The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW008 2003-09-03 GW A3I040194001 µg/L	MW008 2004-03-31 GW A4D010333002 µg/L	MW011C 2003-09-04 GW A3I050168001 µg/L	MW011C 2004-03-26 GW A4C270142004 µg/L	MW011C 2004-03-26 GWRERAN A4C270142004 µg/L	MW015 2003-09-02 GW A3I030288003 µg/L	MW015 2004-03-26 GW A4C270142005 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10	< 10		< 10	< 10		< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE	< 50	< 50		< 50	< 50		< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE	< 10	< 10		< 10	< 10		< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE	< 50	< 50		< 50	< 50		< 50
1-NAPHTHYLAMINE	< 10	< 10		< 10	< 10		< 10
2,2'-OXYBIS(1-CHLOROPROPANE)	< 10		< 10			< 10	
2,3,4,6-TETRACHLOROPHENOL	< 50	< 50		< 50	< 50		< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL	< 10	< 10		< 10	< 10		< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100	< 100		< 100	< 100		< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE	< 10	< 10		< 10	< 10		< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE	< 20	< 20		< 20	< 20		< 20
2-SEC-BUTYL-4,6-DINITROPHENOL		< 20		< 20	< 20		< 20
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50	< 50		< 50	< 50		< 50
3-METHYLCHOLANTHRENE	< 20	< 20		< 20	< 20		< 20
3-METHYLPHENOL	< 10	< 10		< 10	< 10		< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL	< 50	< 50		< 50	< 50		< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100	< 100		< 100	< 100		< 100
5-NITRO-O-TOLUIDINE	< 20	< 20		< 20	< 20		< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20	< 20		< 20	< 20		< 20
A,A-DIMETHYLPHENETHYLAMINE		< 50		< 50	< 50		< 50
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE	< 10	< 10		< 10	< 10		< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	< 50						
ANILINE	< 10	< 10		< 10	< 10		< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE	< 10	< 10		< 10	< 10		< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL	< 10	< 10		< 10	< 10		< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER		< 10		< 10	< 10		< 10
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Blank Cell=Not Analyzed
See data validation memo for definitions of data qualifiers
SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW008 2003-09-03 GW A3I040194001 µg/L	MW008 2004-03-31 GW A4D010333002 µg/L	MW011C 2003-09-04 GW A3I050168001 µg/L	MW011C 2004-03-26 GW A4C270142004 µg/L	MW011C 2004-03-26 GWRERAN A4C270142004 µg/L	MW015 2003-09-02 GW A3I030288003 µg/L	MW015 2004-03-26 GW A4C270142005 µg/L
CHLOROBENZILATE		< 10		< 10	< 10		< 10
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE	< 20	< 20		< 20	< 20		< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE	< 20	< 20		< 20	< 20		< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE	< 10	< 10		< 10	< 10		< 10
DISULFOTON		< 50		< 50	< 50		< 50
ETHYL METHANESULFONATE	< 10	< 10		< 10	< 10		< 10
FAMPHUR		< 10		< 10	< 10		< 10
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE	< 100	< 100		< 100	< 100		< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE	< 20	< 20		< 20	< 20		< 20
METHAPYRILENE	< 50	< 50		< 50	< 50		< 50
METHYL METHANESULFONATE	< 10	< 10		< 10	< 10		< 10
METHYL PARATHION		< 10		< 10	< 10		< 10
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE	< 10	< 10		< 10	< 10		< 10
N-NITROSODIMETHYLAMINE	< 10	< 10		< 10	< 10		< 10
N-NITROSODI-N-BUTYLAMINE	< 10	< 10		< 10	< 10		< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10	< 10		< 10	< 10		< 10
N-NITROSOMORPHOLINE	< 10	< 10		< 10	< 10		< 10
N-NITROSOPIPERIDINE	< 10	< 10		< 10	< 10		< 10
N-NITROSOPYRROLIDINE	< 10	< 10		< 10	< 10		< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE		< 50		< 50	< 50		< 50
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE		< 50		< 50	< 50		< 50
O-TOLUIDINE	< 20	< 20		< 20	< 20		< 20
PARATHION		< 10		< 10	< 10		< 10
P-CHLOROBENZILATE	< 10						
P-DIMETHYLAMINOAZOBENZENE	< 20	< 20		< 20	< 20		< 20
PENTACHLOROBENZENE	< 10	< 10		< 10	< 10		< 10
PENTACHLOROETHANE	< 50	< 50		< 50	< 50		< 50
PENTACHLORONITROBENZENE	< 50	< 50		< 50	< 50		< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN	< 20	< 20		< 20	< 20		< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE		< 50		< 50	< 50		< 50
P-PHENYLENE DIAMINE	< 100	< 100		< 100	< 100		< 100
PRONAMIDE	< 20	< 20		< 20	< 20		< 20
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE	< 20	< 20		< 20	< 20		< 20
SAFROLE	< 20	< 20		< 20	< 20		< 20
TETRAETHYLDITHIOPYROPHOSPHATE		< 50		< 50	< 50		< 50

