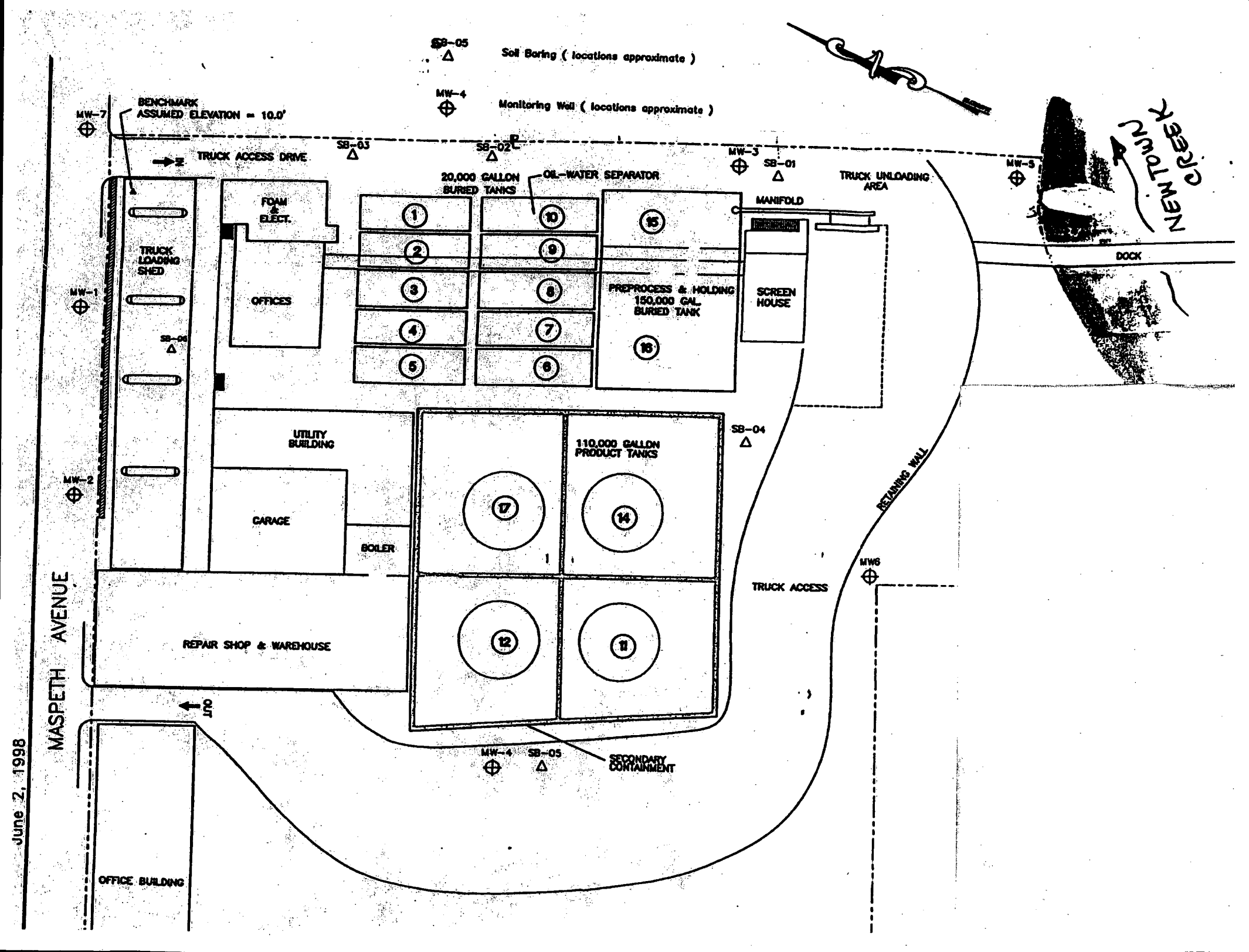
375467

M.W.

