26-Nov-07	11:35
T19860-15	Zinc	14	B	ug/l	20	7.5	1	FR-015	TW01-01	AOC-1N	26-Nov-07	16:50
T19860-6	Zinc	13.3	B	ug/l	20	7.5	1	FR-006	TW01-12	AOC-1N	26-Nov-07	14:23
T19964-9	Zinc	12.8	B	ug/l	20	7.5	1	FR-107	TW01-33	AOC-1S	4-Dec-07	15:12
T19927-10	Zinc	12.7	B	ug/l	20	7.5	1	FR-082	TW01-35	AOC-1S	30-Nov-07	14:15
T19964-6	Zinc	12.3	B	ug/l	20	7.5	1	FR-104	TW01-41	AOC-1S	4-Dec-07	11:30

Regulatory Limits

	EPA RSL Tap Water SSL	MCL
Human (ug/l)		
EPA	4700	
TCEQ		

Ecological (ug/l)

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time	Soil = S; Sed = SD	
T20073-8	Zinc	144		mg/kg	3.7	0.74	1	FR-148	J-43 SD	AOC-1S	11-Dec-07	10:40	SD	
T20073-6	Zinc	28.1		mg/kg	2.9	0.58	1	FR-146	J-42 SD	AOC-1S	11-Dec-07	10:05	SD	
T19861-15	Zinc	232		mg/kg	2.2	0.45	1	FR-030	J-07 S	AOC-1N	27-Nov-07	15:05	S	E, P, M
T19944-1	Zinc	156		mg/kg	2.5	0.51	1	FR-085	J-34 S	AOC-1S	3-Dec-07	9:20	S	E, M
T19878-12	Zinc	143		mg/kg	2.4	0.49	1	FR-046	J-17 S	AOC-1S	28-Nov-07	14:43	S	E, M
T19891-6	Zinc	129		mg/kg	2.4	0.47	1	FR-059	J-16 S	AOC-1S	29-Nov-07	10:20	S	E, M
T19891-8	Zinc	92.6		mg/kg	2.4	0.48	1	FR-061	J-14 S	AOC-1S	29-Nov-07	11:06	S	M
T19964-4	Zinc	85.3		mg/kg	2.1	0.43	1	FR-102	J-41 S	AOC-1S	4-Dec-07	11:05	S	M
T19861-7	Zinc	80.3		mg/kg	2.3	0.46	1	FR-022	J-08 S	AOC-1N	27-Nov-07	11:29	S	M
T19944-10	Zinc	79		mg/kg	2.6	0.51	1	FR-094	J-30 S	AOC-1S	3-Dec-07	15:20	S	M
T19927-1	Zinc	59		mg/kg	1.9	0.38	1	FR-073A	J-25 S	AOC-1S	30-Nov-07	8:30	S	M
T19944-12	Zinc	59		mg/kg	2.1	0.42	1	FR-096	J-32 S	AOC-1S	3-Dec-07	16:20	S	M
T19987-11	Zinc	48.5		mg/kg	2.3	0.46	1	FR-119	J-37 S	AOC-1S	5-Dec-07	15:20	S	M
T19891-14	Zinc	48		mg/kg	2.3	0.46	1	FR-067	J-28 S	AOC-1S	29-Nov-07	15:39	S	M
T19891-1	Zinc	44.1		mg/kg	2.2	0.44	1	FR-054	J-23 S	AOC-1S	29-Nov-07	8:30	S	M
T19860-13	Zinc	40.7		mg/kg	2.8	0.55	1	FR-013	J-01 S	AOC-1N	26-Nov-07	16:30	S	M
T19891-3	Zinc	40.65		mg/kg	2.3	0.46	1	FR-056A	J-22 S	AOC-1S	29-Nov-07	9:28	S	M
T19944-4	Zinc	40.2		mg/kg	2.1	0.41	1	FR-088A	J-36 S	AOC-1S	3-Dec-07	11:20	S	M