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TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW015B 2003-09-03 GW A3I040194006 µg/L	MW015B 2004-03-29 GW A4C300268006 µg/L	MW017 2003-09-04 GW A3I050168004 µg/L	MW017 2004-03-23 GW A4C240239002 µg/L	MW018 2003-09-03 GW A3I040194007 µg/L	MW018 2004-03-30 GW A4C310291006 µg/L	MW023 2003-09-09 GW A3I100121001 µg/L
1,2,4,5-TETRACHLOROBENZENE		< 10		< 10		< 10	< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE		< 50		< 50		< 50	< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE		< 10		< 10		< 10	< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE		< 50		< 50		< 50	< 50
1-NAPHTHYLAMINE		< 10		< 10		< 10	< 10
2,2'-OXYBIS(1-CHLOROPROPANE)	< 10		< 10		< 10		< 10
2,3,4,6-TETRACHLOROPHENOL		< 50		< 50		< 50	< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL		< 10		< 10		< 10	< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE		< 100		< 100		< 100	< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE		< 10		< 10		< 10	< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE		< 20		< 20		< 20	< 20
2-SEC-BUTYL-4,6-DINITROPHENOL		< 20		< 20		< 20	
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE		< 50		< 50		< 50	< 50
3-METHYLCHOLANTHRENE		< 20		< 20		< 20	< 20
3-METHYLPHENOL		< 10		< 10		< 10	< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL		< 50		< 50		< 50	< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE		< 100		< 100		< 100	< 100
5-NITRO-O-TOLUIDINE		< 20		< 20		< 20	< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE		< 20		< 20		< 20	< 20
A,A-DIMETHYLPHENETHYLAMINE		< 50		< 50		< 50	
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE		< 10		< 10		< 10	< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE							< 50
ANILINE		< 10		< 10		< 10	< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE		< 10		< 10		< 10	< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL		< 10		< 10		< 10	< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER		< 10		< 10		< 10	
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Blank Cell=Not Analyzed
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TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW015B 2003-09-03 GW A3I040194006 µg/L	MW015B 2004-03-29 GW A4C300268006 µg/L	MW017 2003-09-04 GW A3I050168004 µg/L	MW017 2004-03-23 GW A4C240239002 µg/L	MW018 2003-09-03 GW A3I040194007 µg/L	MW018 2004-03-30 GW A4C310291006 µg/L	MW023 2003-09-09 GW A3I100121001 µg/L
CHLOROBENZILATE		< 10		< 10		< 10	
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE		< 20		< 20		< 20	< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE		< 20		< 20		< 20	< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE		< 10		< 10		< 10	< 10
DISULFOTON		< 50		< 50		< 50	
ETHYL METHANESULFONATE		< 10		< 10		< 10	< 10
FAMPHUR		< 10		< 10		< 10	
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE		< 100		< 100		< 100	< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE		< 20		< 20		< 20	< 20
METHAPYRILENE		< 50		< 50		< 50	< 50
METHYL METHANESULFONATE		< 10		< 10		< 10	< 10
METHYL PARATHION		< 10		< 10		< 10	
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE		< 10		< 10		< 10	< 10
N-NITROSODIMETHYLAMINE		< 10		< 10		< 10	< 10
N-NITROSODI-N-BUTYLAMINE		< 10		< 10		< 10	< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE		< 10		< 10		< 10	< 10
N-NITROSOMORPHOLINE		< 10		< 10		< 10	< 10
N-NITROSOPIPERIDINE		< 10		< 10		< 10	< 10
N-NITROSOPYRROLIDINE		< 10		< 10		< 10	< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE		< 50		< 50		< 50	
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE		< 50		< 50		< 50	
O-TOLUIDINE		< 20		< 20		< 20	< 20
PARATHION		< 10		< 10		< 10	
P-CHLOROBENZILATE							< 10
P-DIMETHYLAMINOAZOBENZENE		< 20		< 20		< 20	< 20
PENTACHLOROBENZENE		< 10		< 10		< 10	< 10
PENTACHLOROETHANE		< 50		< 50		< 50	< 50
PENTACHLORONITROBENZENE		< 50		< 50		< 50	< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN		< 20		< 20		< 20	< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE		< 50		< 50		< 50	
P-PHENYLENE DIAMINE		< 100		< 100		< 100	< 100
PRONAMIDE		< 20		< 20		< 20	< 20
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE		< 20		< 20		< 20	< 20
SAFROLE		< 20		< 20		< 20	< 20
TETRAETHYLDITHIOPYROPHOSPHATE		< 50		< 50		< 50	

Blank Cell=Not Analyzed
See data validation memo for definitions of data qualifiers
SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW023 2004-03-31 GW A4D010333003 µg/L	MW024 2003-09-03 GW A3I040194002 µg/L	MW024 2003-09-03 QDUPGW A3I040194011 µg/L	MW024 2004-03-29 GW A4C300268002 µg/L	MW026 2003-09-03 GW A3I040194005 µg/L	MW026 2004-03-26 GW A4C270142007 µg/L	MW026 2004-03-26 GWRERAN A4C270142007 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10			< 10		< 10	< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE	< 50			< 50		< 50	< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE	< 10			< 10		< 10	< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE	< 50			< 50		< 50	< 50
1-NAPHTHYLAMINE	< 10			< 10		< 10	< 10
2,2'-OXYBIS(1-CHLOROPROPANE)		< 10	< 10		< 10		
2,3,4,6-TETRACHLOROPHENOL	< 50			< 50		< 50	< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL	< 10			< 10		< 10	< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100			< 100		< 100	< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE	< 10			< 10		< 10	< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE	< 20			< 20		< 20	< 20
2-SEC-BUTYL-4,6-DINITROPHENOL	< 20			< 20		< 20	< 20
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50			< 50		< 50	< 50
3-METHYLCHOLANTHRENE	< 20			< 20		< 20	< 20
3-METHYLPHENOL	< 10			< 10		< 10	< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL	< 50			< 50		< 50	< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100			< 100		< 100	< 100
5-NITRO-O-TOLUIDINE	< 20			< 20		< 20	< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20			< 20		< 20	< 20
A,A-DIMETHYLPHENETHYLAMINE	< 50			< 50		< 50	< 50
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE	< 10			< 10		< 10	< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE							
ANILINE	< 10			< 10		< 10	< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE	< 10			< 10		< 10	< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL	< 10			< 10		< 10	< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER	< 10			< 10		< 10	< 10
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Blank Cell=Not Analyzed
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SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