BCF Oil Refining
Soil/Groundwater/Product Results

	SB-01 11-12'	SB-02 2-3'	SB-02 6-7'	SB-03 6-7'	SB-04 6-7'	SB-05 6-7'	SB-05 12-13'	SB-06 6-9'	MW-1 OIL	MW-4 WATER	MW-5 WATER
Volatiles (SW-846 8021)											
1,2,4-trimethylbenzene	<5	65	<500	<1300	<25	400	350	<1000		<5	200
1,3,5-trimethylbenzene	<5	43	<500	8400	<25	<250	<250	<1000		<5	110
Benzene	<5	25	<500	<1300	<25	<250	<250	<1000		37	1200
Ethylbenzene	<5	61	<500	<1300	<25	<250	<250	<1000		<5	230
Isopropylbenzene	<5	93	1300	7200	<25	<250	<250	9000		10	80
n-Butylbenzene	<5	33	4400	21000	<25	1200	590	16000		<5	<50
n-Propylbenzene	<5	180	4800	31000	<25	<250	<250	28000		12	240
Napthalene	<5	46	570	18000	26	930	<250	2700		<5	<50
o- Xylene	<5	34	<500	<1300	<25	<250	<250	<1000		<5	<50
p&m- Xylene	<5	190	640	3000	<25	<250	<250	<1000		9	220
p-Isopropyltoluene	<5	<25	<500	2800	<25	<250	<250	1700		<5	<50
sec-Butylbenzene	<5	<25	1800	5700	38	420	<250	6300		<5	<50
Toluene	<5	49	1300	<1300	<25	500	530	2300		180	100
MTBE	BDL20	<20	<100	BDL 2500	<20	BDL250	<50	<200		<5	<50
STARS PAHs (SW-846 8270)											
acenaphthene	<330		2200	5300	<330	<1650	470	1800		<8	<8
anthracene	<330		3400	13000	<330	2400	<330	1700		<8	<8
benzo (a) anthracene	500		5400	18000	1500	5500	<330	1300		<31	<31
benzo (a) pyrene	470		3200	5900	1500	4200	<330	930		<10	<10
benzo (b) fluoranthene	590		3800	11000	1600	4800	<330	1100		<19	<19
benzo (ghi) perylene	<330		1100	220	1100	<1650	<330	<330		<10	<10
benzo (k) fluoranthene	<330		2200	2700	760	<1650	<330	<330		<10	<10
chrysene	460		3900	12000	1600	5700	<330	1500		<10	<10
dibenzo (a,h) anthracene	<330		<330	830	<330	<1650	<330	<330		<10	<10
fluoranthene	470		6900	28000	1500	3100	<330	2100		<8	<8
fluorene	<330		3000	610	<330	2700	630	2200		<8	<8
indeno (1,2,3-cd) pyrene	<330		1400	2300	990	<1650	<330	490		<10	<10
naphthalene	<330		<330	1300	<330	4300	<330	<330		<6	<6
phenanthrene	790		13000	55000	1700	12000	1600	8500		<22	<22
pyrene	450		5800	20000	1200	5600	440	2100		<8	<8
PCBs (SW-846 8082)											
Aroclor 1016	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1221	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1232	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1242	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1248	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1254	<80		570	1600	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1260	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1262	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1268	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1