T19878-3	Zinc	39.5		mg/kg	2	0.41	1	FR-037	J-21 S	AOC-1S	28-Nov-07	10:33	S	M
T19878-16	Zinc	35		mg/kg	2.1	0.43	1	FR-050	J-18 S	AOC-1S	28-Nov-07	16:00	S	M
T19987-1	Zinc	31.8		mg/kg	2.4	0.49	1	FR-109	J-40 S	AOC-1S	5-Dec-07	9:05	S	M
T19878-1	Zinc	31.1		mg/kg	2	0.4	1	FR-035	J-15 S	AOC-1S	28-Nov-07	9:45	S	M
T19878-10	Zinc	30.2		mg/kg	2.3	0.46	1	FR-044	J-20 S	AOC-1S	28-Nov-07	14:00	S	M
T19987-8	Zinc	29.8		mg/kg	2.2	0.44	1	FR-116	J-38 S	AOC-1S	5-Dec-07	13:50	S	
T19927-4	Zinc	29.4		mg/kg	2.2	0.44	1	FR-076	J-27 S	AOC-1S	30-Nov-07	9:02	S	
T19878-5	Zinc	26.15		mg/kg	2.1	0.41	1	FR-039A	J-19 S	AOC-1S	28-Nov-07	11:17	S	
T19964-1	Zinc	26.05		mg/kg	2.2	0.45	1	FR-099A	J-31 S	AOC-1S	4-Dec-07	9:30	S	
T19987-5	Zinc	25.9		mg/kg	2.5	0.49	1	FR-113	J-39 S	AOC-1S	5-Dec-07	10:45	S	
T19860-1	Zinc	25.2		mg/kg	2	0.39	1	FR-001	J-11 S	AOC-1N	26-Nov-07	10:30	S	
T19861-1	Zinc	23.6		mg/kg	1.8	0.36	1	FR-016	J-02 S	AOC-1N	27-Nov-07	9:25	S	
T19861-12	Zinc	22.8		mg/kg	2.2	0.44	1	FR-027	J-10 S	AOC-1N	27-Nov-07	14:28	S	
T19878-8	Zinc	22.2		mg/kg	1.9	0.39	1	FR-042	J-24 S	AOC-1S	28-Nov-07	11:53	S	
T19927-8	Zinc	20.1		mg/kg	1.6	0.32	1	FR-080	J-35 S	AOC-1S	30-Nov-07	14:03	S	
T19944-8	Zinc	19.7		mg/kg	1.9	0.37	1	FR-092	J-29 S	AOC-1S	3-Dec-07	14:25	S	
T19891-11	Zinc	17.2		mg/kg	2.1	0.41	1	FR-064	J-13 S	AOC-1S	29-Nov-07	14:05	S	
T19861-10	Zinc	16.6		mg/kg	1.8	0.37	1	FR-025	J-09 S	AOC-1N	27-Nov-07	13:40	S	
T19891-16	Zinc	12.165		mg/kg	0.013	0.0026	1	FR-069A	J-26 S	AOC-1S	29-Nov-07	16:14	S	
T19860-9	Zinc	11.8		mg/kg	2.2	0.44	1	FR-009A	J-03 S	AOC-1N	26-Nov-07	15:50	S	
T19964-7	Zinc	11.1		mg/kg	2.1	0.43	1	FR-105	J-33 S	AOC-1S	4-Dec-07	14:50	S	
T19861-18	Zinc	10.4		mg/kg	2.6	0.52	1	FR-033	J-05 S	AOC-1N	27-Nov-07	16:00	S	
T19860-7	Zinc	8.7		mg/kg	2.1	0.43	1	FR-007	J-04 S	AOC-1N	26-Nov-07	15:10	S	
T19860-4	Zinc	6.1		mg/kg	1.7	0.34	1	FR-004	J-12 S	AOC-1N	26-Nov-07	13:35	S	
T19861-4	Zinc	3.1		mg/kg	2.5	0.5	1	FR-019A	J-06 S	AOC-1N	27-Nov-07	10:40	S	