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EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW023 2004-03-31 GW A4D010333003 µg/L	MW024 2003-09-03 GW A3I040194002 µg/L	MW024 2003-09-03 QDUPGW A3I040194011 µg/L	MW024 2004-03-29 GW A4C300268002 µg/L	MW026 2003-09-03 GW A3I040194005 µg/L	MW026 2004-03-26 GW A4C270142007 µg/L	MW026 2004-03-26 GWRERAN A4C270142007 µg/L
CHLOROBENZILATE	< 10			< 10		< 10	< 10
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE	< 20			< 20		< 20	< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE	< 20			< 20		< 20	< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE	< 10			< 10		< 10	< 10
DISULFOTON	< 50			< 50		< 50	< 50
ETHYL METHANESULFONATE	< 10			< 10		< 10	< 10
FAMPHUR	< 10			< 10		< 10	< 10
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE	< 100			< 100		< 100	< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE	< 20			< 20		< 20	< 20
METHAPYRILENE	< 50			< 50		< 50	< 50
METHYL METHANESULFONATE	< 10			< 10		< 10	< 10
METHYL PARATHION	< 10			< 10		< 10	< 10
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE	< 10			< 10		< 10	< 10
N-NITROSODIMETHYLAMINE	< 10			< 10		< 10	< 10
N-NITROSODI-N-BUTYLAMINE	< 10			< 10		< 10	< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10			< 10		< 10	< 10
N-NITROSOMORPHOLINE	< 10			< 10		< 10	< 10
N-NITROSOPIPERIDINE	< 10			< 10		< 10	< 10
N-NITROSOPYRROLIDINE	< 10			< 10		< 10	< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE	< 50			< 50		< 50	< 50
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE	< 50			< 50		< 50	< 50
O-TOLUIDINE	< 20			< 20		< 20	< 20
PARATHION	< 10			< 10		< 10	< 10
P-CHLOROBENZILATE							
P-DIMETHYLAMINOAZOBENZENE	< 20			< 20		< 20	< 20
PENTACHLOROBENZENE	< 10			< 10		< 10	< 10
PENTACHLOROETHANE	< 50			< 50		< 50	< 50
PENTACHLORONITROBENZENE	< 50			< 50		< 50	< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN	< 20			< 20		< 20	< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE	< 50			< 50		< 50	< 50
P-PHENYLENE DIAMINE	< 100			< 100		< 100	< 100
PRONAMIDE	< 20			< 20		< 20	< 20
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE	< 20			< 20		< 20	< 20
SAFROLE	< 20			< 20		< 20	< 20
TETRAETHYLDITHIOPYROPHOSPHATE	< 50			< 50		< 50	< 50

Blank Cell=Not Analyzed
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EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW026A 2003-09-03 GW A3I040194004 µg/L	MW026A 2004-03-26 GW A4C270142006 µg/L	MW026A 2004-03-26 GWRERAN A4C270142006 µg/L	MW027 2003-09-03 GW A3I040194003 µg/L	MW027 2004-03-26 GW A4C270142008 µg/L	MW027 2004-03-26 GWRERAN A4C270142008 µg/L	MW030 2003-09-04 GW A3I050168002 µg/L
1,2,4,5-TETRACHLOROBENZENE		< 10	< 10		< 10	< 10	
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE		< 50	< 50		< 50	< 50	
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE		< 10	< 10		< 10	< 10	
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE		< 50	< 50		< 50	< 50	
1-NAPHTHYLAMINE		< 10	< 10		< 10	< 10	
2,2'-OXYBIS(1-CHLOROPROPANE)	< 10			< 10			< 10
2,3,4,6-TETRACHLOROPHENOL		< 50	< 50		< 50	< 50	
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL		< 10	< 10		< 10	< 10	
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE		< 100	< 100		< 100	< 100	
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE		< 10	< 10		< 10	< 10	
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE		< 20	< 20		< 20	< 20	
2-SEC-BUTYL-4,6-DINITROPHENOL		< 20	< 20		< 20	< 20	
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE		< 50	< 50		< 50	< 50	
3-METHYLCHOLANTHRENE		< 20	< 20		< 20	< 20	
3-METHYLPHENOL		< 10	< 10		< 10	< 10	
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL		< 50	< 50		< 50	< 50	
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE		< 100	< 100		< 100	< 100	
5-NITRO-O-TOLUIDINE		< 20	< 20		< 20	< 20	
7,12-DIMETHYLBENZ(A)ANTHRACENE		< 20	< 20		< 20	< 20	
A,A-DIMETHYLPHENETHYLAMINE		< 50	< 50		< 50	< 50	
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE		< 10	< 10		< 10	< 10	
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE							
ANILINE		< 10	< 10		< 10	< 10	
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE		< 10	< 10		< 10	< 10	
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL		< 10	< 10		< 10	< 10	
BIS(2-CHLORO-1-METHYLETHYL) ETHER		< 10	< 10		< 10	< 10	
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW026A 2003-09-03 GW A3I040194004 µg/L	MW026A 2004-03-26 GW A4C270142006 µg/L	MW026A 2004-03-26 GWRERAN A4C270142006 µg/L	MW027 2003-09-03 GW A3I040194003 µg/L	MW027 2004-03-26 GW A4C270142008 µg/L	MW027 2004-03-26 GWRERAN A4C270142008 µg/L	MW030 2003-09-04 GW A3I050168002 µg/L
CHLOROBENZILATE		< 10	< 10		< 10	< 10	
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE		< 20	< 20		< 20	< 20	
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE		< 20	< 20		< 20	< 20	
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE		< 10	< 10		< 10	< 10	
DISULFOTON		< 50	< 50		< 50	< 50	
ETHYL METHANESULFONATE		< 10	< 10		< 10	< 10	
FAMPHUR		< 10	< 10		< 10	< 10	
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE		< 100	< 100		< 100	< 100	
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE		< 20	< 20		< 20	< 20	
METHAPYRILENE		< 50	< 50		< 50	< 50	
METHYL METHANESULFONATE		< 10	< 10		< 10	< 10	
METHYL PARATHION		< 10	< 10		< 10	< 10	
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE		< 10	< 10		< 10	< 10	
N-NITROSODIMETHYLAMINE		< 10	< 10		< 10	< 10	
N-NITROSODI-N-BUTYLAMINE		< 10	< 10		< 10	< 10	
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE		< 10	< 10		< 10	< 10	
N-NITROSOMORPHOLINE		< 10	< 10		< 10	< 10	
N-NITROSOPIPERIDINE		< 10	< 10		< 10	< 10	
N-NITROSOPYRROLIDINE		< 10	< 10		< 10	< 10	
O,O,O-TRIETHYL PHOSPHOROTHIOATE		< 50	< 50		< 50	< 50	
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE		< 50	< 50		< 50	< 50	
O-TOLUIDINE		< 20	< 20		< 20	< 20	
PARATHION		< 10	< 10		< 10	< 10	
P-CHLOROBENZILATE							
P-DIMETHYLAMINOAZOBENZENE		< 20	< 20		< 20	< 20	
PENTACHLOROBENZENE		< 10	< 10		< 10	< 10	
PENTACHLOROETHANE		< 50	< 50		< 50	< 50	
PENTACHLORONITROBENZENE		< 50	< 50		< 50	< 50	
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN		< 20	< 20		< 20	< 20	
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE		< 50	< 50		< 50	< 50	
P-PHENYLENE DIAMINE		< 100	< 100		< 100	< 100	
PRONAMIDE		< 20	< 20		< 20	< 20	
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE		< 20	< 20		< 20	< 20	
SAFROLE		< 20	< 20		< 20	< 20	
TETRAETHYLDITHIOPYROPHOSPHATE		< 50	< 50		< 50	< 50	