SB-05
Soil Boring (locations approximate)
MW-4
Monitoring Well (locations approximate)
BENCHMARK
ASSUMED ELEVATION = 10.0'
MW-7
TRUCK ACCESS DRIVE
SB-03
SB-02
MW-3
SB-01
TRUCK UNLOADING AREA
MW-5
NEWTOWN CREEK
20,000 GALLON BURIED TANKS
OIL-WATER SEPARATOR
MANIFOLD
FOAM & ELECT.
TRUCK LOADING SHED
OFFICES
PREPROCESS & HOLDING 150,000 GAL. BURIED TANK
SCREEN HOUSE
DOCK
MW-1
SB-06
UTILITY BUILDING
110,000 GALLON PRODUCT TANKS
SB-04
MW-2
CARAGE
BOILER
RETAINING WALL
MW6
TRUCK ACCESS
REPAIR SHOP & WAREHOUSE
MASPETH AVENUE
OUT
MW-4
SB-05
SECONDARY CONTAINMENT
OFFICE BUILDING
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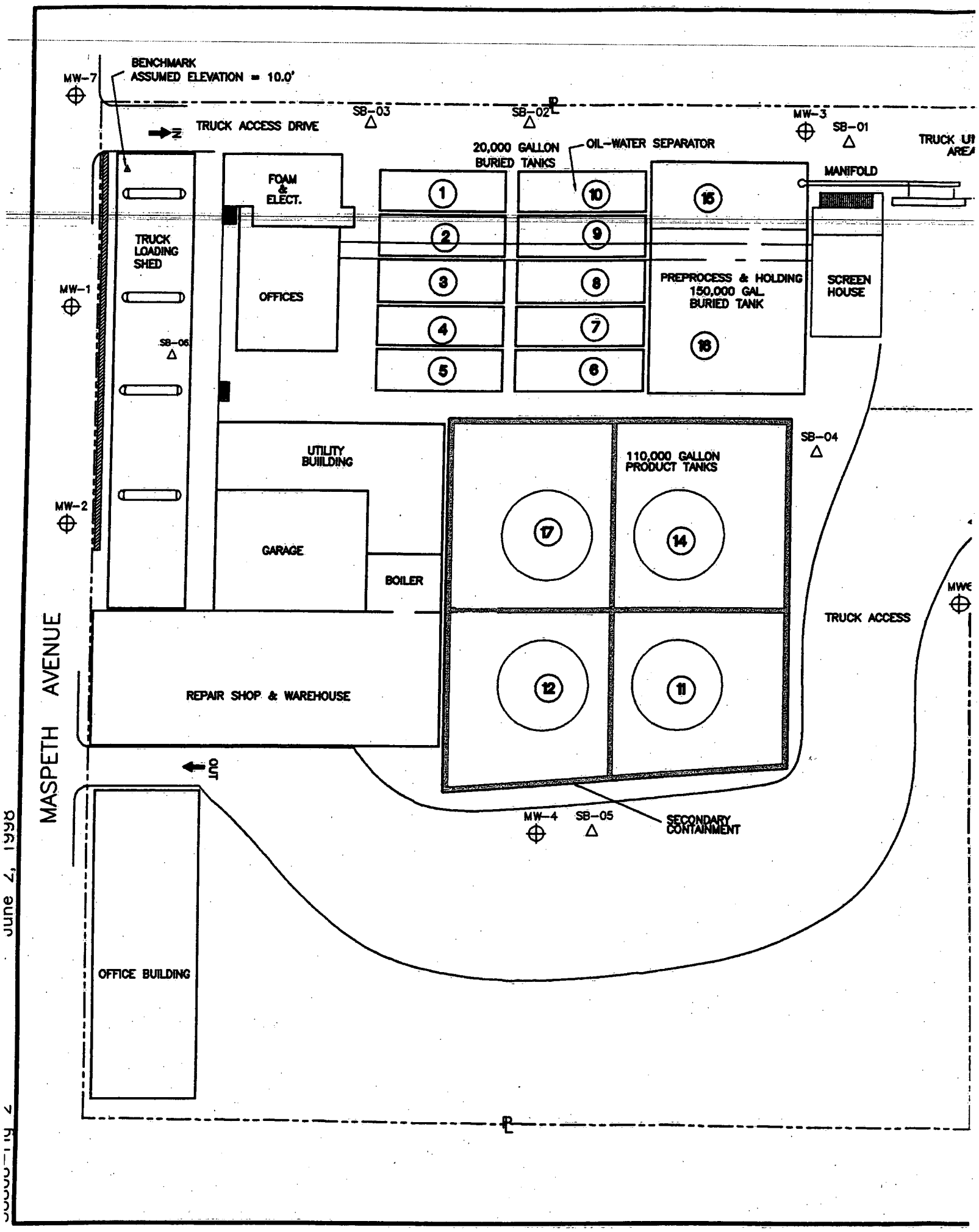
June 2, 1998


