

Appendix Y
Surface Water and Sediment Analytical Data

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS (NO TICS)

MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
SB	7440-36-0	ANTIMONY
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
CN	75-13-8	CYANIDE
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
LI		LITHIUM
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NJ	7440-02-0	NICKEL
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
AG	7440-22-4	SILVER
NA	7440-23-5	SODIUM
TL	7440-28-0	THALLIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC
DDD	72-54-8	4,4'-DDD
DDE	72-55-9	4,4'-DDE
DDT	50-29-3	4,4'-DDT
ADR	309-00-2	ALDRIN
CRA	5103-71-9	ALPHA-CHLORDANE
AR2	12674-11-2	AROCLOR-1016
AR1	11104-28-2	AROCLOR-1221
AR3	11141-16-5	AROCLOR-1232
AR4	53469-21-9	AROCLOR-1242
AR5	12672-29-6	AROCLOR-1248

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AR6	11097-69-1	AROCLOR-1254
AR7	11096-82-5	AROCLOR-1260
BHA	319-84-6	BHC-ALPHA
BHB	319-85-7	BHC-BETA
BHD	319-86-8	BHC-DELTA
BHG	58-89-9	BHC-GAMMA(LINDANE)
DIE	60-57-1	DIELDRIN
ES1	959-98-8	ENDOSULFAN I
ES2	33213-65-9	ENDOSULFAN II
ENS	1031-07-8	ENDOSULFAN SULFATE
END	78-20-8	ENDRIN
EDK	53494-70-5	ENDRIN KETONE
CRG		GAMMA-CHLORDANE
HPC	76-44-8	HEPTACHLOR
HCE	1024-57-3	HEPTACHLOR EPOXIDE
MOC	72-43-5	METHOXYCHLOR
TXP	8001-35-2	TOXAPHENE
124	120-82-1	1,2,4-TRICHLOROBENZENE
12B	95-50-1	1,2-DICHLOROBENZENE
13B	541-73-1	1,3-DICHLOROBENZENE
14B	106-46-7	1,4-DICHLOROBENZENE
245	95-95-4	2,4,5-TRICHLOROPHENOL
246	88-06-2	2,4,6-TRICHLOROPHENOL
24D	120-83-2	2,4-DICHLOROPHENOL
24M	105-67-9	2,4-DIMETHYLPHENOL
24P	51-28-5	2,4-DINITROPHENOL
24T	121-14-2	2,4-DINITROTOLUENE
26T	606-20-2	2,6-DINITROTOLUENE
2CN	91-58-7	2-CHLORONAPHTHALENE
2CP	95-57-8	2-CHLOROPHENOL
2MN	91-57-6	2-METHYLNAPHTHALENE
2MP	95-48-7	2-METHYLPHENOL
2NA	88-74-4	2-NITROANILINE
2NP	88-75-5	2-NITROPHENOL
33B	91-94-1	3,3'-DICHLOROBENZIDINE

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MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
3NA	99-09-2	3-NITROANILINE
462	534-52-1	4,6-DINITRO-2-METHYLPHENOL
4BP	101-55-3	4-BROMOPHENYL PHENYL ETHER
4C3	59-50-7	4-CHLORO-3-METHYLPHENOL
4CA	106-47-8	4-CHLOROANILINE
4CP	7005-72-3	4-CHLOROPHENYL PHENYL ETHER
4MP	106-44-5	4-METHYLPHENOL
4NA	100-01-6	4-NITROANILINE
4NP	100-02-7	4-NITROPHENOL
ACN	83-32-9	ACENAPHTHENE
ACY	208-96-8	ACENAPHTHYLENE
ATR	120-12-7	ANTHRACENE
BAA	56-55-3	BENZO(A)ANTHRACENE
BAP	50-32-8	BENZO(A)PYRENE
BBF	205-99-2	BENZO(B)FLUORANTHENE
BGP	191-24-2	BENZO(GH)PERYLENE
BKF	207-08-9	BENZO(K)FLUORANTHENE
BZA	65-85-0	BENZOIC ACID
BAL	100-51-6	BENZYL ALCOHOL
BBP	85-68-7	BENZYL BUTYL PHTHALATE
BEM	111-91-1	BIS(2-CHLOROETHOXY) METHANE
BET	111-44-4	BIS(2-CHLOROETHYL)ETHER
BIT	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER
BPH	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
CAF	58-08-2	CAFFEINE
CRY	218-01-9	CHRYSENE
DBP	84-74-2	DI-N-BUTYL PHTHALATE
DOP	117-84-0	DI-N-OCTYL PHTHALATE
DBA	53-70-3	DIBENZO(A,H)ANTHRACENE
DBF	132-64-9	DIBENZOFURAN
DEP	84-66-2	DIETHYL PHTHALATE
DMP	131-11-3	DIMETHYL PHTHALATE
FLA	206-44-0	FLUORANTHENE
FLE	86-73-7	FLUORENE
HBE	118-74-1	HEXACHLOROBENZENE

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
HBU	87-68-3	HEXACHLOROBUTADIENE
HCP	77-47-4	HEXACHLOROCYCLOPENTADIENE
HET	67-72-1	HEXACHLOROETHANE
ICP	193-39-5	INDENO(1,2,3-CD)PYRENE
ISP	78-59-1	ISOPHORONE
NPR	621-64-7	N-NITROSODIPROPYLAMINE
NPH	86-30-6	N-NITROSODIPHENYLAMINE
NAP	91-20-3	NAPHTHALENE
NTB	98-95-3	NITROBENZENE
PCP	87-86-5	PENTACHLOROPHENOL
PAN	85-01-8	PHENANTHRENE
PHE	108-95-2	PHENOL
PYR	129-00-0	PYRENE
API	80-56-8	a-PINENE
DLI	5989-27-5	d-LIMONENE
111	71-55-6	1,1,1-TRICHLOROETHANE
11E	79-34-5	1,1,2,2-TETRACHLOROETHANE
112	79-00-5	1,1,2-TRICHLOROETHANE
11A	75-34-3	1,1-DICHLOROETHANE
1DE	75-35-4	1,1-DICHLOROETHENE
D3C		1,2-DIBROMO-3-CHLOROPROPANE
12E		1,2-DIBROMOETHANE
12B	95-50-1	1,2-DICHLOROBENZENE
12A	107-06-2	1,2-DICHLOROETHANE
12P	78-87-5	1,2-DICHLOROPROPANE
13B	541-73-1	1,3-DICHLOROBENZENE
14B	106-46-7	1,4-DICHLOROBENZENE
2BU	78-93-3	2-BUTANONE
2HX	591-78-6	2-HEXANONE
4M2	108-10-1	4-METHYL-2-PENTANONE
ACT	67-64-1	ACETONE
BEN	71-43-2	BENZENE
BCM		BROMOCHLOROMETHANE
BDM	75-27-4	BROMODICHLOROMETHANE
BFM	75-25-2	BROMOFORM

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS (NO TICS)

MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
BRM	74-83-9	BROMOMETHANE
CDS	75-15-0	CARBON DISULFIDE
CCL	56-23-5	CARBON TETRACHLORIDE
CBN	108-90-7	CHLOROBENZENE
CET	75-00-3	CHLOROETHANE
CFM	67-66-3	CHLOROFORM
CLM	74-87-3	CHLOROMETHANE
C12		CIS-1,2-DICHLOROETHYLENE
C13	10061-01-5	CIS-1,3-DICHLOROPROPENE
DBC	124-48-1	DIBROMOCHLOROMETHANE
EBN	100-41-4	ETHYLBENZENE
MCL	75-09-2	METHYLENE CHLORIDE
STY	100-42-5	STYRENE
PCE	127-18-4	TETRACHLOROETHENE
TOL	108-88-3	TOLUENE
T1E	156-60-5	TRANS-1,2-DICHLOROETHENE
T13	10061-02-6	TRANS-1,3-DICHLOROPROPENE
TCE	79-01-6	TRICHLOROETHENE
VC	75-01-4	VINYL CHLORIDE
XY	1330-20-7	XYLENE (TOTAL)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS

MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
S01		GROSS ALPHA, TOTAL
S02		GROSS BETA, TOTAL
S03		RADIUM 226, TOTAL
S04		RADIUM 228, TOTAL
S05		THORIUM 230, TOTAL
S06		THORIUM 232, TOTAL
S07		URANIUM 234, TOTAL
S08		URANIUM 235, TOTAL
S09		URANIUM 238, TOTAL

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

Volatile Organics

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SURFACE WATER
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: VORG

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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
CFM	CHLOROFORM	UG/L	8	1	0.1250	3.000	3.000	3.000	0.000
C12	CIS-1,2-DICHLOROETHYLENE	UG/L	8	1	0.1250	3.000	3.000	3.000	0.000
DBC	DIBROMOCHLOROMETHANE	UG/L	8	1	0.1250	0.500	0.500	0.500	0.000
TOL	TOLUENE	UG/L	8	2	0.2500	0.800	2.000	1.400	0.600