Blank Cell=Not Analyzed
See data validation memo for definitions of data qualifiers
SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

The Payne Firm, Inc.

EMD Chemicals Inc.
Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW030 2004-03-29 GW A4C300268005 µg/L	MW031A 2003-09-05 GW A3I060169003 µg/L	MW031A 2004-03-29 GW A4C300268004 µg/L	MW031C 2003-09-05 GW A3I060169002 µg/L	MW031C 2004-03-29 GW A4C300268007 µg/L	MW031D 2003-09-05 GW A3I060169004 µg/L	MW031D 2003-09-05 QDUPGW A3I060169010 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10		< 10		< 10		
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE	< 50		< 50		< 50		
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE	< 10		< 10		< 10		
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE	< 50		< 50		< 50		
1-NAPHTHYLAMINE	< 10		< 10		< 10		
2,2'-OXYBIS(1-CHLOROPROPANE)		< 10		< 10		< 10	< 10
2,3,4,6-TETRACHLOROPHENOL	< 50		< 50		< 50		
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL	< 10		< 10		< 10		
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100		< 100		< 100		
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE	< 10		< 10		< 10		
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE	< 20		< 20		< 20		
2-SEC-BUTYL-4,6-DINITROPHENOL	< 20		< 20		< 20		
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50		< 50		< 50		
3-METHYLCHOLANTHRENE	< 20		< 20		< 20		
3-METHYLPHENOL	< 10		< 10		< 10		
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL	< 50		< 50		< 50		
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100		< 100		< 100		
5-NITRO-O-TOLUIDINE	< 20		< 20		< 20		
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20		< 20		< 20		
A,A-DIMETHYLPHENETHYLAMINE	< 50		< 50		< 50		
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE	< 10		< 10		< 10		
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE							
ANILINE	< 10		< 10		< 10		
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE	< 10		< 10		< 10		
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL	< 10		< 10		< 10		
BIS(2-CHLORO-1-METHYLETHYL) ETHER	< 10		< 10		< 10		
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	29	< 10	11	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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ANALYTE	MW030 2004-03-29 GW A4C300268005 µg/L	MW031A 2003-09-05 GW A3I060169003 µg/L	MW031A 2004-03-29 GW A4C300268004 µg/L	MW031C 2003-09-05 GW A3I060169002 µg/L	MW031C 2004-03-29 GW A4C300268007 µg/L	MW031D 2003-09-05 GW A3I060169004 µg/L	MW031D 2003-09-05 QDUPGW A3I060169010 µg/L
CHLOROBENZILATE	< 10		< 10		< 10		
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE	< 20		< 20		< 20		
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE	< 20		< 20		< 20		
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE	< 10		< 10		< 10		
DISULFOTON	< 50		< 50		< 50		
ETHYL METHANESULFONATE	< 10		< 10		< 10		
FAMPHUR	< 10		< 10		< 10		
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE	< 100		< 100		< 100		
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE	< 20		< 20		< 20		
METHAPYRILENE	< 50		< 50		< 50		
METHYL METHANESULFONATE	< 10		< 10		< 10		
METHYL PARATHION	< 10		< 10		< 10		
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE	< 10		< 10		< 10		
N-NITROSODIMETHYLAMINE	< 10		< 10		< 10		
N-NITROSODI-N-BUTYLAMINE	< 10		< 10		< 10		
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10		< 10		< 10		
N-NITROSOMORPHOLINE	< 10		< 10		< 10		
N-NITROSOPIPERIDINE	< 10		< 10		< 10		
N-NITROSOPYRROLIDINE	< 10		< 10		< 10		
O,O,O-TRIETHYL PHOSPHOROTHIOATE	< 50		< 50		< 50		
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE	< 50		< 50		< 50		
O-TOLUIDINE	< 20		< 20		< 20		
PARATHION	< 10		< 10		< 10		
P-CHLOROBENZILATE							
P-DIMETHYLAMINOAZOBENZENE	< 20		< 20		< 20		
PENTACHLOROBENZENE	< 10		< 10		< 10		
PENTACHLOROETHANE	< 50		< 50		< 50		
PENTACHLORONITROBENZENE	< 50		< 50		< 50		
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN	< 20		< 20		< 20		
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE	< 50		< 50		< 50		
P-PHENYLENE DIAMINE	< 100		< 100		< 100		
PRONAMIDE	< 20		< 20		< 20		
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE	< 20		< 20		< 20		
SAFROLE	< 20		< 20		< 20		
TETRAETHYLDITHIOPYROPHOSPHATE	< 50		< 50		< 50		