BENCHMARK
ASSUMED ELEVATION = 10.0'
MW-7
TRUCK ACCESS DRIVE
N
SB-03
SB-02
MW-3
SB-01
TRUCK UP AREA
20,000 GALLON BURIED TANKS
OIL-WATER SEPARATOR
MANIFOLD
FOAM & ELECT.
TRUCK LOADING SHED
OFFICES
MW-1
SB-06
PREPROCESS & HOLDING 150,000 GAL BURIED TANK
SCREEN HOUSE
SB-04
UTILITY BUIILDING
110,000 GALLON PRODUCT TANKS
MW-2
GARAGE
BOILER
MWC
TRUCK ACCESS
MASPETH AVENUE
REPAIR SHOP & WAREHOUSE
OUT
MW-4
SB-05
SECONDARY CONTAINMENT
OFFICE BUILDING
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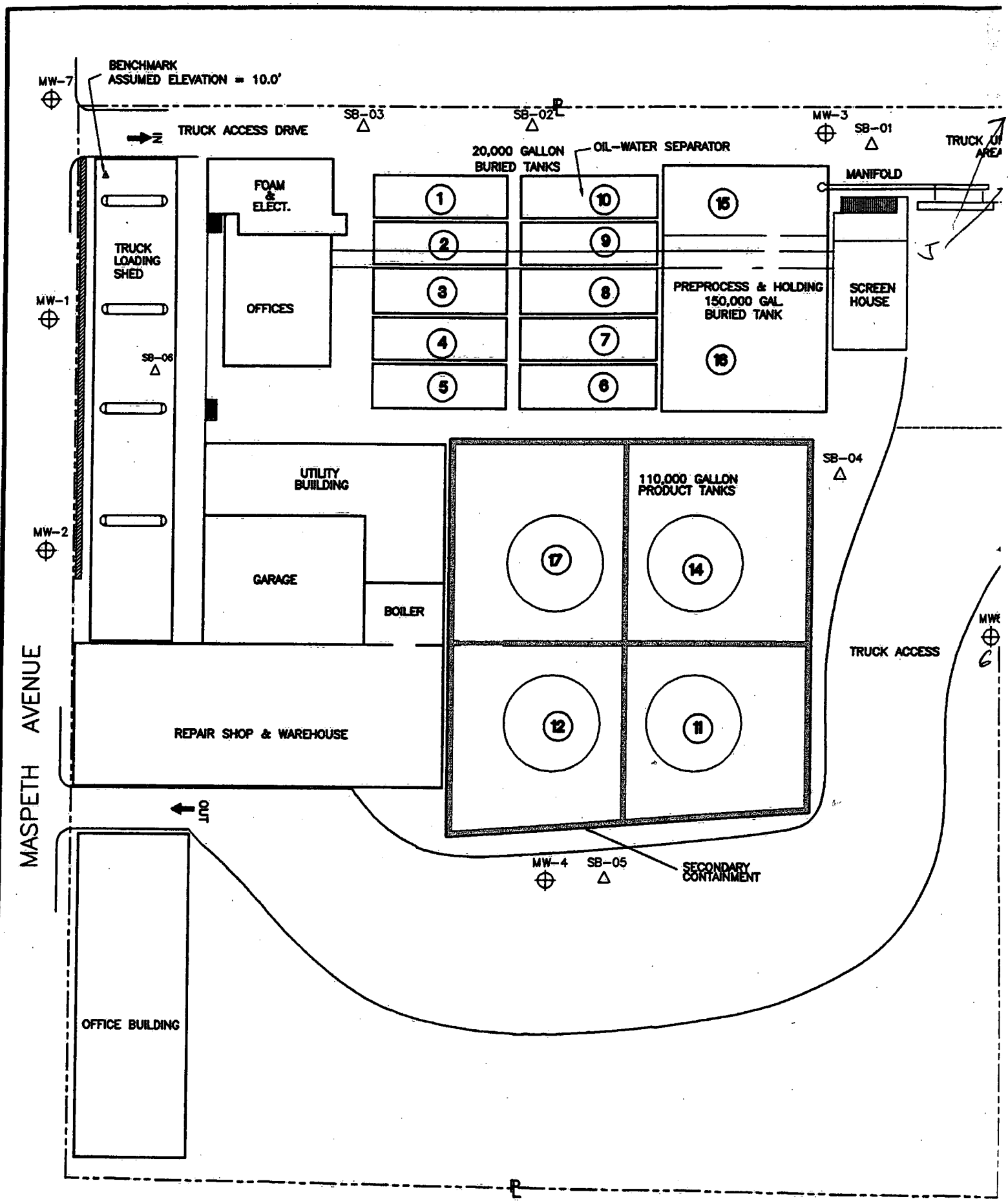
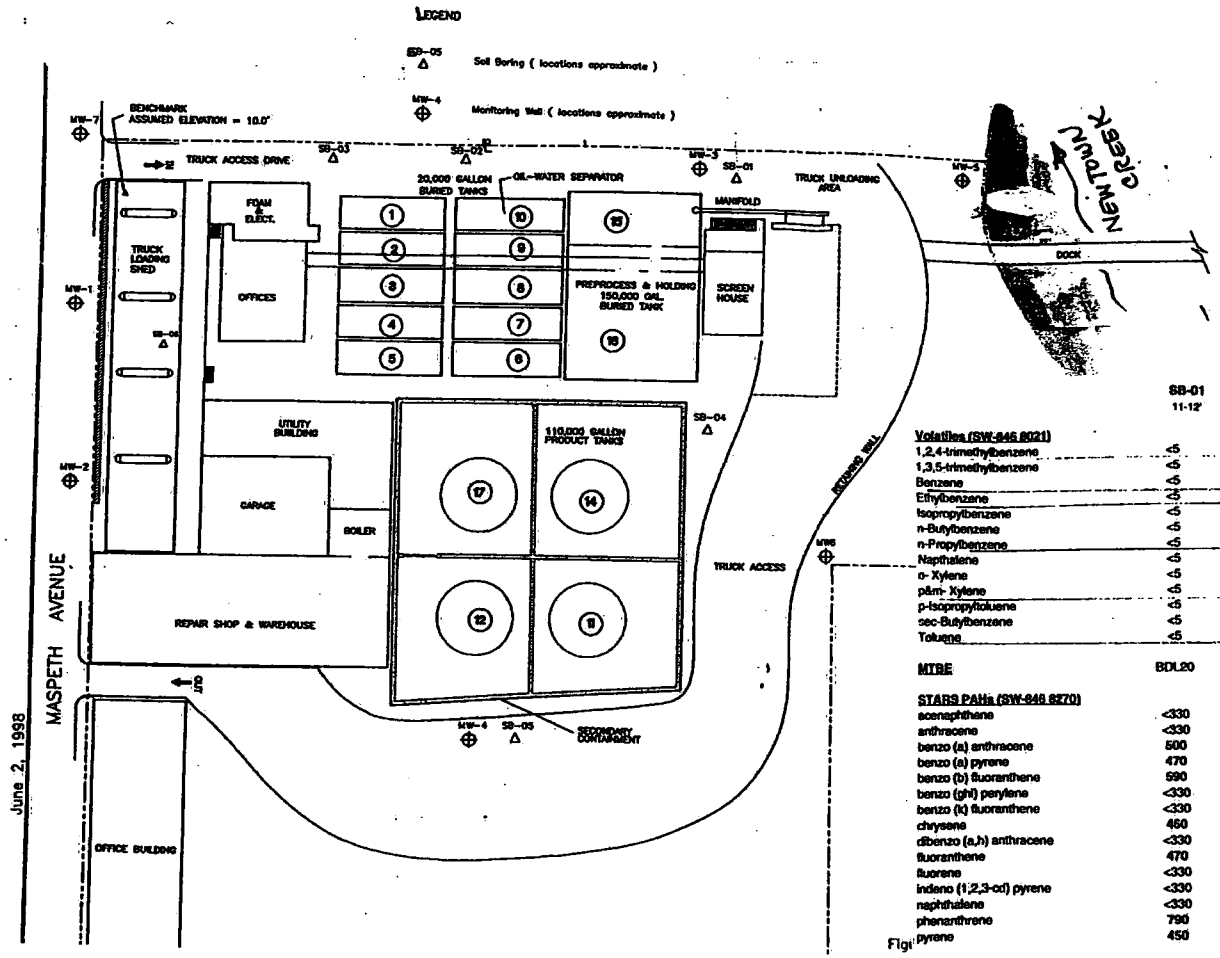
June 7, 1998