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SAMPLE ID:	00000	00000	00000	00000	00000
SUB-SAMPLE ID:	SW01	SW02	SW03	SW04	SW05
STATION ID:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE DATE:					
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
1,1,1-TRICHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,1,2,2-TETRACHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,1,2-TRICHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,1-DICHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,1-DICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY
1,2-DIBROMO-3-CHLOROPROPANE UG/L	UYR	1UY	UYR	UYR	UYR
1,2-DIBROMOETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,2-DICHLOROBENZENE UG/L	1UY	1UY	1UY	1UY	1UY
1,2-DICHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
1,2-DICHLOROPROPANE UG/L	1UY	1UYJ	1UY	1UY	1UY
1,3-DICHLOROBENZENE UG/L	1UY	1UY	1UY	1UY	1UY
1,4-DICHLOROBENZENE UG/L	1UY	1UY	1UY	1UY	1UY
2-BUTANONE UG/L	UYR	5UYJ	UYR	UYR	UYR
2-HEXANONE UG/L	5UY	5UYJ	5UY	5UY	5UY
4-METHYL-2-PENTANONE UG/L	5UY	5UYJ	5UY	5UY	5UY
ACETONE UG/L	UYR	1UYJ	UYR	UYR	UYR
BENZENE UG/L	1UY	1UY	1UY	1UY	1UY
BROMOCHLOROMETHANE UG/L	1UY	1UY	1UY	1UY	1UY
BROMODICHLOROMETHANE UG/L	1UY	1UY	1UY	1UY	1UY
BROMOFORM UG/L	1UY	1UY	1UY	1UY	1UY
BROMOMETHANE UG/L	1UY	1UY	1UY	1UY	1UY
CARBON DISULFIDE UG/L	1UY	1UY	1UY	1UY	1UY
CARBON TETRACHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY
CHLOROBENZENE UG/L	1UY	1UY	1UY	1UY	1UY
CHLOROETHANE UG/L	1UY	1UY	1UY	1UY	1UY
CHLOROFORM UG/L	1UY	1UY	1UY	1UY	1UY
CHLOROMETHANE UG/L	1UY	1UY	1UY	1UY	1UY
CIS-1,2-DICHLOROETHYLENE UG/L	1UY	3DY	1UY	1UY	1UY
CIS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY	1UY	1UY
DIBROMOCHLOROMETHANE UG/L	1UY	1UY	1UY	1UY	1UY

NNN- / XXABCCDD POSITIONALLY N=VALUE, (-/ XX=ERROR FACTOR FOR RAUS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=reasonable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SAMPLE ID:	00000	00000	00000	00000	00000
SUB-SAMPLE ID:	SW01	SW02	SW03	SW04	SW05
STATION ID:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE DATE:					
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
ETHYLBENZENE UG/L	1UY	1UY	1UY	1UY	1UY
METHYLENE CHLORIDE UG/L	2UY	2UY	2UY	2UY	2UY
STYRENE UG/L	1UY	1UY	1UY	1UY	1UY
TETRACHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY
TOLUENE UG/L	20Y	0.80YJ	1UY	1UY	1UY
TRANS-1,2-DICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY
TRANS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY	1UY	1UY
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	1UY	1UY	1UY	1UY	1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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SAMPLE ID:	SW06-01	SW06D-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
1,1,1-TRICHLOROETHANE UG/L	1UY	1UY	1UY
1,1,2,2-TETRACHLOROETHANE UG/L	1UY	1UY	1UY
1,1,2-TRICHLOROETHANE UG/L	1UY	1UY	1UY
1,1-DICHLOROETHANE UG/L	1UY	1UY	1UY
1,1-DICHLOROETHENE UG/L	1UY	1UY	1UY
1,2-DIBROMO-3-CHLOROPROPANE UG/L	UYR	UYR	UYR
1,2-DIBROMOETHANE UG/L	1UY	1UY	1UY
1,2-DICHLOROBENZENE UG/L	1UY	1UY	1UY
1,2-DICHLOROETHANE UG/L	1UY	1UY	1UY
1,2-DICHLOROPROPANE UG/L	1UY	1UY	1UY
1,3-DICHLOROBENZENE UG/L	1UY	1UY	1UY
1,4-DICHLOROBENZENE UG/L	1UY	1UY	1UY
2-BUTANONE UG/L	UYR	UYR	UYR
2-HEXANONE UG/L	5UY	5UY	5UY
4-METHYL-2-PENTANONE UG/L	5UY	5UY	5UY
ACETONE UG/L	UYR	UYR	UYR
BENZENE UG/L	1UY	1UY	1UY
BROMOCHLOROMETHANE UG/L	1UY	1UY	1UY
BROMODICHLOROMETHANE UG/L	1UY	1UY	1UY
BROMOFORM UG/L	1UY	1UY	1UY
BROMOMETHANE UG/L	1UY	1UY	1UY
CARBON DISULFIDE UG/L	1UY	1UY	1UY
CARBON TETRACHLORIDE UG/L	1UY	1UY	1UY
CHLOROBENZENE UG/L	1UY	1UY	1UY
CHLOROETHANE UG/L	1UY	1UY	1UY
CHLOROFORM UG/L	1UY	1UY	3DY
CHLOROMETHANE UG/L	1UY	1UY	1UY
CIS-1,2-DICHLOROETHYLENE UG/L	1UY	1UY	1UY
CIS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY
DIBROMOCHLOROMETHANE UG/L	1UY	1UY	0.5DYJ

NNL+/ XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = Less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 IN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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SAMPLE ID:	SW06-01	SW06D-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
ETHYLBENZENE UG/L	1UY	1UY	1UY
METHYLENE CHLORIDE UG/L	2UY	2UY	2UY
STYRENE UG/L	1UY	1UY	1UY
TETRACHLOROETHENE UG/L	1UY	1UY	1UY
TOLUENE UG/L	1UY	1UY	1UY
TRANS-1,2-DICHLOROETHENE UG/L	1UY	1UY	1UY
TRANS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY
TRICHLOROETHENE UG/L	1UY	1UY	1UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	1UY	1UY	1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Semivolatile Organics

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SURFACE WATER
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: SVOL

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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
BBP	BENZYL BUTYL PHTHALATE	UG/L	8	1	0.1250	120.000	120.000	120.000	0.000
BPH	BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	8	2	0.2500	2.000	120.000	61.000	59.000
DBP	DI-N-BUTYL PHTHALATE	UG/L	8	1	0.1250	1.000	1.000	1.000	0.000
DOP	DI-N-OCTYL PHTHALATE	UG/L	8	1	0.1250	18.000	18.000	18.000	0.000
FLA	FLUORANTHENE	UG/L	8	1	0.1250	2.000	2.000	2.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SW01	SW02	SW03	SW04	SW05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
1,2,4-TRICHLOROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
1,2-DICHLOROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
1,3-DICHLOROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
1,4-DICHLOROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	100UYJ	100UY	50UY	100UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
2,4-DICHLOROPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
2,4-DIMETHYLPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
2,4-DINITROPHENOL UG/L	100UYJ	100UY	50UY	100UY	50UY
2,4-DINITROTOLUENE UG/L	20UYJ	20UY	10UY	20UY	10UY
2,6-DINITROTOLUENE UG/L	20UYJ	20UY	10UY	20UY	10UY
2-CHLORONAPHTHALENE UG/L	20UYJ	20UY	10UY	20UY	10UY
2-CHLOROPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
2-METHYLNAPHTHALENE UG/L	20UYJ	20UY	10UY	20UY	10UY
2-METHYLPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
2-NITROANILINE UG/L	100UYJ	100UY	50UY	100UY	50UY
2-NITROPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	80UYJ	40UY	20UY	40UY	20UY
3-NITROANILINE UG/L	100UYJ	100UY	50UY	100UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	100UYJ	100UY	50UY	100UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	20UYJ	20UY	10UY	20UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
4-CHLOROANILINE UG/L	20UYJ	20UY	10UY	20UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	20UYJ	20UY	10UY	20UY	10UY
4-METHYLPHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
4-NITROANILINE UG/L	100UYJ	100UY	50UY	100UY	50UY
4-NITROPHENOL UG/L	100UYJ	100UY	50UY	100UY	50UY
ACENAPHTHENE UG/L	20UYJ	20UY	10UY	20UY	10UY
ACENAPHTHYLENE UG/L	20UYJ	20UY	10UY	20UY	10UY
ANTHRACENE UG/L	20UYJ	20UY	10UY	20UY	10UY

NNN+/XXABCCDD POSITIONALLY N=VALUE, (+/- XX=ERROR FACTOR FOR RAUS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 02/25/93
 PAGE: 2