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Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW031D 2004-03-29 GW A4C300268003 µg/L	MW042 2003-09-04 GW A3I050168003 µg/L	MW042 2004-03-23 GW A4C240239003 µg/L	MW043A 2003-09-02 GW A3I030288002 µg/L	MW043A 2004-03-30 GW A4C310291005 µg/L	MW043A 2004-03-30 GWRERAN A4C310291005 µg/L	MW044 2004-03-29 GW A4C300268001 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10		< 10		< 10	< 10	< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE	< 50		< 50		< 50	< 50	< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE	< 10		< 10		< 10	< 10	< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE	< 50		< 50		< 50	< 50	< 50
1-NAPHTHYLAMINE	< 10		< 10		< 10	< 10	< 10
2,2'-OXYBIS(1-CHLOROPROPANE)		< 10		< 10			
2,3,4,6-TETRACHLOROPHENOL	< 50		< 50		< 50	< 50	< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL	< 10		< 10		< 10	< 10	< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100		< 100		< 100	< 100	< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE	< 10		< 10		< 10	< 10	< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE	< 20		< 20		< 20	< 20	< 20
2-SEC-BUTYL-4,6-DINITROPHENOL	< 20		< 20		< 20	< 20	< 20
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50		< 50		< 50	< 50	< 50
3-METHYLCHOLANTHRENE	< 20		< 20		< 20	< 20	< 20
3-METHYLPHENOL	< 10		< 10		< 10	< 10	< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL	< 50		< 50		< 50	< 50	< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100		< 100		< 100	< 100	< 100
5-NITRO-O-TOLUIDINE	< 20		< 20		< 20	< 20	< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20		< 20		< 20	< 20	< 20
A,A-DIMETHYLPHENETHYLAMINE	< 50		< 50		< 50	< 50	< 50
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE	< 10		< 10		< 10	< 10	< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE							
ANILINE	< 10		< 10		< 10	< 10	< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE	< 10		< 10		< 10	< 10	< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL	< 10		< 10		< 10	< 10	< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER	< 10		< 10		< 10	< 10	< 10
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	18	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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ANALYTE	MW031D 2004-03-29 GW A4C300268003 µg/L	MW042 2003-09-04 GW A3I050168003 µg/L	MW042 2004-03-23 GW A4C240239003 µg/L	MW043A 2003-09-02 GW A3I030288002 µg/L	MW043A 2004-03-30 GW A4C310291005 µg/L	MW043A 2004-03-30 GWRERAN A4C310291005 µg/L	MW044 2004-03-29 GW A4C300268001 µg/L
CHLOROBENZILATE	< 10		< 10		< 10	< 10	< 10
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE	< 20		< 20		< 20	< 20	< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE	< 20		< 20		< 20	< 20	< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE	< 10		< 10		< 10	< 10	< 10
DISULFOTON	< 50		< 50		< 50	< 50	< 50
ETHYL METHANESULFONATE	< 10		< 10		< 10	< 10	< 10
FAMPHUR	< 10		< 10		< 10	< 10	< 10
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE	< 100		< 100		< 100	< 100	< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE	< 20		< 20		< 20	< 20	< 20
METHAPYRILENE	< 50		< 50		< 50	< 50	< 50
METHYL METHANESULFONATE	< 10		< 10		< 10	< 10	< 10
METHYL PARATHION	< 10		< 10		< 10	< 10	< 10
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE	< 10		< 10		< 10	< 10	< 10
N-NITROSODIMETHYLAMINE	< 10		< 10		< 10	< 10	< 10
N-NITROSODI-N-BUTYLAMINE	< 10		< 10		< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10		< 10		< 10	< 10	< 10
N-NITROSOMORPHOLINE	< 10		< 10		< 10	< 10	< 10
N-NITROSOPIPERIDINE	< 10		< 10		< 10	< 10	< 10
N-NITROSOPYRROLIDINE	< 10		< 10		< 10	< 10	< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE	< 50		< 50		< 50	< 50	< 50
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE	< 50		< 50		< 50	< 50	< 50
O-TOLUIDINE	< 20		< 20		< 20	< 20	< 20
PARATHION	< 10		< 10		< 10	< 10	< 10
P-CHLOROBENZILATE							
P-DIMETHYLAMINOAZOBENZENE	< 20		< 20		< 20	< 20	< 20
PENTACHLOROBENZENE	< 10		< 10		< 10	< 10	< 10
PENTACHLOROETHANE	< 50		< 50		< 50	< 50	< 50
PENTACHLORONITROBENZENE	< 50		< 50		< 50	< 50	< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN	< 20		< 20		< 20	< 20	< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE	< 50		< 50		< 50	< 50	< 50
P-PHENYLENE DIAMINE	< 100		< 100		< 100	< 100	< 100
PRONAMIDE	< 20		< 20		< 20	< 20	< 20
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE	< 20		< 20		< 20	< 20	< 20
SAFROLE	< 20		< 20		< 20	< 20	< 20
TETRAETHYLDITHIOPYROPHOSPHATE	< 50		< 50		< 50	< 50	< 50

Blank Cell=Not Analyzed
See data validation memo for definitions of data qualifiers
SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW044 2004-03-29 GWRERAN A4C300268001 µg/L	MW044 2004-03-29 QDUPGW A4C300268009 µg/L	MW504 2003-09-08 GW A3I100121002 µg/L	MW504 2004-03-30 GW A4C310291003 µg/L	MW504 2004-03-30 GWRERAN A4C310291003 µg/L	MW505A 2003-09-05 GW A3I060169007 µg/L	MW505A 2004-03-24 GW A4C250250003 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,3,5-TRINITROBENZENE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,3-DINITROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
1,4-NAPHTHOQUINONE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
1-NAPHTHYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,2'-OXYBIS(1-CHLOROPROPANE)			< 10			< 10	
2,3,4,6-TETRACHLOROPHENOL	< 50	< 50	< 50	< 50	< 91	< 50	< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 91	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,6-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100	< 100	< 100	< 100	< 180	< 100	< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-NAPHTHYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
2-PICOLINE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
2-SEC-BUTYL-4,6-DINITROPHENOL	< 20	< 20		< 20	< 36		< 20
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
3-METHYLCHOLANTHRENE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 91	< 50	< 50
4-AMINOBIPHENYL	< 50	< 50	< 50	< 50	< 91	< 50	< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 18	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 18	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 91	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100	< 100	< 100	< 100	< 180	< 100	< 100
5-NITRO-O-TOLUIDINE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
A,A-DIMETHYLPHENETHYLAMINE	< 50	< 50		< 50	< 91		< 50
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ACETOPHENONE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE			< 50			< 50	
ANILINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ARAMITE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BENZYL ALCOHOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER	< 10	< 10		< 10	< 18		< 10
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 18	< 10	< 10