June 2, 1998

38808-Fig 2



June 2, 1998

Figi

All results reported in ug/kg (ppb).
< Not Detected
BDL Below Detection Limit

Table 1
BCF Oil Refining
Soil/Groundwater/Product Results

M.W.

	SB-01 11-12'	SB-02 2-3'	SB-02 6-7'	SB-03 6-7'	SB-04 6-7'	SB-05 6-7'	SB-05 12-13'	SB-06 6-9'	MW-1 OIL	MW-4 WATER	MW-5 WATER
Volatiles (SW-846 8021)											
1,2,4-trimethylbenzene	<5	65	<500	<1300	<25	400	350	<1000		<5	200
1,3,5-trimethylbenzene	<5	43	<500	8400	<25	<250	<250	<1000		<5	110
Benzene	<5	26	<500	<1300	<25	<250	<250	<1000		37	1200
Ethylbenzene	<5	51	<500	<1300	<25	<250	<250	<1000		<5	230
Isopropylbenzene	<5	93	1300	7200	<25	<250	<250	9000		10	80
n-Butylbenzene	<5	33	4400	21000	<25	1200	590	16000		<5	<50
n-Propylbenzene	<5	180	4800	31000	<25	<250	<250	28000		12	240
Napthalene	<5	46	570	18000	26	930	<250	2700		<5	<50
o- Xylene	<5	34	<500	<1300	<25	<250	<250	<1000		<5	<50
pâm- Xylene	<5	190	640	3000	<25	<250	<250	<1000		9	220
p-Isopropyltoluene	<5	<25	<500	2800	<25	<250	<250	1700		<5	<50
sec-Butylbenzene	<5	<25	1800	5700	38	420	<250	6300		<5	<50
Toluene	<5	49	1300	<1300	<25	500	530	2300		180	100
MTBE	BDL20	<20	<100	BDL 2500	<20	BDL250	<50	<200		<5	<50
STARS PAHs (SW-846 8270)											
acenaphthene	<330		2200	5300	<330	<1650	470	1800		<8	<8
anthracene	<330		3400	13000	<330	2400	<330	1700		<8	<8
benzo (a) anthracene	500		5400	18000	1500	5500	<330	1300		<31	<31
benzo (a) pyrene	470		3200	5900	1500	4200	<330	930		<10	<10
benzo (b) fluoranthene	590		3800	11000	1600	4800	<330	1100		<19	<19
benzo (ghi) perylene	<330		1100	220	1100	<1650	<330	<330		<10	<10
benzo (k) fluoranthene	<330		2200	2700	760	<1650	<330	<330		<10	<10
chrysene	460		3900	12000	1600	5700	<330	1500		<10	<10
dibenzo (a,h) anthracene	<330		<330	830	<330	<1650	<330	<330		<10	<10
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fluorene	<330		3000	610	<330	2700	630	2200		<8	<8
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naphthalene	<330		<330	1300	<330	4300	<330	<330		<6	<6
phenanthrene	790		13000	55000	1700	12000	1600	8500		<22	<22
pyrene	450		5800	20000	1200	5600	440	2100		<8	<8
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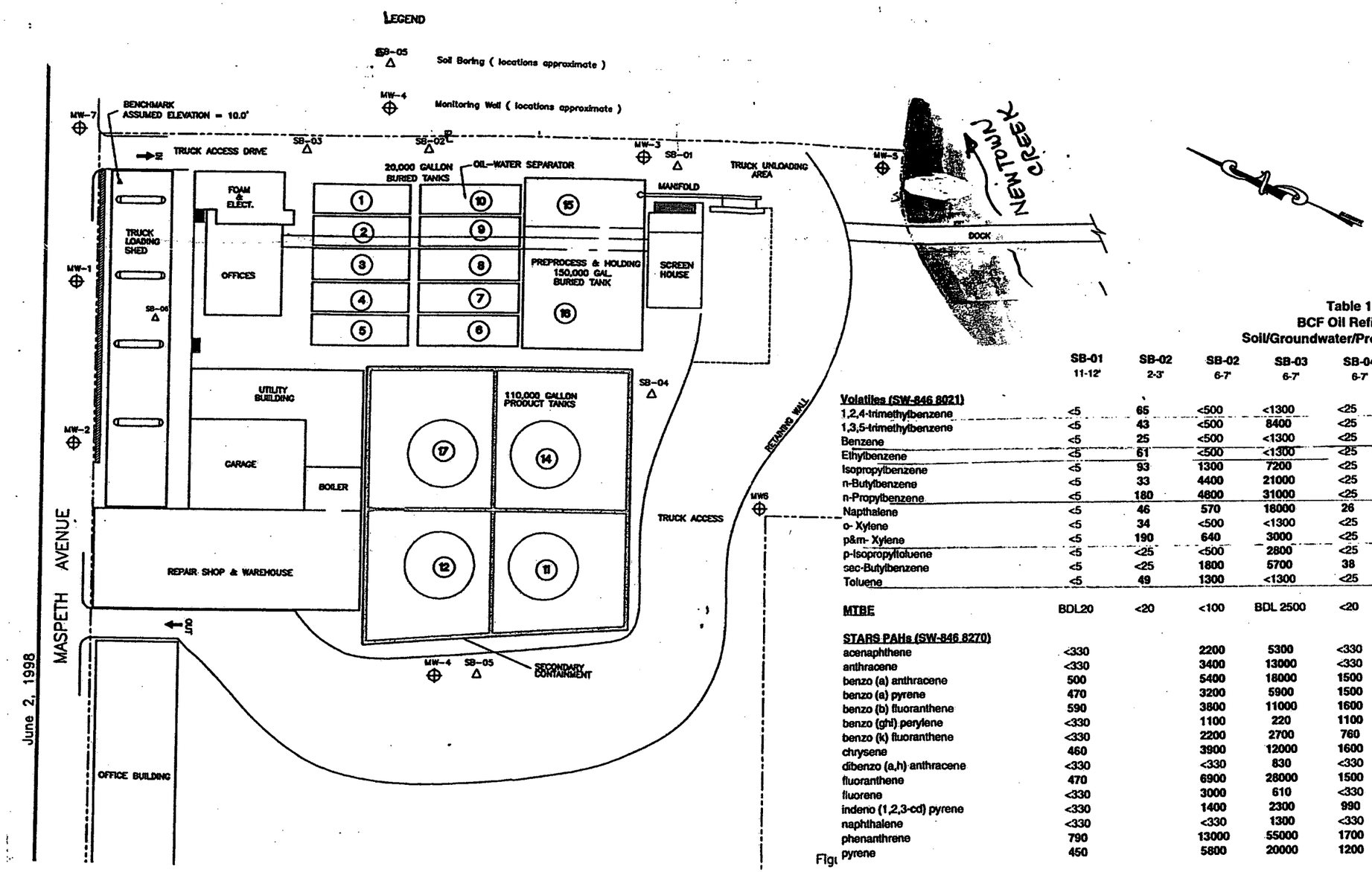
Aroclor 1221	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1232	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1242	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1248	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1254	<80		570	1600	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1260	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1262	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1268	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1



Figu

All results reported in ug/kg (ppb).
< Not Detected
BDL Below Detection Limit

Table 1
BCF Oil Refining
Soil/Groundwater/Product Results

M.W.