SAMPLE ID:	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SW01	SW02	SW03	SW04	SW05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
BENZO(A)ANTHRACENE UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZO(A)PYRENE UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZO(B)FLUORANTHENE UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZO(GH)PERYLENE UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZO(K)FLUORANTHENE UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZOIC ACID UG/L	100UYJ	100UY	50UY	100UY	50UY
BENZYL ALCOHOL UG/L	20UYJ	20UY	10UY	20UY	10UY
BENZYL BUTYL PHTHALATE UG/L	20UYJ	20UY	10UY	20UY	120UY
BIS(2-CHLOROETHOXY) METHANE UG/L	20UYJ	20UY	10UY	20UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	20UYJ	20UY	10UY	20UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	20UYJ	20UY	10UY	20UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	20UYJ	35UY	10UY	20UY	120UY
CAFFEINE UG/L	20UYJ	20UY	10UY	20UY	10UY
CHRYSENE UG/L	20UYJ	20UY	10UY	20UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10YJ	20UY	10UY	20UY	10UY
DI-N-OCTYL PHTHALATE UG/L	20UYJ	20UY	10UY	20UY	180Y
DIBENZO(A,H)ANTHRACENE UG/L	20UYJ	20UY	10UY	20UY	10UY
DIBENZOFURAN UG/L	20UYJ	20UY	10UY	20UY	10UY
DIETHYL PHTHALATE UG/L	20UYJ	20UY	10UY	20UY	10UY
DIMETHYL PHTHALATE UG/L	20UYJ	20UY	10UY	20UY	10UY
FLUORANTHENE UG/L	20YJ	20UY	10UY	20UY	10UY
FLUORENE UG/L	20UYJ	20UY	10UY	20UY	10UY
HEXACHLOROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
HEXACHLOROBUTADIENE UG/L	20UYJ	20UY	10UY	20UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	20UYJ	20UY	10UY	20UY	10UY
HEXACHLOROETHANE UG/L	20UYJ	20UY	10UY	20UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	20UYJ	20UY	10UY	20UY	10UY
ISOPHORONE UG/L	20UYJ	20UY	10UY	20UY	10UY
N-NITROSODINPROPYLAMINE UG/L	20UYJ	20UY	10UY	20UY	10UY
N-NITROSODIPHENYLAMINE UG/L	20UYJ	20UY	10UY	20UY	10UY

NNN/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 02/25/93
 PAGE: 3

	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SAMPLE ID:	00000	00000	00000	00000	00000
SUB-SAMPLE ID:	SW01	SW02	SW03	SW04	SW05
STATION ID:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE DATE:					
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
NAPHTHALENE UG/L	20UYJ	20UY	10UY	20UY	10UY
NITROBENZENE UG/L	20UYJ	20UY	10UY	20UY	10UY
PENTACHLOROPHENOL UG/L	100UYJ	100UY	50UY	100UY	50UY
PHENANTHRENE UG/L	20UYJ	20UY	10UY	20UY	10UY
PHENOL UG/L	20UYJ	20UY	10UY	20UY	10UY
PYRENE UG/L	20UYJ	20UY	10UY	20UY	10UY
a-PINENE UG/L	20UYJ	20UY	10UY	20UY	10UY
d-LIMONENE UG/L	20UYJ	20UY	10UY	20UY	10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/- XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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 02/25/93
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SAMPLE ID:	SW06-01	SW060-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW060	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	10UY
1,3-DICHLOROBENZENE UG/L	10UY	10UY	10UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	10UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	10UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	10UY
2-CHLOROPHENOL UG/L	10UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY	10UY	10UY
2-NITROANILINE UG/L	50UY	50UY	50UY
2-NITROPHENOL UG/L	10UY	10UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	20UY
3-NITROANILINE UG/L	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY	10UY	10UY
4-NITROANILINE UG/L	50UY	50UY	50UY
4-NITROPHENOL UG/L	50UY	50UY	50UY
ACENAPHTHENE UG/L	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY	10UY	10UY
ANTHRACENE UG/L	10UY	10UY	10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 02/25/93
 PAGE: 5

SAMPLE ID:	SW06-01	SW060-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW060	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
BENZO(A)ANTHRACENE UG/L	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY	10UY	10UY
BENZO(GH)PERYLENE UG/L	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY	10UY	10UY
BENZOIC ACID UG/L	50UY	50UY	50UY
BENZYL ALCOHOL UG/L	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UY	10UY	20YJ
CAFFEINE UG/L	10UY	10UY	10UY
CHRYSENE UG/L	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	10UY
DIBENZOFURAN UG/L	10UY	10UY	10UY
DIETHYL PHTHALATE UG/L	10UY	10UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	10UY
FLUORANTHENE UG/L	10UY	10UY	10UY
FLUORENE UG/L	10UY	10UY	10UY
HEXACHLOROBENZENE UG/L	10UY	10UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	10UY
HEXACHLOROETHANE UG/L	10UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	10UY
ISOPHORONE UG/L	10UY	10UY	10UY
N-NITROSDIPROPYLAMINE UG/L	10UY	10UY	10UY
N-NITROSDIPHENYLAMINE UG/L	10UY	10UY	10UY

NNN+/ XXABCCDD POSITIONALLY N=VALUE, (+/ XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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 02/25/93
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SAMPLE ID:	SW06-01	SW06D-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
NAPHTHALENE UG/L	10UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY
<hr/>			
PYRENE UG/L	10UY	10UY	10UY
a-PINENE UG/L	10UY	10UY	10UY
d-LIMONENE UG/L	10UY	10UY	10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Pesticides and PCBs

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SURFACE WATER
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: PEST

EDMS-009
 12/16/92
 PAGE: 2

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
BHG	BHC-GAMMA(LINDANE)	UG/L	8	1	0.1250	0.070	0.070	0.070	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

EDMS-001
 02/25/93
 PAGE: 1

SAMPLE ID:	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SW01	SW02	SW03	SW04	SW05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
4,4'-DDD UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
4,4'-DDE UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
4,4'-DDT UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
ALDRIN UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
ALPHA-CHLORDANE UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1016 UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1221 UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1232 UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1242 UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1248 UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1254 UG/L	10UY	1UY	1UY	1UY	1UY
AROCLOR-1260 UG/L	10UY	1UY	1UY	1UY	1UY
BHC-ALPHA UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
BHC-BETA UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
BHC-DELTA UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.5UY	0.05UY	0.05UY	0.07UY	0.05UY
DIELDRIN UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
ENDOSULFAN I UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
ENDOSULFAN II UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
ENDOSULFAN SULFATE UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
ENDRIN UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
ENDRIN KETONE UG/L	1UY	0.1UY	0.1UY	0.1UY	0.1UY
GAMMA-CHLORDANE UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
HEPTACHLOR UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
HEPTACHLOR EPOXIDE UG/L	0.5UY	0.05UY	0.05UY	0.05UY	0.05UY
METHOXYCHLOR UG/L	5UY	0.5UY	0.5UY	0.5UY	0.5UY
TOXAPHENE UG/L	10UY	1UY	1UY	1UY	1UY

NNN = XXABCCDD POSITIONALLY N=VALUE, (X=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=reasonable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

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 02/25/93
 PAGE: 2

SAMPLE ID:	SW06-01	SW06D-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY
4,4'-DDE UG/L	0.1UY	0.1UY	0.1UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY
ALDRIN UG/L	0.05UY	0.05UY	0.05UY
ALPHA-CHLORDANE UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1221 UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1232 UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1248 UG/L	0.5UY	0.5UY	0.5UY
AROCLOR-1254 UG/L	1UY	1UY	1UY
AROCLOR-1260 UG/L	1UY	1UY	1UY
BHC-ALPHA UG/L	0.05UY	0.05UY	0.05UY
BHC-BETA UG/L	0.05UY	0.05UY	0.05UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.05UY	0.05UY	0.05UY
DIELDRIN UG/L	0.1UY	0.1UY	0.1UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.05UY
ENDOSULFAN II UG/L	0.1UY	0.1UY	0.1UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY
ENDRIN UG/L	0.1UY	0.1UY	0.1UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY
GAMMA-CHLORDANE UG/L	0.5UY	0.5UY	0.5UY
HEPTACHLOR UG/L	0.05UY	0.05UY	0.05UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.05UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.5UY
TOXAPHENE UG/L	1UY	1UY	1UY

NNN+/ XXABCCDD POSITIONALLY N-VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Metals and Cyanide

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SURFACE WATER
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: METAL

EDMS-009
 12/16/92
 PAGE: 1

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
AL	ALUMINUM	UG/L	8	8	1.0000	263.000	8,370.000	1,526.875	2,607.979
SB	ANTIMONY	UG/L	8	1	0.1250	7.300	7.300	7.300	0.000
AS	ARSENIC	UG/L	8	5	0.6250	3.100	12.800	6.300	3.397
BA	BARIUM	UG/L	8	8	1.0000	17.000	238.000	73.750	65.238
CA	CALCIUM	UG/L	8	8	1.0000	6,480.000	104,000.000	60,547.500	34,679.717
CU	COPPER	UG/L	8	4	0.5000	10.000	54.000	24.000	17.720
CN	CYANIDE	UG/L	8	5	0.6250	7.200	17.800	13.160	4.228
FE	IRON	UG/L	8	8	1.0000	723.000	10,100.000	2,720.375	2,858.955
PB	LEAD	UG/L	8	8	1.0000	4.200	184.000	37.488	56.795
LI	LITHIUM	UG/L	8	5	0.6250	14.000	38.000	26.200	9.908
MG	MAGNESIUM	UG/L	8	8	1.0000	904.000	8,810.000	6,183.000	2,885.535
MN	MANGANESE	UG/L	8	8	1.0000	77.000	915.000	340.500	266.548
HG	MERCURY	UG/L	8	1	0.1250	0.230	0.230	0.230	0.000
K	POTASSIUM	UG/L	8	8	1.0000	1,810.000	6,250.000	4,052.500	1,476.362
NA	SODIUM	UG/L	8	8	1.0000	3,210.000	31,700.000	23,978.750	11,856.058
V	VANADIUM	UG/L	1	1	1.0000	16.000	16.000	16.000	0.000
ZN	ZINC	UG/L	8	8	1.0000	6.000	470.000	95.500	145.147

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICs)
 SAMPLE ANALYSIS: INORGANICS