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Norwood Facility
Cincinnati, Ohio
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TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW044 2004-03-29 GWRERAN A4C300268001 µg/L	MW044 2004-03-29 QDUPGW A4C300268009 µg/L	MW504 2003-09-08 GW A3I100121002 µg/L	MW504 2004-03-30 GW A4C310291003 µg/L	MW504 2004-03-30 GWRERAN A4C310291003 µg/L	MW505A 2003-09-05 GW A3I060169007 µg/L	MW505A 2004-03-24 GW A4C250250003 µg/L
CHLOROBENZILATE	< 10	< 10		< 10	< 18		< 10
CHRYSENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DIALLATE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DIMETHOATE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DIPHENYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
DISULFOTON	< 50	< 50		< 50	< 91		< 50
ETHYL METHANESULFONATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
FAMPHUR	< 10	< 10		< 10	< 18		< 10
FLUORANTHENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
HEXACHLOROPROPENE	< 100	< 100	< 100	< 100	< 180	< 100	< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
ISOSAFROLE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
METHAPYRILENE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
METHYL METHANESULFONATE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
METHYL PARATHION	< 10	< 10		< 10	< 18		< 10
NAPHTHALENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSODIETHYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSODIMETHYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSODI-N-BUTYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSOMORPHOLINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSOPIPERIDINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
N-NITROSOPYRROLIDINE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE	< 50	< 50		< 50	< 91		< 50
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE	< 50	< 50		< 50	< 91		< 50
O-TOLUIDINE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
PARATHION	< 10	< 10		< 10	< 18		< 10
P-CHLOROBENZILATE			< 10			< 10	
P-DIMETHYLAMINOAZOBENZENE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
PENTACHLOROBENZENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
PENTACHLOROETHANE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
PENTACHLORONITROBENZENE	< 50	< 50	< 50	< 50	< 91	< 50	< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
PHENACETIN	< 20	< 20	< 20	< 20	< 36	< 20	< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 18	< 10	< 10
PHORATE	< 50	< 50		< 50	< 91		< 50
P-PHENYLENE DIAMINE	< 100	< 100	< 100	< 100	< 180	< 100	< 100
PRONAMIDE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
PYRENE	< 10	< 10	< 10	< 10	< 18	< 10	< 10
PYRIDINE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
SAFROLE	< 20	< 20	< 20	< 20	< 36	< 20	< 20
TETRAETHYLDITHIOPYROPHOSPHATE	< 50	< 50		< 50	< 91		< 50

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The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW505B 2003-09-05 GW A3I060169008 µg/L	MW505B 2004-03-24 GW A4C250250004 µg/L	MW506 2003-09-04 GW A3I050168005 µg/L	MW506 2004-03-25 GW A4C270142003 µg/L	MW506 2004-03-25 GWRERAN A4C270142003 µg/L	MW507 2003-09-05 GWRERAN A3I060169006 µg/L	MW507 2004-03-24 GW A4C250250005 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10	< 10		< 10	< 10	< 10	< 40
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
1,2-DICHLOROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
1,3,5-TRINITROBENZENE	< 50	< 50		< 50	< 50	< 50	< 200
1,3-DICHLOROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
1,3-DINITROBENZENE	< 10	< 10		< 10	< 10	< 10	< 40
1,4-DICHLOROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
1,4-NAPHTHOQUINONE	< 50	< 50		< 50	< 50	< 50	< 200
1-NAPHTHYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
2,2'-OXYBIS(1-CHLOROPROPANE)	< 10		< 25			< 10	
2,3,4,6-TETRACHLOROPHENOL	< 50	< 50		< 50	< 50	< 50	< 200
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2,4-DICHLOROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2,4-DIMETHYLPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2,4-DINITROPHENOL	< 50	< 50	< 120	< 50	< 50	< 50	< 200
2,4-DINITROTOLUENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2,6-DICHLOROPHENOL	< 10	< 10		< 10	< 10	< 10	< 40
2,6-DINITROTOLUENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-ACETYLAMINOFLUORENE	< 100	< 100		< 100	< 100	< 100	< 400
2-CHLORONAPHTHALENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-CHLOROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-METHYLNAPHTHALENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-METHYLPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-NAPHTHYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
2-NITROANILINE	< 50	< 50	< 120	< 50	< 50	< 50	< 200
2-NITROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
2-PICOLINE	< 20	< 20		< 20	< 20	< 20	< 80
2-SEC-BUTYL-4,6-DINITROPHENOL		< 20		< 20	< 20		< 80
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 120	< 50	< 50	< 50	< 200
3,3'-DIMETHYLBENZIDINE	< 50	< 50		< 50	< 50	< 50	< 200
3-METHYLCHOLANTHRENE	< 20	< 20		< 20	< 20	< 20	< 80
3-METHYLPHENOL	< 10	< 10		< 10	< 10	< 10	< 40
3-NITROANILINE	< 50	< 50	< 120	< 50	< 50	< 50	< 200
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 120	< 50	< 50	< 50	< 200
4-AMINOBIPHENYL	< 50	< 50		< 50	< 50	< 50	< 200
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 25	< 10	< 10	< 10	< 40
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
4-CHLOROANILINE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 25	< 10	< 10	< 10	< 40
4-METHYLPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
4-NITROANILINE	< 50	< 50	< 120	< 50	< 50	< 50	< 200
4-NITROPHENOL	< 50	< 50	< 120	< 50	< 50	< 50	< 200
4-NITROQUINOLINE-1-OXIDE	< 100	< 100		< 100	< 100	< 100	< 400
5-NITRO-O-TOLUIDINE	< 20	< 20		< 20	< 20	< 20	< 80
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20	< 20		< 20	< 20	< 20	< 80
A,A-DIMETHYLPHENETHYLAMINE		< 50		< 50	< 50		< 200
ACENAPHTHENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
ACENAPHTHYLENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
ACETOPHENONE	< 10	< 10		< 10	< 10	< 10	< 40
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	< 50					< 50	
ANILINE	< 10	< 10		< 10	< 10	< 10	< 40
ANTHRACENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
ARAMITE	< 10	< 10		< 10	< 10	< 10	< 40
BENZO(A)ANTHRACENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BENZO(A)PYRENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BENZO(B)FLUORANTHENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BENZO(GHI)PERYLENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BENZO(K)FLUORANTHENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BENZYL ALCOHOL	< 10	< 10		< 10	< 10	< 10	< 40
BIS(2-CHLORO-1-METHYLETHYL) ETHER		< 10		< 10	< 10		< 40
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
BUTYL BENZYL PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
CARBAZOLE	< 10	< 10	< 25	< 10	< 10	< 10	< 40