Regulatory Limits

Human (mg/kg)
EPA 23000 residential

Ecological (mg/kg)
soil 46

Above EPA Eco-SSL

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

Sample	Parameter	Result	Qual	Units	MQL	SDL	DF	Client ID	Boring	AOC	Collected	Time
T19944-6	Zinc	24.8		mg/kg	1.8	0.37	1	FR-090	J-36 S	AOC-1S	3-Dec-07	11:30
T19891-15	Zinc	23.6		mg/kg	2.1	0.43	1	FR-068	J-28 S	AOC-1S	29-Nov-07	15:39
T19927-3	Zinc	19.5		mg/kg	2.1	0.41	1	FR-075	J-25 S	AOC-1S	30-Nov-07	8:37
T19878-7	Zinc	18.9		mg/kg	2.5	0.49	1	FR-041	J-19 S	AOC-1S	28-Nov-07	11:25
T19987-12	Zinc	16.6		mg/kg	2.2	0.44	1	FR-120	J-37 S	AOC-1S	5-Dec-07	15:25
T19861-8	Zinc	15		mg/kg	1.6	0.32	1	FR-023	J-08 S	AOC-1N	27-Nov-07	11:35
T19891-2	Zinc	11		mg/kg	2.1	0.43	1	FR-055	J-23 S	AOC-1S	29-Nov-07	8:36
T19891-12	Zinc	11		mg/kg	2.4	0.47	1	FR-065	J-13 S	AOC-1S	29-Nov-07	14:09
T19861-16	Zinc	10.3		mg/kg	2	0.4	1	FR-031	J-07 S	AOC-1N	27-Nov-07	15:10
T19891-18	Zinc	10.3		mg/kg	2.2	0.44	1	FR-071	J-26 S	AOC-1S	29-Nov-07	16:20
T19964-3	Zinc	8.3		mg/kg	2.2	0.44	1	FR-101	J-31 S	AOC-1S	4-Dec-07	9:40
T19878-2	Zinc	8.1		mg/kg	2	0.41	1	FR-036	J-15 S	AOC-1S	28-Nov-07	9:48
T19891-5	Zinc	7.4		mg/kg	2.3	0.45	1	FR-058	J-22 S	AOC-1S	29-Nov-07	9:34
T19861-2	Zinc	7.3		mg/kg	1.4	0.27	1	FR-017	J-02 S	AOC-1N	27-Nov-07	9:30
T19891-7	Zinc	7.3		mg/kg	2.3	0.46	1	FR-060	J-16 S	AOC-1S	29-Nov-07	10:20
T19987-9	Zinc	7.2		mg/kg	2.3	0.47	1	FR-117	J-38 S	AOC-1S	5-Dec-07	13:55
T19927-5	Zinc	7.1		mg/kg	1.4	0.28	1	FR-077	J-27 S	AOC-1S	30-Nov-07	9:06
T19861-6	Zinc	7		mg/kg	1.1	0.23	1	FR-021	J-06 S	AOC-1N	27-Nov-07	10:55
T19944-11	Zinc	7		mg/kg	2.2	0.43	1	FR-095	J-30 S	AOC-1S	3-Dec-07	15:25
T19964-5	Zinc	6.7		mg/kg	2.2	0.43	1	FR-103	J-41 S	AOC-1S	4-Dec-07	11:15
T19927-9	Zinc	6.5		mg/kg	1.4	0.28	1	FR-081	J-35 S	AOC-1S	30-Nov-07	14:09
T19944-13	Zinc	6.4		mg/kg	1.6	0.32	1	FR-097	J-32 S	AOC-1S	3-Dec-07	16:25
T19878-9	Zinc	5.7		mg/kg	2.2	0.43	1	FR-043	J-24 S	AOC-1S	28-Nov-07	11:58
T19944-9	Zinc	5.4		mg/kg	1.6	0.32	1	FR-093	J-29 S	AOC-1S	3-Dec-07	14:30
T19878-4	Zinc	4.4		mg/kg	2	0.39	1	FR-038	J-21 S	AOC-1S	28-Nov-07	10:39
T19878-17	Zinc	4.4		mg/kg	2.4	0.48	1	FR-051	J-18 S	AOC-1S	28-Nov-07	16:05
T19861-19	Zinc	3.6		mg/kg	1.6	0.32	1	FR-034	J-05 S	AOC-1N	27-Nov-07	16:05
T19878-11	Zinc	3.2		mg/kg	2.4	0.48	1	FR-045	J-20 S	AOC-1S	28-Nov-07	14:06
T19861-13	Zinc	3.1		mg/kg	2.1	0.42	1	FR-028	J-10 S	AOC-1N	27-Nov-07	14:35
T19987-2	Zinc	3.1		mg/kg	2.2	0.44	1	FR-110A	J-40 S	AOC-1S	5-Dec-07	9:10
T19860-8	Zinc	2.9		mg/kg	2.3	0.46	1	FR-008	J-04 S	AOC-1N	26-Nov-07	15:30
T19944-2	Zinc	2.8		mg/kg	2.2	0.43	1	FR-086	J-34 S	AOC-1S	3-Dec-07	9:30
T19964-8	Zinc	2.8		mg/kg	2.4	0.48	1	FR-106	J-33 S	AOC-1S	4-Dec-07	14:55
T19878-13	Zinc	2.3	B	mg/kg	2.6	0.51	1	FR-047	J-17 S	AOC-1S	28-Nov-07	14:47
T19987-6	Zinc	2.3		mg/kg	2.3	0.47	1	FR-114	J-39 S	AOC-1S	5-Dec-07	10:50
T19860-11	Zinc	2.2		mg/kg	2	0.4	1	FR-011	J-03 S	AOC-1N	26-Nov-07	16:10
T19891-9	Zinc	2.1	B	mg/kg	2.3	0.45	1	FR-062	J-14 S	AOC-1S	29-Nov-07	11:12
T19860-14	Zinc	1.6	B	mg/kg	2.8	0.55	1	FR-014	J-01 S	AOC-1N	26-Nov-07	16:55
T19861-11	Zinc	1.6	B	mg/kg	2.1	0.42	1	FR-026	J-09 S	AOC-1N	27-Nov-07	13:50
T19860-2	Zinc	1.5	B	mg/kg	2.2	0.45	1	FR-002	J-11 S	AOC-1N	26-Nov-07	10:56
T19860-5	Zinc	1.5	B	mg/kg	1.8	0.36	1	FR-005	J-12 S	AOC-1N	26-Nov-07	14:10