EDMS-001
 02/25/93
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SAMPLE ID:	SW01-01	SW02-01	SW03-01	SW04-01	SW05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SW01	SW02	SW03	SW04	SW05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	83700Y	2960Y	2630Y	11300Y	4730Y
ANTIMONY UG/L	7.30YJ	7UY	7UY	7UY	7UY
ARSENIC UG/L	12.80YJ	3.10YJ	2UYJ	6.20YJ	2UY
BARIUM UG/L	2380Y	170YJ	630YJ	840YJ	330YJ
BERYLLIUM UG/L	2UY	2UY	2UY	2UY	2UY
CADMIUM UG/L	DYR	UYR	UYR	UYR	DYR
CALCIUM UG/L	1040000Y	64800YJ	965000Y	855000Y	171000Y
CHROMIUM UG/L	DYR	6UY	UYR	DYR	UYR
COBALT UG/L	UYR	12UY	UYR	UYR	UYR
COPPER UG/L	540Y	22UY	7UY	120YJ	100YJ
CYANIDE UG/L	5UYJ	5UY	160YJ	15.80YJ	5UYJ
IRON UG/L	101000Y	7230Y	13300Y	22600Y	28200Y
LEAD UG/L	1840Y	9.60Y	10.40Y	32.60Y	11.90Y
LITHIUM UG/L	140YJ	9UY	170YJ	250Y	9UYJ
MAGNESIUM UG/L	82800Y	9040YJ	81900Y	88100Y	16900YJ
MANGANESE UG/L	9150Y	850YJ	3130Y	5590Y	1060Y
MERCURY UG/L	0.230Y	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	DYR	9UY	UYR	UYR	UYR
POTASSIUM UG/L	54800Y	18100YJ	33100YJ	62500Y	31200YJ
SELENIUM UG/L	UYR	1UYJ	UYR	UYR	UYR
SILVER UG/L	1UYJ	1UY	1UYJ	1UYJ	1UYJ
SODIUM UG/L	298000Y	37200YJ	309000Y	308000Y	32100YJ
THALLIUM UG/L	2UY	2UY	2UY	2UY	2UY
VANADIUM UG/L	DYR	160YJ	UYR	DYR	UYR
ZINC UG/L	4700Y	310YJ	160YJ	510Y	750Y

NNN+/- XXABCCCC POSITIONALLY N-VALUE, (+/- XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=reasonable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: INORGANICS

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 02/25/93
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SAMPLE ID:	SW06-01	SW06D-01	SW07-01
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	SW06	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			

ALUMINUM UG/L	320DY	283DY	1080DY
ANTIMONY UG/L	7UY	7UY	7UY
ARSENIC UG/L	4.9DYJ	4.5DYJ	2UYJ
BARIUM UG/L	43DYJ	42DYJ	70DYJ
BERYLLIUM UG/L	2UY	2UY	2UY

CADMIUM UG/L	DYR	UYR	DYR
CALCIUM UG/L	72400DY	69800DY	32600DY
CHROMIUM UG/L	UYR	UYR	DYR
COBALT UG/L	UYR	UYR	UYR
COPPER UG/L	7UY	7UY	20DYJ

CYANIDE UG/L	9DYJ	7.2DYJ	17.8DYJ
IRON UG/L	1270DY	1240DY	2020DY
LEAD UG/L	5.5DY	4.2DY	41.7DY
LITHIUM UG/L	38DY	37DY	9UYJ
MAGNESIUM UG/L	7430DY	7260DY	6900DY

MANGANESE UG/L	340DY	329DY	77DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY
NICKEL UG/L	UYR	UYR	UYR
POTASSIUM UG/L	5040DY	4910DYJ	2500DYJ
SELENIUM UG/L	UYR	UYR	UYR

SILVER UG/L	1UYJ	1UYJ	1UYJ
SODIUM UG/L	31700DY	30400DY	31300DY
THALLIUM UG/L	2UY	2UY	2UY
VANADIUM UG/L	UYR	UYR	UYR
ZINC UG/L	10DYJ	6DYJ	105DY

NNN+/ XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 Jk = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Radionuclides

Glossary of Data Qualifier Codes and Definitions Used for Radiological Data

Definitions of data qualifiers used for organic and inorganic analytical data are defined at the bottom of each data sheet. The definitions for the data qualifiers for the radiological data, however, are different. The following definitions should, therefore, be used for radiological data qualifiers.:

- U - The parameter was analyzed for, but was not detected above the level of the associated value. The associated value is either the minimum detectable activity (MDA) or the sample-specific lower limit of detection (LLD), or the observed value.
- J - The associated value is estimated because one or more quality acceptance criteria were not met.
- UJ - The parameter was analyzed for but was not detected. The nondetection could be due to one or more quality control problems. The associated value is an estimated MDA or LLD, or observed value.
- H - Holding times exceeded.
- D - Duplicate precision criteria not met.
- S - Matrix spike recovery criteria not met.
- C - Calibration criteria not met.
- B - Blank contamination present.

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SURFACE WATER
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: RAD

EDMS-009
 01/29/93
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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
S01	GROSS ALPHA, TOTAL	PCI/L	8	2	0.2500	7.200	9.300	8.250	1.050
S02	GROSS BETA, TOTAL	PCI/L	8	7	0.8750	4.500	22.300	10.814	6.032
S03	RADIUM 226, TOTAL	PCI/L	8	7	0.8750	0.800	2.600	1.571	0.616
S04	RADIUM 228, TOTAL	PCI/L	8	0	0.0000	0.000	0.000	0.000	0.000
S05	THORIUM 230, TOTAL	PCI/L	8	5	0.6250	0.600	2.100	1.040	0.539
S06	THORIUM 232, TOTAL	PCI/L	8	0	0.0000	0.000	0.000	0.000	0.000
S07	URANIUM 234, TOTAL	PCI/L	8	0	0.0000	0.000	0.000	0.000	0.000
S08	URANIUM 235, TOTAL	PCI/L	8	1	0.1250	1.800	1.800	1.800	0.000
S09	URANIUM 238, TOTAL	PCI/L	8	0	0.0000	0.000	0.000	0.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS

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	SAMPLE ID: SUB-SAMPLE ID: STATION ID: SAMPLE DATE: SAMPLE TIME: SAMPLE MATRIX: UPPER DEPTH: LOWER DEPTH:	SW01-01 00000 SW01 07/21/1992 SW	SW02-01 00000 SW02 07/24/1992 SW	SW03-01 00000 SW03 07/20/1992 SW
GROSS ALPHA, TOTAL PCI/L		6UY	0.3UY	6.6UY
GROSS BETA, TOTAL PCI/L		13.1 +/- 6.3DY	4.5 +/- 1.9DY	5.6 +/- 3.6DY
RADIUM 226, TOTAL PCI/L		2.6 +/- 1.9DY	1.2 +/- 1DY	1 +/- 0.5DY
RADIUM 228, TOTAL PCI/L		5.2UYJB	0.9UYJB	0.9UY
THORIUM 230, TOTAL PCI/L		2.1 +/- 1.6DY	0.3UY	0.6 +/- 0.4DY
THORIUM 232, TOTAL PCI/L		1UY	0.4UY	0.9UY
URANIUM 234, TOTAL PCI/L		7.7UYJS	1.3UY	5.1UYJS
URANIUM 235, TOTAL PCI/L		1.4UYJSD	0.1UY	0.9UYJSD
URANIUM 238, TOTAL PCI/L		7.4UYJS	1.3UY	4.9UYJS

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS

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SAMPLE ID:	SW04-01	SW05-01	SW06-01
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	SW04	SW05	SW06
SAMPLE DATE:	07/21/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA, TOTAL PCI/L	0.6UY	2.9UY	9.3 +/- 60Y
GROSS BETA, TOTAL PCI/L	15.6 +/- 5.6DY	2.9UY	6.1 +/- 3.8DY
RADIUM 226, TOTAL PCI/L	1.6 +/- 0.7DY	0.3UY	2.3 +/- 0.8DY
RADIUM 228, TOTAL PCI/L	3.3UY	1.5UY	0.2UY
THORIUM 230, TOTAL PCI/L	0.9 +/- 0.5DY	0.3UY	0.2UY
THORIUM 232, TOTAL PCI/L	1UY	1UY	0.7UY
URANIUM 234, TOTAL PCI/L	1.6UY	5.4UYJS	3.6UY
URANIUM 235, TOTAL PCI/L	0.2UYJD	1.8 +/- 1.3DYJSD	0.6UYJSD
URANIUM 238, TOTAL PCI/L	0.3UY	5.2UYJS	3.4UYJS

NNN/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER
ALL OBSERVATIONS

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SAMPLE ID:	SW06D-01	SW07-01
SUB-SAMPLE ID:	DUP	00000
STATION ID:	SW06D	SW07
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SW	SW
UPPER DEPTH:		
LOWER DEPTH:		
GROSS ALPHA, TOTAL PCI/L	7.2 +/- 5DY	3.1UY
GROSS BETA, TOTAL PCI/L	8.5 +/- 3.6DY	22.3 +/- 4.8DY
RADIUM 226, TOTAL PCI/L	1.5 +/- 0.6DY	0.8 +/- 0.5DY
RADIUM 228, TOTAL PCI/L	3.3UY	0.4UY
THORIUM 230, TOTAL PCI/L	0.8 +/- 0.4DY	0.8 +/- 0.4DY
<hr/>		
THORIUM 232, TOTAL PCI/L	0.8UY	0.7UY
URANIUM 234, TOTAL PCI/L	1.9UY	4.7UY
URANIUM 235, TOTAL PCI/L	0.3UYJD	0.6UYJSD
URANIUM 238, TOTAL PCI/L	1.9UY	4.5UYJS