	SB-01 11-12'	SB-02 2-3'	SB-02 6-7'	SB-03 6-7'	SB-04 6-7'	SB-05 6-7'	SB-05 12-13'	SB-06 6-9'	MW-1 OIL	MW-4 WATER	MW-5 WATER
Volatiles (SW-846 8021)											
1,2,4-trimethylbenzene	<5	65	<500	<1300	<25	400	350	<1000		<5	200
1,3,5-trimethylbenzene	<5	43	<500	8400	<25	<250	<250	<1000		<5	110
Benzene	<5	25	<500	<1300	<25	<250	<250	<1000		37	1200
Ethylbenzene	<5	61	<500	<1300	<25	<250	<250	<1000		<5	230
Isopropylbenzene	<5	93	1300	7200	<25	<250	<250	9000		10	80
n-Butylbenzene	<5	33	4400	21000	<25	1200	590	16000		<5	<50
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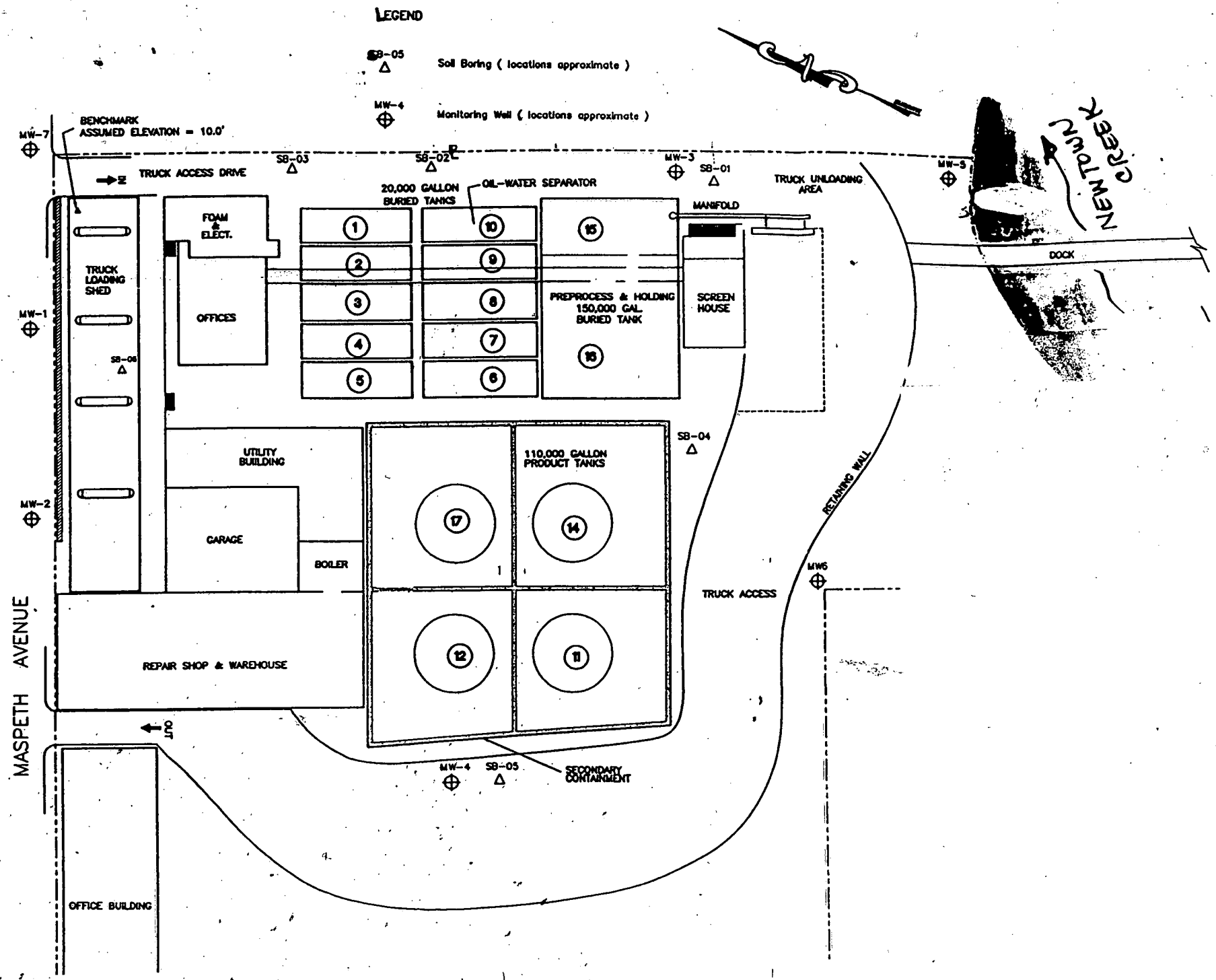
Napthalene	<5	46	570	16000	26	930	<250	2700		<5	<50
o- Xylene	<5	34	<500	<1300	<25	<250	<250	<1000		<5	<50
p&m- Xylene	<5	190	640	3000	<25	<250	<250	<1000		9	220
p-Isopropyltoluene	<5	<25	<500	2800	<25	<250	<250	1700		<5	<50
sec-Butylbenzene	<5	<25	1800	5700	38	420	<250	6300		<5	<50
Toluene	<5	49	1300	<1300	<25	500	530	2300		180	100
MTBE	BDL20	<20	<100	BDL 2500	<20	BDL250	<50	<200		<5	<50
STARS PAHs (SW-846 8270)											
acenaphthene	<330		2200	5300	<330	<1650	470	1800		<8	<8
anthracene	<330		3400	13000	<330	2400	<330	1700		<8	<8
benzo (a) anthracene	500		5400	18000	1500	5500	<330	1300		<31	<31
benzo (a) pyrene	470		3200	5900	1500	4200	<330	930		<10	<10
benzo (b) fluoranthene	590		3800	11000	1600	4800	<330	1100		<19	<19
benzo (ghi) perylene	<330		1100	220	1100	<1650	<330	<330		<10	<10
benzo (k) fluoranthene	<330		2200	2700	760	<1650	<330	<330		<10	<10
chrysene	460		3900	12000	1600	5700	<330	1500		<10	<10
dibenzo (a,h) anthracene	<330		<330	830	<330	<1650	<330	<330		<10	<10
fluoranthene	470		6900	28000	1500	3100	<330	2100		<8	<8
fluorene	<330		3000	610	<330	2700	630	2200		<8	<8
indeno (1,2,3-cd) pyrene	<330		1400	2300	990	<1650	<330	490		<10	<10
naphthalene	<330		<330	1300	<330	4300	<330	<330		<6	<6
phenanthrene	790		13000	55000	1700	12000	1600	8500		<22	<22
pyrene	450		5800	20000	1200	5600	440	2100		<8	<8
PCBs (SW-846 8082)											
Aroclor 1016	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1221	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1232	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1242	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1248	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1254	<80		570	1600	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1260	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1262	<80		<160*	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1268	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1