Regulatory Limits

Human (mg/kg)

EPA	23000	residential
	290	protection of gw

Ecological (mg/kg)

soil	46

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

AOC	Label	Interval 1	Sample 1
AOC-1N	TW01-11	Shallow Aquifer	FR-003
AOC-1N	TW01-12	Shallow Aquifer	FR-006
AOC-1N	TW01-01	Shallow Aquifer	FR-015
AOC-1N	TW01-02	Shallow Aquifer	FR-018
AOC-1N	TW01-08	Shallow Aquifer	FR-024
AOC-1N	TW01-07	Shallow Aquifer	FR-032
AOC-1S	TW01-17	Shallow Aquifer	FR-048 and FR-049 (Dup)
AOC-1S	TW01-18	Shallow Aquifer	FR-052
AOC-1S	TW01-14	Shallow Aquifer	FR-063
AOC-1S	TW01-13	Shallow Aquifer	FR-066
AOC-1S	TW01-27	Shallow Aquifer	FR-078 and FR-079 (Dup)
AOC-1S	TW01-35	Shallow Aquifer	FR-082
AOC-1S	TW01-34	Shallow Aquifer	FR-087
AOC-1S	TW01-36	Shallow Aquifer	FR-091
AOC-1S	TW01-41	Shallow Aquifer	FR-104
AOC-1S	TW01-33	Shallow Aquifer	FR-107
AOC-1S	TW01-40	Shallow Aquifer	FR-112
AOC-1S	TW01-39	Shallow Aquifer	FR-115
AOC-1S	TW01-38	Shallow Aquifer	FR-118
AOC-1S	TW01-37	Shallow Aquifer	FR-121
AOC-1S	J-42 SD	Surface Water	FR-145
AOC-1S	J-43 SD	Surface Water	FR-147

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

AOC	Borehole	Interval 2	Sample 2
AOC-1N	J-11 S	0 to 0.5 ft	FR-001
AOC-1N	J-12 S	0 to 0.5 ft	FR-004
AOC-1N	J-04 S	0 to 0.5 ft	FR-007
AOC-1N	J-03 S	0 to 0.5 ft	FR-009 FR-010 (Dup)
AOC-1N	J-01 S	0 to 0.5 ft	FR-013
AOC-1N	J-02 S	0 to 0.5 ft	FR-016
AOC-1N	J-06 S	0 to 0.5 ft	FR-019 FR-020 (Dup)
AOC-1N	J-08 S	0 to 0.5 ft	FR-022
AOC-1N	J-09 S	0 to 0.5 ft	FR-025
AOC-1N	J-10 S	0 to 0.5 ft	FR-027
AOC-1N	J-07 S	0 to 0.5 ft	FR-030
AOC-1N	J-05 S	0 to 0.5 ft	FR-033
AOC-1S	J-15 S	0 to 0.5 ft	FR-035
AOC-1S	J-21 S	0 to 0.5 ft	FR-037
AOC-1S	J-19 S	0 to 0.5 ft	FR-039 FR-040 (Dup)
AOC-1S	J-24 S	0 to 0.5 ft	FR-042
AOC-1S	J-20 S	0 to 0.5 ft	FR-044
AOC-1S	J-17 S	0 to 0.5 ft	FR-046
AOC-1S	J-18 S	0 to 0.5 ft	FR-050
AOC-1S	J-23 S	0 to 0.5 ft	FR-054
AOC-1S	J-22 S	0 to 0.5 ft	FR-056 FR-057 (Dup)
AOC-1S	J-16 S	0 to 0.5 ft	FR-059
AOC-1S	J-14 S	0 to 0.5 ft	FR-061
AOC-1S	J-13 S	0 to 0.5 ft	FR-064
AOC-1S	J-28 S	0 to 0.5 ft	FR-067
AOC-1S	J-26 S	0 to 0.5 ft	FR-069 FR-070 (Dup)
AOC-1S	J-25 S	0 to 0.5 ft	FR-073 FR-074 (Dup)
AOC-1S	J-27 S	0 to 0.5 ft	FR-076
AOC-1S	J-35 S	0 to 0.5 ft	FR-080
AOC-1S	J-34 S	0 to 0.5 ft	FR-085
AOC-1S	J-36 S	0 to 0.5 ft	FR-088 FR-089 (Dup)
AOC-1S	J-29 S	0 to 0.5 ft	FR-092
AOC-1S	J-30 S	0 to 0.5 ft	FR-094
AOC-1S	J-32 S	0 to 0.5 ft	FR-096
AOC-1S	J-31 S	0 to 0.5 ft	FR-099 FR-100 (Dup)
AOC-1S	J-41 S	0 to 0.5 ft	FR-102
AOC-1S	J-33 S	0 to 0.5 ft	FR-105
AOC-1S	J-40 S	0 to 0.5 ft	FR-109
AOC-1S	J-39 S	0 to 0.5 ft	FR-113
AOC-1S	J-38 S	0 to 0.5 ft	FR-116
AOC-1S	J-37 S	0 to 0.5 ft	FR-119
AOC-1S	J-42 SD	0.0 to 0.5 ft	FR-146
AOC-1S	J-43 SD	0.0 to 0.5 ft	FR-148