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Field Equipment Rinse Blank and
Trip Blank - Surface Water

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER (BLANKS)
ALL OBSERVATIONS (NO TICS)

MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
SB	7440-36-0	ANTIMONY
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
CN	75-13-8	CYANIDE
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
LI		LITHIUM
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NI	7440-02-0	NICKEL
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
AG	7440-22-4	SILVER
NA	7440-23-5	SODIUM
TL	7440-28-0	THALLIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC
DDD	72-54-8	4,4'-DDD
DDE	72-55-9	4,4'-DDE
DDT	50-29-3	4,4'-DDT
ADR	309-00-2	ALDRIN
CRA	5103-71-9	ALPHA-CHLORDANE
AR2	12674-11-2	AROCLOR-1016
AR1	11104-28-2	AROCLOR-1221
AR3	11141-16-5	AROCLOR-1232
AR4	53469-21-9	AROCLOR-1242
AR5	12672-29-6	AROCLOR-1248

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AR6	11097-69-1	AROCLOR-1254
AR7	11096-82-5	AROCLOR-1260
BHA	319-84-6	BHC-ALPHA
BHB	319-85-7	BHC-BETA
BHD	319-86-8	BHC-DELTA
BHG	58-89-9	BHC-GAMMA(LINDANE)
DIE	60-57-1	DIELDRIN
ES1	959-98-8	ENDOSULFAN I
ES2	33213-65-9	ENDOSULFAN II
ENS	1031-07-8	ENDOSULFAN SULFATE
END	78-20-8	ENDRIN
EDK	53494-70-5	ENDRIN KETONE
CRG		GAMMA-CHLORDANE
HPC	76-44-8	HEPTACHLOR
HCE	1024-57-3	HEPTACHLOR EPOXIDE
MOC	72-43-5	METHOXYCHLOR
TXP	8001-35-2	TOXAPHENE
124	120-82-1	1,2,4-TRICHLOROBENZENE
128	95-50-1	1,2-DICHLOROBENZENE
138	541-73-1	1,3-DICHLOROBENZENE
148	106-46-7	1,4-DICHLOROBENZENE
245	95-95-4	2,4,5-TRICHLOROPHENOL
246	88-06-2	2,4,6-TRICHLOROPHENOL
24D	120-83-2	2,4-DICHLOROPHENOL
24M	105-67-9	2,4-DIMETHYLPHENOL
24P	51-28-5	2,4-DINITROPHENOL
24T	121-14-2	2,4-DINITROTOLUENE
26T	606-20-2	2,6-DINITROTOLUENE
2CN	91-58-7	2-CHLORONAPHTHALENE
2CP	95-57-8	2-CHLOROPHENOL
2MN	91-57-6	2-METHYLNAPHTHALENE
2MP	95-48-7	2-METHYLPHENOL
2NA	88-74-4	2-NITROANILINE
2NP	88-75-5	2-NITROPHENOL
338	91-94-1	3,3'-DICHLOROBENZIDINE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
3NA	99-09-2	3-NITROANILINE
462	534-52-1	4,6-DINITRO-2-METHYLPHENOL
4BP	101-55-3	4-BROMOPHENYL PHENYL ETHER
4C3	59-50-7	4-CHLORO-3-METHYLPHENOL
4CA	106-47-8	4-CHLOROANILINE
4CP	7005-72-3	4-CHLOROPHENYL PHENYL ETHER
4MP	106-44-5	4-METHYLPHENOL
4NA	100-01-6	4-NITROANILINE
4NP	100-02-7	4-NITROPHENOL
ACN	83-32-9	ACENAPHTHENE
ACY	208-96-8	ACENAPHTHYLENE
ATR	120-12-7	ANTHRACENE
BAA	56-55-3	BENZO(A)ANTHRACENE
BAP	50-32-8	BENZO(A)PYRENE
BBF	205-99-2	BENZO(B)FLUORANTHENE
BGP	191-24-2	BENZO(GHI)PERYLENE
BKF	207-08-9	BENZO(K)FLUORANTHENE
BZA	65-85-0	BENZOIC ACID
BAL	100-51-6	BENZYL ALCOHOL
BBP	85-68-7	BENZYL BUTYL PHTHALATE
BEM	111-91-1	BIS(2-CHLOROETHOXY) METHANE
BET	111-44-4	BIS(2-CHLOROETHYL)ETHER
BIT	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER
BPH	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
CAF	58-08-2	CAFFEINE
CRY	218-01-9	CHRYSENE
OBP	84-74-2	DI-N-BUTYL PHTHALATE
DOP	117-84-0	DI-N-OCTYL PHTHALATE
DBA	53-70-3	DIBENZO(A,H)ANTHRACENE
DBF	132-64-9	DIBENZOFURAN
DEP	84-66-2	DIETHYL PHTHALATE
DMP	131-11-3	DIMETHYL PHTHALATE
FLA	206-44-0	FLUORANTHENE
FLE	86-73-7	FLUORENE
HBE	118-74-1	HEXACHLOROBENZENE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
HBU	87-68-3	HEXACHLOROBUTADIENE
HCP	77-47-4	HEXACHLOROCYCLOPENTADIENE
HET	67-72-1	HEXACHLOROETHANE
ICP	193-39-5	INDENO(1,2,3-CD)PYRENE
ISP	78-59-1	ISOPHORONE
NPR	621-64-7	N-NITROSODINPROPYLAMINE
NPH	86-30-6	N-NITROSODIPHENYLAMINE
NAP	91-20-3	NAPHTHALENE
NTB	98-95-3	NITROBENZENE
PCP	87-86-5	PENTACHLOROPHENOL
PAN	85-01-8	PHENANTHRENE
PHE	108-95-2	PHENOL
PYR	129-00-0	PYRENE
API	80-56-8	α-PINENE
DLI	5989-27-5	d-LIMONENE
111	71-55-6	1,1,1-TRICHLOROETHANE
11E	79-34-5	1,1,2,2-TETRACHLOROETHANE
112	79-00-5	1,1,2-TRICHLOROETHANE
11A	75-34-3	1,1-DICHLOROETHANE
1DE	75-35-4	1,1-DICHLOROETHENE
D3C		1,2-DIBROMO-3-CHLOROPROPANE
12E		1,2-DIBROMOETHANE
12B	95-50-1	1,2-DICHLOROBENZENE
12A	107-06-2	1,2-DICHLOROETHANE
12P	78-87-5	1,2-DICHLOROPROPANE
13B	541-73-1	1,3-DICHLOROBENZENE
14B	106-46-7	1,4-DICHLOROBENZENE
2BU	78-93-3	2-BUTANONE
2HX	591-78-6	2-HEXANONE
4M2	108-10-1	4-METHYL-2-PENTANONE
ACT	67-64-1	ACETONE
BEN	71-43-2	BENZENE
BCM		BROMOCHLOROMETHANE
BDM	75-27-4	BROMODICHLOROMETHANE
BFM	75-25-2	BROMOFORM

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER (BLANKS)
ALL OBSERVATIONS (NO TICS)

MATRIX REPORT CHEMICAL LISTING

EDMS-001
12/16/92
PAGE: 5

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
BRM	74-83-9	BROMOMETHANE
CDS	75-15-0	CARBON DISULFIDE
CCL	56-23-5	CARBON TETRACHLORIDE
CBN	108-90-7	CHLOROBENZENE
CET	75-00-3	CHLOROETHANE
CFM	67-66-3	CHLOROFORM
CLM	74-87-3	CHLOROMETHANE
C12		CIS-1,2-DICHLOROETHYLENE
C13	10061-01-5	CIS-1,3-DICHLOROPROPENE
DBC	124-48-1	DIBROMOCHLOROMETHANE
EBN	100-41-4	ETHYLBENZENE
MCL	75-09-2	METHYLENE CHLORIDE
STY	100-42-5	STYRENE
PCE	127-18-4	TETRACHLOROETHENE
TOL	108-88-3	TOLUENE
T1E	156-60-5	TRANS-1,2-DICHLOROETHENE
T13	10061-02-6	TRANS-1,3-DICHLOROPROPENE
TCE	79-01-6	TRICHLOROETHENE
VC	75-01-4	VINYL CHLORIDE
XY	1330-20-7	XYLENE (TOTAL)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL SUMMARY STATISTICS
SETPAN MAYWOOD - SURFACE WATER (BLANKS)
DETECTED OBSERVATIONS ONLY
SAMPLE ANALYSIS: VORG

EDMS-009
12/16/92
PAGE: 2

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
MCL	METHYLENE CHLORIDE	UG/L	3	2	0.6667	1.000	1.000	1.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL SUMMARY STATISTICS
 SETPAN MAYWOOD - SURFACE WATER (BLANKS)
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: METAL

EDMS-009
 12/16/92
 PAGE: 1

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
CA	CALCIUM	UG/L	1	1	1.0000	64.000	64.000	64.000	0.000
MG	MAGNESIUM	UG/L	1	1	1.0000	38.000	38.000	38.000	0.000
NI	NICKEL	UG/L	1	1	1.0000	13.000	13.000	13.000	0.000
NA	SODIUM	UG/L	1	1	1.0000	385.000	385.000	385.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 6