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TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW505B 2003-09-05 GW A3I060169008 µg/L	MW505B 2004-03-24 GW A4C250250004 µg/L	MW506 2003-09-04 GW A3I050168005 µg/L	MW506 2004-03-25 GW A4C270142003 µg/L	MW506 2004-03-25 GWRERAN A4C270142003 µg/L	MW507 2003-09-05 GWRERAN A3I060169006 µg/L	MW507 2004-03-24 GW A4C250250005 µg/L
CHLOROBENZILATE		< 10		< 10	< 10		< 40
CHRYSENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DIALLATE	< 20	< 20		< 20	< 20	< 20	< 80
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DIBENZOFURAN	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DIETHYL PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DIMETHOATE	< 20	< 20		< 20	< 20	< 20	< 80
DIMETHYL PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DI-N-BUTYL PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DI-N-OCTYL PHTHALATE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
DIPHENYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
DISULFOTON		< 50		< 50	< 50		< 200
ETHYL METHANESULFONATE	< 10	< 10		< 10	< 10	< 10	< 40
FAMPHUR		< 10		< 10	< 10		< 40
FLUORANTHENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
FLUORENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
HEXACHLOROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
HEXACHLOROBUTADIENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 120	< 50	< 50	< 50	< 200
HEXACHLOROETHANE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
HEXACHLOROPROPENE	< 100	< 100		< 100	< 100	< 100	< 400
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
ISOPHORONE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
ISOSAFROLE	< 20	< 20		< 20	< 20	< 20	< 80
METHAPYRILENE	< 50	< 50		< 50	< 50	< 50	< 200
METHYL METHANESULFONATE	< 10	< 10		< 10	< 10	< 10	< 40
METHYL PARATHION		< 10		< 10	< 10		< 40
NAPHTHALENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
NITROBENZENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
N-NITROSODIETHYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSODIMETHYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSODI-N-BUTYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
N-NITROSODIPHENYLAMINE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
N-NITROSOMETHYLETHYLAMINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSOMORPHOLINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSOPIPERIDINE	< 10	< 10		< 10	< 10	< 10	< 40
N-NITROSOPYRROLIDINE	< 10	< 10		< 10	< 10	< 10	< 40
O,O,O-TRIETHYL PHOSPHOROTHIOATE		< 50		< 50	< 50		< 200
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE		< 50		< 50	< 50		< 200
O-TOLUIDINE	< 20	< 20		< 20	< 20	< 20	< 80
PARATHION		< 10		< 10	< 10		< 40
P-CHLOROBENZILATE	< 10					< 10	
P-DIMETHYLAMINOAZOBENZENE	< 20	< 20		< 20	< 20	< 20	< 80
PENTACHLOROBENZENE	< 10	< 10		< 10	< 10	< 10	< 40
PENTACHLOROETHANE	< 50	< 50		< 50	< 50	< 50	< 200
PENTACHLORONITROBENZENE	< 50	< 50		< 50	< 50	< 50	< 200
PENTACHLOROPHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
PHENACETIN	< 20	< 20		< 20	< 20	< 20	< 80
PHENANTHRENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
PHENOL	< 10	< 10	< 25	< 10	< 10	< 10	< 40
PHORATE		< 50		< 50	< 50		< 200
P-PHENYLENE DIAMINE	< 100	< 100		< 100	< 100	< 100	< 400
PRONAMIDE	< 20	< 20		< 20	< 20	< 20	< 80
PYRENE	< 10	< 10	< 25	< 10	< 10	< 10	< 40
PYRIDINE	< 20	< 20		< 20	< 20	< 20	< 80
SAFROLE	< 20	< 20		< 20	< 20	< 20	< 80
TETRAETHYLDITHIOPYROPHOSPHATE		< 50		< 50	< 50		< 200

Blank Cell=Not Analyzed
See data validation memo for definitions of data qualifiers
SVOCs = Semi Volatile Organic Compounds
GW = Ground Water
QDUP = Duplicate Sample
RERAN = Laboratory Reanalyzed Sample
µg/L = micrograms per liter

The Payne Firm, Inc.

EMD Chemicals Inc.