DRAFT
Aqueous Exceedences for AOC-1
Falcon Refining Superfund Site
Ingleside, San Patricio County, Texas

AOC	Borehole	Interval 2	Sample 2
AOC-1N	J-11 S	6.0 to 8.0 ft	FR-002
AOC-1N	J-12 S	4.0 to 6.0 ft	FR-005
AOC-1N	J-04 S	4.0 to 6.0 ft	FR-008
AOC-1N	J-03 S	5.0 to 7.0 ft	FR-011
AOC-1N	J-01 S	5.0 to 7.0 ft	FR-014
AOC-1N	J-02 S	5.0 to 7.0 ft	FR-017
AOC-1N	J-06 S	6.0 to 8.0 ft	FR-021
AOC-1N	J-08 S	5.0 to 7.0 ft	FR-023
AOC-1N	J-09 S	3.0 to 5.0 ft	FR-026
AOC-1N	J-10 S	3.0 to 5.0 ft	FR-028
AOC-1N	J-07 S	5.0 to 7.0 ft	FR-031
AOC-1N	J-05 S	3.0 to 5.0 ft	FR-034
AOC-1S	J-15 S	3.0 to 5.0 ft	FR-036
AOC-1S	J-21 S	1.0 to 3.0 ft	FR-038
AOC-1S	J-19 S	2.0 to 4.0 ft	FR-041
AOC-1S	J-24 S	3.0 to 5.0 ft	FR-043
AOC-1S	J-20 S	4.0 to 6.0 ft	FR-045
AOC-1S	J-17 S	3.0 to 5.0 ft	FR-047
AOC-1S	J-18 S	2.0 to 4.0 ft	FR-051
AOC-1S	J-23 S	4.0 to 6.0 ft	FR-055
AOC-1S	J-22 S	1.0 to 3.0 ft	FR-058
AOC-1S	J-16 S	1.0 to 3.0 ft	FR-060
AOC-1S	J-14 S	1.0 to 3.0 ft	FR-062
AOC-1S	J-13 S	7.0 to 9.0 ft	FR-065
AOC-1S	J-28 S	1.0 to 3.0 ft	FR-068
AOC-1S	J-26 S	1.0 to 3.0 ft	FR-071
AOC-1S	J-25 S	3.0 to 5.0 ft	FR-075
AOC-1S	J-27 S	1.0 to 3.0 ft	FR-077
AOC-1S	J-35 S	3.0 to 5.0 ft	FR-081
AOC-1S	J-34 S	3.0 to 5.0 ft	FR-086
AOC-1S	J-36 S	1.0 to 3.0 ft	FR-090
AOC-1S	J-29 S	5.0 to 7.0 ft	FR-093
AOC-1S	J-30 S	3.0 to 5.0 ft	FR-095
AOC-1S	J-32 S	3.0 to 5.0 ft	FR-097
AOC-1S	J-31 S	3.0 to 5.0 ft	FR-101
AOC-1S	J-41 S	3.0 to 5.0 ft	FR-103
AOC-1S	J-33 S	5.0 to 7.0 ft	FR-106
AOC-1S	J-40 S	3.0 to 5.0 ft	FR-110 FR-111 (Dup)
AOC-1S	J-39 S	1.0 to 3.0 ft	FR-114
AOC-1S	J-38 S	3.0 to 5.0 ft	FR-117
AOC-1S	J-37 S	3.0 to 5.0 ft	FR-120