SAMPLE ID:	SW-FB-03	SW-TB-01	SWG-TB-02
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	SW-FB-03	SW-TB-01	SWG-TB-02
SAMPLE DATE:	07/24/1992	07/20/1992	07/21/1992
SAMPLE TIME:			
SAMPLE MATRIX:	AQ	AQ	AQ
UPPER DEPTH:			
LOWER DEPTH:			
1,1,1-TRICHLOROETHANE UG/L	1UY	1UY	1UY
1,1,2,2-TETRACHLOROETHANE UG/L	1UY	1UY	1UY
1,1,2-TRICHLOROETHANE UG/L	1UY	1UY	1UY
1,1-DICHLOROETHANE UG/L	1UY	1UY	1UY
1,1-DICHLOROETHENE UG/L	1UY	1UY	1UY
1,2-DIBROMO-3-CHLOROPROPANE UG/L	1UY	UYR	UYR
1,2-DIBROMOETHANE UG/L	1UY	1UY	1UY
1,2-DICHLOROBENZENE UG/L	1UY	1UY	1UY
1,2-DICHLOROETHANE UG/L	1UY	1UY	1UY
1,2-DICHLOROPROPANE UG/L	1UYJ	1UY	1UY
1,3-DICHLOROBENZENE UG/L	1UY	1UY	1UY
1,4-DICHLOROBENZENE UG/L	1UY	1UY	1UY
2-BUTANONE UG/L	5UYJ	UYR	UYR
2-HEXANONE UG/L	5UYJ	5UY	5UY
4-METHYL-2-PENTANONE UG/L	5UYJ	5UY	5UY
ACETONE UG/L	5UYJ	UYR	UYR
BENZENE UG/L	1UY	1UY	1UY
BROMOCHLOROMETHANE UG/L	1UY	1UY	1UY
BROMODICHLOROMETHANE UG/L	1UY	1UY	1UY
BROMOFORM UG/L	1UY	1UY	1UY
BROMOMETHANE UG/L	1UY	1UY	1UY
CARBON DISULFIDE UG/L	1UY	1UY	1UY
CARBON TETRACHLORIDE UG/L	1UY	1UY	1UY
CHLOROBENZENE UG/L	1UY	1UY	1UY
CHLOROETHANE UG/L	1UY	1UY	1UY
CHLOROFORM UG/L	1UY	1UY	1UY
CHLOROMETHANE UG/L	1UY	1UY	1UY
CIS-1,2-DICHLOROETHYLENE UG/L	1UY	1UY	1UY
CIS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY
DIBROMOCHLOROMETHANE UG/L	1UY	1UY	1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 7

SAMPLE ID:	SW-FB-03	SW-TB-01	SWG-TB-02
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	SW-FB-03	SW-TB-01	SWG-TB-02
SAMPLE DATE:	07/24/1992	07/20/1992	07/21/1992
SAMPLE TIME:			
SAMPLE MATRIX:	AQ	AQ	AQ
UPPER DEPTH:			
LOWER DEPTH:			
ETHYLBENZENE UG/L	1UY	1UY	1UY
METHYLENE CHLORIDE UG/L	1DYJ	1DYJ	2UY
STYRENE UG/L	1UY	1UY	1UY
TETRACHLOROETHENE UG/L	1UY	1UY	1UY
TOLUENE UG/L	1UY	1UY	1UY
TRANS-1,2-DICHLOROETHENE UG/L	1UY	1UY	1UY
TRANS-1,3-DICHLOROPROPENE UG/L	1UY	1UY	1UY
TRICHLOROETHENE UG/L	1UY	1UY	1UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	1UY	1UY	1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 3

SAMPLE ID: SW-FB-03
 SUB-SAMPLE ID: 00000
 STATION ID: SW-FB-03
 SAMPLE DATE: 07/24/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

1,2,4-TRICHLOROBENZENE UG/L 20UY
 1,2-DICHLOROBENZENE UG/L 20UY
 1,3-DICHLOROBENZENE UG/L 20UY
 1,4-DICHLOROBENZENE UG/L 20UY
 2,4,5-TRICHLOROPHENOL UG/L 100UY

2,4,6-TRICHLOROPHENOL UG/L 20UY
 2,4-DICHLOROPHENOL UG/L 20UY
 2,4-DIMETHYLPHENOL UG/L 20UY
 2,4-DINITROPHENOL UG/L 100UY
 2,4-DINITROTOLUENE UG/L 20UY

2,6-DINITROTOLUENE UG/L 20UY
 2-CHLORONAPHTHALENE UG/L 20UY
 2-CHLOROPHENOL UG/L 20UY
 2-METHYLNAPHTHALENE UG/L 20UY
 2-METHYLPHENOL UG/L 20UY

2-NITROANILINE UG/L 100UY
 2-NITROPHENOL UG/L 20UY
 3,3'-DICHLOROBENZIDINE UG/L 40UY
 3-NITROANILINE UG/L 100UY
 4,6-DINITRO-2-METHYLPHENOL UG/L 100UY

4-BROMOPHENYL PHENYL ETHER UG/L 20UY
 4-CHLORO-3-METHYLPHENOL UG/L 20UY
 4-CHLOROANILINE UG/L 20UY
 4-CHLOROPHENYL PHENYL ETHER UG/L 20UY
 4-METHYLPHENOL UG/L 20UY

4-NITROANILINE UG/L 100UY
 4-NITROPHENOL UG/L 100UY
 ACENAPHTHENE UG/L 20UY
 ACENAPHTHYLENE UG/L 20UY
 ANTHRACENE UG/L 20UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 4

SAMPLE ID: SW-FB-03
 SUB-SAMPLE ID: 00000
 STATION ID: SW-FB-03
 SAMPLE DATE: 07/24/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

BENZO(A)ANTHRACENE UG/L 20UY
 BENZO(A)PYRENE UG/L 20UY
 BENZO(B)FLUORANTHENE UG/L 20UY
 BENZO(GHI)PERYLENE UG/L 20UY
 BENZO(K)FLUORANTHENE UG/L 20UY

BENZOIC ACID UG/L 100UY
 BENZYL ALCOHOL UG/L 20UY
 BENZYL BUTYL PHTHALATE UG/L 20UY
 BIS(2-CHLOROETHOXY) METHANE UG/L 20UY
 BIS(2-CHLOROETHYL)ETHER UG/L 20UY

BIS(2-CHLOROISOPROPYL) ETHER UG/L 20UY
 BIS(2-ETHYLHEXYL)PHTHALATE UG/L 190UY
 CAFFEINE UG/L 20UY
 CHRYSENE UG/L 20UY
 DI-N-BUTYL PHTHALATE UG/L 20UY

DI-N-OCTYL PHTHALATE UG/L 20UY
 DIBENZO(A,H)ANTHRACENE UG/L 20UY
 DIBENZOFURAN UG/L 20UY
 DIETHYL PHTHALATE UG/L 20UY
 DIMETHYL PHTHALATE UG/L 20UY

FLUORANTHENE UG/L 20UY
 FLUORENE UG/L 20UY
 HEXACHLOROBENZENE UG/L 20UY
 HEXACHLOROBUTADIENE UG/L 20UY
 HEXACHLOROCYCLOPENTADIENE UG/L 20UY

HEXACHLOROETHANE UG/L 20UY
 INDENO(1,2,3-CD)PYRENE UG/L 20UY
 ISOPHORONE UG/L 20UY
 N-NITROSODINPROPYLAMINE UG/L 20UY
 N-NITROSODIPHENYLAMINE UG/L 20UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER (BLANKS)
ALL OBSERVATIONS (NO TICS)
SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
12/16/92
PAGE: 5

SAMPLE ID:	SW-FB-03
SUB-SAMPLE ID:	00000
STATION ID:	SW-FB-03
SAMPLE DATE:	07/24/1992
SAMPLE TIME:	
SAMPLE MATRIX:	AQ
UPPER DEPTH:	
LOWER DEPTH:	

NAPHTHALENE UG/L	20UY
NITROBENZENE UG/L	20UY
PENTACHLOROPHENOL UG/L	100UY
PHENANTHRENE UG/L	20UY
PHENOL UG/L	20UY

PYRENE UG/L	20UY
a-PINENE UG/L	20UY
d-LIMONENE UG/L	20UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SURFACE WATER (BLANKS)
ALL OBSERVATIONS (NO TICS)
SAMPLE ANALYSIS: INORGANICS

EDMS-001
12/16/92
PAGE: 1

SAMPLE ID: SW-FB-03
SUB-SAMPLE ID: 00000
STATION ID: SW-FB-03
SAMPLE DATE: 07/24/1992
SAMPLE TIME:
SAMPLE MATRIX: AQ
UPPER DEPTH:
LOWER DEPTH:

ALUMINUM UG/L 44UY
ANTIMONY UG/L 7UY
ARSENIC UG/L 2UY
BARIUM UG/L 3UY
BERYLLIUM UG/L 2UY

CADMIUM UG/L UYR
CALCIUM UG/L 64DY
CHROMIUM UG/L 6UY
COBALT UG/L 12UY
COPPER UG/L 22UY

CYANIDE UG/L 5UY
IRON UG/L 28UY
LEAD UG/L 1UY
LITHIUM UG/L 9UY
MAGNESIUM UG/L 38DYJ

MANGANESE UG/L 4UY
MERCURY UG/L 0.1UY
NICKEL UG/L 13DY
POTASSIUM UG/L 61UY
SELENIUM UG/L 1UYJ

SILVER UG/L 1UY
SODIUM UG/L 385DYJ
THALLIUM UG/L 2UY
VANADIUM UG/L 15UY
ZINC UG/L 6UYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RAD5 ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SURFACE WATER (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