Norwood Facility
Cincinnati, Ohio
Project No. 0100.58.25

TABLE 8: Ground Water SVOC Results (September 2004 - December 2004)

ANALYTE	MW508 2003-09-05 GW A3I060169005 µg/L	MW508 2004-03-24 GW A4C250250006 µg/L	P001 2003-09-02 GW A3I030288004 µg/L	P001 2004-03-30 GW A4C310291007 µg/L	P001 2004-03-30 GWRERAN A4C310291007 µg/L	P006 2003-09-02 GW A3I030288001 µg/L	P006 2004-04-01 GW A4D020251002 µg/L	P006 2004-04-01 QDUPGW A4D020251004 µg/L
1,2,4,5-TETRACHLOROBENZENE	< 10	< 10		< 10	< 10		< 10	< 10
1,2,4-TRICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-TRINITROBENZENE	< 50	< 50		< 50	< 50		< 50	< 50
1,3-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-DINITROBENZENE	< 10	< 10		< 10	< 10		< 10	< 10
1,4-DICHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-NAPHTHOQUINONE	< 50	< 50		< 50	< 50		< 50	< 50
1-NAPHTHYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
2,2'-OXYBIS(1-CHLOROPROPANE)	< 10		< 10			< 10		
2,3,4,6-TETRACHLOROPHENOL	< 50	< 50		< 50	< 50		< 50	< 50
2,4,5-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-DICHLOROPHENOL	< 10	< 10		< 10	< 10		< 10	< 10
2,6-DINITROTOLUENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-ACETYLAMINOFLUORENE	< 100	< 100		< 100	< 100		< 100	< 100
2-CHLORONAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLNAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-NAPHTHYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
2-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-PICOLINE	< 20	< 20		< 20	< 20		< 20	< 20
2-SEC-BUTYL-4,6-DINITROPHENOL		< 20		< 20	< 20		< 20	< 20
3,3'-DICHLOROBENZIDINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3,3'-DIMETHYLBENZIDINE	< 50	< 50		< 50	< 50		< 50	< 50
3-METHYLCHOLANTHRENE	< 20	< 20		< 20	< 20		< 20	< 20
3-METHYLPHENOL	< 10	< 10		< 10	< 10		< 10	< 10
3-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4,6-DINITRO-2-METHYLPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-AMINOBIPHENYL	< 50	< 50		< 50	< 50		< 50	< 50
4-BROMOPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROANILINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-METHYLPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-NITROANILINE	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROPHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-NITROQUINOLINE-1-OXIDE	< 100	< 100		< 100	< 100		< 100	< 100
5-NITRO-O-TOLUIDINE	< 20	< 20		< 20	< 20		< 20	< 20
7,12-DIMETHYLBENZ(A)ANTHRACENE	< 20	< 20		< 20	< 20		< 20	< 20
A,A-DIMETHYLPHENETHYLAMINE		< 50		< 50	< 50		< 50	< 50
ACENAPHTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ACETOPHENONE	< 10	< 10		< 10	< 10		< 10	< 10
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	< 50							
ANILINE	< 10	< 10		< 10	< 10		< 10	< 10
ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ARAMITE	< 10	< 10		< 10	< 10		< 10	< 10
BENZO(A)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(A)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(B)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(GHI)PERYLENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZO(K)FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BENZYL ALCOHOL	< 10	< 10		< 10	< 10		< 10	< 10
BIS(2-CHLORO-1-METHYLETHYL) ETHER		< 10		< 10	< 10		< 10	< 10
BIS(2-CHLOROETHOXY)METHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL) ETHER	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-ETHYLHEXYL) PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BUTYL BENZYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CARBAZOLE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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CHLOROBENZILATE		< 10		< 10	< 10		< 10	< 10
CHRYSENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIALLATE	< 20	< 20		< 20	< 20		< 20	< 20
DIBENZ(A,H)ANTHRACENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIBENZOFURAN	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIMETHOATE	< 20	< 20		< 20	< 20		< 20	< 20
DIMETHYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-BUTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DI-N-OCTYL PHTHALATE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIPHENYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
DISULFOTON		< 50		< 50	< 50		< 50	< 50
ETHYL METHANESULFONATE	< 10	< 10		< 10	< 10		< 10	< 10
FAMPHUR		< 10		< 10	< 10		< 10	< 10
FLUORANTHENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
HEXACHLOROETHANE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROPROPENE	< 100	< 100		< 100	< 100		< 100	< 100
INDENO(1,2,3-CD)PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOSAFROLE	< 20	< 20		< 20	< 20		< 20	< 20
METHAPYRILENE	< 50	< 50		< 50	< 50		< 50	< 50
METHYL METHANESULFONATE	< 10	< 10		< 10	< 10		< 10	< 10
METHYL PARATHION		< 10		< 10	< 10		< 10	< 10
NAPHTHALENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIETHYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSODIMETHYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSODI-N-BUTYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSODI-N-PROPYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-NITROSOMETHYLETHYLAMINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSOMORPHOLINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSOPIPERIDINE	< 10	< 10		< 10	< 10		< 10	< 10
N-NITROSOPYRROLIDINE	< 10	< 10		< 10	< 10		< 10	< 10
O,O,O-TRIETHYL PHOSPHOROTHIOATE		< 50		< 50	< 50		< 50	< 50
O,O-DIETHYL-O-(2-PYRAZINYL) PHOSPHOROTHIOATE		< 50		< 50	< 50		< 50	< 50
O-TOLUIDINE	< 20	< 20		< 20	< 20		< 20	< 20
PARATHION		< 10		< 10	< 10		< 10	< 10
P-CHLOROBENZILATE	< 10							
P-DIMETHYLAMINOAZOBENZENE	< 20	< 20		< 20	< 20		< 20	< 20
PENTACHLOROBENZENE	< 10	< 10		< 10	< 10		< 10	< 10
PENTACHLOROETHANE	< 50	< 50		< 50	< 50		< 50	< 50
PENTACHLORONITROBENZENE	< 50	< 50		< 50	< 50		< 50	< 50
PENTACHLOROPHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENACETIN	< 20	< 20		< 20	< 20		< 20	< 20
PHENANTHRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHORATE		< 50		< 50	< 50		< 50	< 50
P-PHENYLENE DIAMINE	< 100	< 100		< 100	< 100		< 100	< 100
PRONAMIDE	< 20	< 20		< 20	< 20		< 20	< 20
PYRENE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PYRIDINE	< 20	< 20		< 20	< 20		< 20	< 20
SAFROLE	< 20	< 20		< 20	< 20		< 20	< 20
TETRAETHYLDITHIOPYROPHOSPHATE		< 50		< 50	< 50		< 50	< 50

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