June 2, 1988

GENEVA HIGHWAY
OFFICE BUILDING
TO
REPAIR SHOP & WAREHOUSE
SECONDARY CONTAINMENT
WM-4
SB-05
WM-5
CARPORT
BOILER
BUILDING UTILITY
PRODUCT TANKS 110,000 GALLON
TRUCK ACCESS
WM6
SB-04
SB-06
WM-1
SHED LOADING TRUCK
OFFICES
ELECT. & FAN
BURIED TANKS 30,000 GALLON
OIL-WATER SEPARATOR
BURIED TANK 120,000 GAL PREPROCESS & HOLDING
HOUSE SCREEN
MANIFOLD
TRUCK UNLOADING AREA
DOCK
RETAINING WALL
TRUCK ACCESS DRIVE
SB-02
SB-03
WM-2
SB-01
WM-3
ASSUMED ELEVATION = 100.0, BENCHMARK
Monitoring Well (locations approximate)
Soil Borings (locations approximate)


LEGEND
SB-05 Soil Boring (locations approximate)
MW-4 Monitoring Well (locations approximate)
BENCHMARK
ASSUMED ELEVATION = 10.0'
MW-7
TRUCK ACCESS DRIVE
SB-03
SB-02
MW-3
SB-01
MW-5
NEWTOWN CREEK
20,000 GALLON BURIED TANKS
OIL-WATER SEPARATOR
TRUCK UNLOADING AREA
MANIFOLD
DOCK
FOAM & ELECT.
TRUCK LOADING SHED
OFFICES
PREPROCESS & HOLDING 150,000 GAL. BURIED TANK
SCREEN HOUSE
MW-1
SB-06
UTILITY BUILDING
110,000 GALLON PRODUCT TANKS
SB-04
RETAINING WALL
MW-2
GARAGE
BOILER
MW6
TRUCK ACCESS
REPAIR SHOP & WAREHOUSE
MASPETH AVENUE
OUT
MW-4
SB-05
SECONDARY CONTAINMENT
OFFICE BUILDING
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June 2, 1998-

BCF Oil Refining
Soil/Groundwater/Product Results

M.W.

	SB-01 11-12'	SB-02 2-3'	SB-02 6-7'	SB-03 6-7'	SB-04 6-7'	SB-05 6-7'	SB-05 12-13'	SB-06 6-9'	MW-1 OIL	MW-4 WATER	MW-5 WATER
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PCB's (SW-846 8082)											
Aroclor 1016	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1221	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1232	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1242	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1248	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1254	<80		570	1600	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1260	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1262	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1
Aroclor 1268	<80		<160	<400	<80	<80	<80	<80	<1000	<1	<1