EDMS-001
 12/16/92
 PAGE: 2

SAMPLE ID: SW-FB-03
 SUB-SAMPLE ID: 00000
 STATION ID: SW-FB-03
 SAMPLE DATE: 07/24/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

4,4'-DDD UG/L 0.1UY
 4,4'-DDE UG/L 0.1UY
 4,4'-DDT UG/L 0.1UY
 ALDRIN UG/L 0.05UY
 ALPHA-CHLORDANE UG/L 0.5UY

AROCLOR-1016 UG/L 0.5UY
 AROCLOR-1221 UG/L 0.5UY
 AROCLOR-1232 UG/L 0.5UY
 AROCLOR-1242 UG/L 0.5UY
 AROCLOR-1248 UG/L 0.5UY

AROCLOR-1254 UG/L 1UY
 AROCLOR-1260 UG/L 1UY
 BHC-ALPHA UG/L 0.05UY
 BHC-BETA UG/L 0.05UY
 BHC-DELTA UG/L 0.05UY

BHC-GAMMA(LINDANE) UG/L 0.05UY
 DIELDRIN UG/L 0.1UY
 ENDOSULFAN I UG/L 0.05UY
 ENDOSULFAN II UG/L 0.1UY
 ENDOSULFAN SULFATE UG/L 0.1UY

ENDRIN UG/L 0.1UY
 ENDRIN KETONE UG/L 0.1UY
 GAMMA-CHLORDANE UG/L 0.5UY
 HEPTACHLOR UG/L 0.05UY
 HEPTACHLOR EPOXIDE UG/L 0.05UY

METHOXYCHLOR UG/L 0.5UY
 TOXAPHENE UG/L 1UY

NNV+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Sediment Samples

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
SB	7440-36-0	ANTIMONY
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
CN	75-13-8	CYANIDE
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
LI		LITHIUM
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NI	7440-02-0	NICKEL
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
AG	7440-22-4	SILVER
NA	7440-23-5	SODIUM
TL	7440-28-0	THALLIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC
DDD	72-54-8	4,4'-DDD
DDE	72-55-9	4,4'-DDE
DDT	50-29-3	4,4'-DDT
ADR	309-00-2	ALDRIN
CRA	5103-71-9	ALPHA-CHLORDANE
AR2	12674-11-2	AROCLOR-1016
AR1	11104-28-2	AROCLOR-1221
AR3	11141-16-5	AROCLOR-1232
AR4	53469-21-9	AROCLOR-1242
AR5	12672-29-6	AROCLOR-1248

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AR6	11097-69-1	AROCLOR-1254
AR7	11096-82-5	AROCLOR-1260
BHA	319-84-6	BHC-ALPHA
BHB	319-85-7	BHC-BETA
BHD	319-86-8	BHC-DELTA
BHG	58-89-9	BHC-GAMMA(LINDANE)
DIE	60-57-1	DIELDRIN
ES1	959-98-8	ENDOSULFAN I
ES2	33213-65-9	ENDOSULFAN II
ENS	1031-07-8	ENDOSULFAN SULFATE
END	78-20-8	ENDRIN
EDK	53494-70-5	ENDRIN KETONE
CRG		GAMMA-CHLORDANE
HPC	76-44-8	HEPTACHLOR
HCE	1024-57-3	HEPTACHLOR EPOXIDE
MOC	72-43-5	METHOXYCHLOR
TXP	8001-35-2	TOXAPHENE
124	120-82-1	1,2,4-TRICHLOROBENZENE
128	95-50-1	1,2-DICHLOROBENZENE
138	541-73-1	1,3-DICHLOROBENZENE
148	106-46-7	1,4-DICHLOROBENZENE
245	95-95-4	2,4,5-TRICHLOROPHENOL
246	88-06-2	2,4,6-TRICHLOROPHENOL
24D	120-83-2	2,4-DICHLOROPHENOL
24M	105-67-9	2,4-DIMETHYLPHENOL
24P	51-28-5	2,4-DINITROPHENOL
24T	121-14-2	2,4-DINITROTOLUENE
26T	606-20-2	2,6-DINITROTOLUENE
2CN	91-58-7	2-CHLORONAPHTHALENE
2CP	95-57-8	2-CHLOROPHENOL
2MN	91-57-6	2-METHYLNAPHTHALENE
2MP	95-48-7	2-METHYLPHENOL
2NA	88-74-4	2-NITROANILINE
2NP	88-75-5	2-NITROPHENOL
33B	91-94-1	3,3'-DICHLOROBENZIDINE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
3NA	99-09-2	3-NITROANILINE
462	534-52-1	4,6-DINITRO-2-METHYLPHENOL
4BP	101-55-3	4-BROMOPHENYL PHENYL ETHER
4C3	59-50-7	4-CHLORO-3-METHYLPHENOL
4CA	106-47-8	4-CHLOROANILINE
4CP	7005-72-3	4-CHLOROPHENYL PHENYL ETHER
4MP	106-44-5	4-METHYLPHENOL
4NA	100-01-6	4-NITROANILINE
4NP	100-02-7	4-NITROPHENOL
ACN	83-32-9	ACENAPHTHENE
ACY	208-96-8	ACENAPHTHYLENE
ATR	120-12-7	ANTHRACENE
BAA	56-55-3	BENZO(A)ANTHRACENE
BAP	50-32-8	BENZO(A)PYRENE
BBF	205-99-2	BENZO(B)FLUORANTHENE
BGP	191-24-2	BENZO(GHI)PERYLENE
BKF	207-08-9	BENZO(K)FLUORANTHENE
BZA	65-85-0	BENZOIC ACID
BAL	100-51-6	BENZYL ALCOHOL
BBP	85-68-7	BENZYL BUTYL PHTHALATE
BEM	111-91-1	BIS(2-CHLOROETHOXY) METHANE
BET	111-44-4	BIS(2-CHLOROETHYL)ETHER
BIT	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER
BPH	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
CAF	58-08-2	CAFFEINE
CRY	218-01-9	CHRYSENE
DBP	84-74-2	DI-N-BUTYL PHTHALATE
DOP	117-84-0	DI-N-OCTYL PHTHALATE
DBA	53-70-3	DIBENZO(A,H)ANTHRACENE
DBF	132-64-9	DIBENZOFURAN
DEP	84-66-2	DIETHYL PHTHALATE
DMP	131-11-3	DIMETHYL PHTHALATE
FLA	206-44-0	FLUORANTHENE
FLE	86-73-7	FLUORENE
HBE	118-74-1	HEXACHLOROBENZENE

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
HBU	87-68-3	HEXACHLOROBUTADIENE
HCP	77-47-4	HEXACHLOROCYCLOPENTADIENE
HET	67-72-1	HEXACHLOROETHANE
ICP	193-39-5	INDENO(1,2,3-CD)PYRENE
ISP	78-59-1	ISOPHORONE
NPR	621-64-7	N-NITROSODINPROPYLAMINE
NPH	86-30-6	N-NITROSODIPHENYLAMINE
NAP	91-20-3	NAPHTHALENE
NTB	98-95-3	NITROBENZENE
PCP	87-86-5	PENTACHLOROPHENOL
PAN	85-01-8	PHENANTHRENE
PHE	108-95-2	PHENOL
PYR	129-00-0	PYRENE
API	80-56-8	a-PINENE
DLI	5989-27-5	d-LIMONENE
111	71-55-6	1,1,1-TRICHLOROETHANE
11E	79-34-5	1,1,2,2-TETRACHLOROETHANE
112	79-00-5	1,1,2-TRICHLOROETHANE
11A	75-34-3	1,1-DICHLOROETHANE
1DE	75-35-4	1,1-DICHLOROETHENE
12A	107-06-2	1,2-DICHLOROETHANE
DCE	540-59-0	1,2-DICHLOROETHENE (TOTAL)
12P	78-87-5	1,2-DICHLOROPROPANE
2BU	78-93-3	2-BUTANONE
2HX	591-78-6	2-HEXANONE
4M2	108-10-1	4-METHYL-2-PENTANONE
ACT	67-64-1	ACETONE
BEN	71-43-2	BENZENE
BDM	75-27-4	BROMODICHLOROMETHANE
BFM	75-25-2	BROMOFORM
BRM	74-83-9	BROMOMETHANE
CDS	75-15-0	CARBON DISULFIDE
CCL	56-23-5	CARBON TETRACHLORIDE
CBN	108-90-7	CHLOROBENZENE
CET	75-00-3	CHLOROETHANE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
CFM	67-66-3	CHLOROFORM
CLM	74-87-3	CHLOROMETHANE
C13	10061-01-5	CIS-1,3-DICHLOROPROPENE
DBC	124-48-1	DIBROMOCHLOROMETHANE
EBN	100-41-4	ETHYLBENZENE
MCL	75-09-2	METHYLENE CHLORIDE
STY	100-42-5	STYRENE
PCE	127-18-4	TETRACHLOROETHENE
TOL	108-88-3	TOLUENE
T13	10061-02-6	TRANS-1,3-DICHLOROPROPENE
TCE	79-01-6	TRICHLOROETHENE
VAC	108-05-4	VINYL ACETATE
VC	75-01-4	VINYL CHLORIDE
XY	1330-20-7	XYLENE (TOTAL)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS

MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
S01		GROSS ALPHA, TOTAL
S02		GROSS BETA, TOTAL
S03		RADIUM 226, TOTAL
S04		RADIUM 228, TOTAL
S05		THORIUM 230, TOTAL
S06		THORIUM 232, TOTAL
S07		URANIUM 234, TOTAL
S08		URANIUM 235, TOTAL
S09		URANIUM 238, TOTAL
S12		URANIUM NATURAL, TOTAL (UNAT)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

Volatile Organics

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: VORG

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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
ACT	ACETONE	UG/KG	7	3	0.4286	23.000	170.000	79.667	64.562
BEN	BENZENE	UG/KG	7	1	0.1429	23.000	23.000	23.000	0.000
CET	CHLOROETHANE	UG/KG	7	1	0.1429	790.000	790.000	790.000	0.000
EBN	ETHYLBENZENE	UG/KG	7	1	0.1429	8.000	8.000	8.000	0.000
TOL	TOLUENE	UG/KG	7	5	0.7143	4.000	310.000	83.600	114.711
XY	XYLENE (TOTAL)	UG/KG	7	1	0.1429	200.000	200.000	200.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEFAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS
SAMPLE ANALYSIS: VOLATILE ORGANICS

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	SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
	SUB-SAMPLE ID:	00000	00000	00000	00000	00000
	STATION ID:	SD01	SD02	SD03	SD04	SD05
	SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
	SAMPLE TIME:					
	SAMPLE MATRIX:	SD	SD	SD	SD	SD
	UPPER DEPTH:					
	LOWER DEPTH:					
1,1,1-TRICHLOROETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,1,2,2-TETRACHLOROETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,1,2-TRICHLOROETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,1-DICHLOROETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,1-DICHLOROETHENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,2-DICHLOROETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,2-DICHLOROETHENE (TOTAL)	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
1,2-DICHLOROPROPANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
2-BUTANONE	UG/KG	UYR	UYR	UYR	UYR	UYR
2-HEXANONE	UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
4-METHYL-2-PENTANONE	UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
ACETONE	UG/KG	31UYJ	18UY	1700YJ	460YJ	18UY
BENZENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
BROMODICHLOROMETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
BROMOFORM	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
BROMOMETHANE	UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
CARBON DISULFIDE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
CARBON TETRACHLORIDE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
CHLOROBENZENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
CHLOROETHANE	UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
CHLOROFORM	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
CHLOROMETHANE	UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
CIS-1,3-DICHLOROPROPENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
DIBROMOCHLOROMETHANE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
ETHYL BENZENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
METHYLENE CHLORIDE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
STYRENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
TETRACHLOROETHENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
TOLUENE	UG/KG	16UYJ	330Y	130YJ	580YJ	9UY
TRANS-1,3-DICHLOROPROPENE	UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
TRICHLOROETHENE UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY
VINYL ACETATE UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
VINYL CHLORIDE UG/KG	31UYJ	18UY	24UYJ	23UYJ	18UY
XYLENE (TOTAL) UG/KG	16UYJ	9UY	12UYJ	11UYJ	9UY

NNW+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: VOLATILE ORGANICS

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		

1,1,1-TRICHLOROETHANE UG/KG	8UY	14UYJ
1,1,2,2-TETRACHLOROETHANE UG/KG	8UY	14UYJ
1,1,2-TRICHLOROETHANE UG/KG	8UY	14UYJ
1,1-DICHLOROETHANE UG/KG	8UY	14UYJ
1,1-DICHLOROETHENE UG/KG	8UY	14UYJ

1,2-DICHLOROETHANE UG/KG	8UY	14UYJ
1,2-DICHLOROETHENE (TOTAL) UG/KG	8UY	14UYJ
1,2-DICHLOROPROPANE UG/KG	8UY	14UYJ
2-BUTANONE UG/KG	UYR	UYR
2-HEXANONE UG/KG	16UY	28UYJ

4-METHYL-2-PENTANONE UG/KG	16UY	28UYJ
ACETONE UG/KG	23DYJ	1400UYJ
BENZENE UG/KG	8UY	23DYJ
BROMODICHLOROMETHANE UG/KG	8UY	14UYJ
BROMOFORM UG/KG	8UY	14UYJ

BROMOMETHANE UG/KG	16UY	28UYJ
CARBON DISULFIDE UG/KG	8UY	14UYJ
CARBON TETRACHLORIDE UG/KG	8UY	14UYJ
CHLOROBENZENE UG/KG	8UY	14UYJ
CHLOROETHANE UG/KG	16UY	790DYJ

CHLOROFORM UG/KG	8UY	14UYJ
CHLOROMETHANE UG/KG	16UY	28UYJ
CIS-1,3-DICHLOROPROPENE UG/KG	8UY	14UYJ
DIBROMOCHLOROMETHANE UG/KG	8UY	14UYJ
ETHYLBENZENE UG/KG	8UY	8DYJ

METHYLENE CHLORIDE UG/KG	8UY	14UYJ
STYRENE UG/KG	8UY	14UYJ
TETRACHLOROETHENE UG/KG	8UY	14UYJ
TOLUENE UG/KG	4DYJ	310DYJ
TRANS-1,3-DICHLOROPROPENE UG/KG	8UY	14UYJ

NNY+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS
SAMPLE ANALYSIS: VOLATILE ORGANICS

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		
TRICHLOROETHENE UG/KG	8UY	14UYJ
VINYL ACETATE UG/KG	16UY	28UYJ
VINYL CHLORIDE UG/KG	16UY	28UYJ
XYLENE (TOTAL) UG/KG	8UY	200DYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JM = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Semivolatile Organics

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: SVOL

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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
ZMN	2-METHYLNAPHTHALENE	UG/KG	7	2	0.2857	63.000	95.000	79.000	16.000
4MP	4-METHYLPHENOL	UG/KG	7	4	0.5714	160.000	1,100.000	555.000	377.525
ACN	ACENAPHTHENE	UG/KG	7	2	0.2857	350.000	430.000	390.000	40.000
ACY	ACENAPHTHYLENE	UG/KG	7	4	0.5714	100.000	220.000	152.500	44.371
ATR	ANTHRACENE	UG/KG	7	4	0.5714	110.000	1,400.000	572.500	527.038
BAA	BENZO(A)ANTHRACENE	UG/KG	7	5	0.7143	200.000	5,100.000	1,890.000	1,818.351
BAP	BENZO(A)PYRENE	UG/KG	7	6	0.8571	110.000	5,400.000	1,633.333	1,910.774
BBF	BENZO(B)FLUORANTHENE	UG/KG	7	7	1.0000	190.000	9,300.000	3,737.143	3,751.749
BGP	BENZO(GHI)PERYLENE	UG/KG	7	6	0.8571	140.000	3,600.000	1,205.000	1,234.366
BBP	BENZYL BUTYL PHTHALATE	UG/KG	7	3	0.4286	98.000	500.000	296.000	164.171
BPH	BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	7	7	1.0000	310.000	25,000.000	4,767.143	8,352.850
CAF	CAFFEINE	UG/KG	7	2	0.2857	81.000	510.000	295.500	214.500
CRY	CHRYSENE	UG/KG	7	7	1.0000	140.000	6,500.000	2,550.000	2,568.407
DBP	DI-N-BUTYL PHTHALATE	UG/KG	7	1	0.1429	120.000	120.000	120.000	0.000
DOP	DI-N-OCTYL PHTHALATE	UG/KG	7	1	0.1429	180.000	180.000	180.000	0.000
DBA	DIBENZO(A,H)ANTHRACENE	UG/KG	7	5	0.7143	63.000	930.000	377.600	332.411
DBF	DIBENZOFURAN	UG/KG	7	1	0.1429	290.000	290.000	290.000	0.000
DEP	DIETHYL PHTHALATE	UG/KG	7	1	0.1429	310.000	310.000	310.000	0.000
FLA	FLUORANTHENE	UG/KG	7	7	1.0000	200.000	11,000.000	4,067.143	4,272.051
FLE	FLUORENE	UG/KG	7	2	0.2857	400.000	650.000	525.000	125.000
ICP	INDENO(1,2,3-CD)PYRENE	UG/KG	7	6	0.8571	130.000	4,200.000	1,345.000	1,466.933
NAP	NAPHTHALENE	UG/KG	7	2	0.2857	110.000	110.000	110.000	0.000
PAN	PHENANTHRENE	UG/KG	7	7	1.0000	120.000	7,400.000	2,725.714	2,795.322
PYR	PYRENE	UG/KG	7	7	1.0000	230.000	10,000.000	4,172.857	3,928.797
API	α -PINENE	UG/KG	7	1	0.1429	840.000	840.000	840.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
1,2,4-TRICHLOROBENZENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
1,2-DICHLOROBENZENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
1,3-DICHLOROBENZENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
1,4-DICHLOROBENZENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2,4,5-TRICHLOROPHENOL UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
2,4,6-TRICHLOROPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2,4-DICHLOROPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2,4-DIMETHYLPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2,4-DINITROPHENOL UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
2,4-DINITROTOLUENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2,6-DINITROTOLUENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2-CHLORONAPHTHALENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2-CHLOROPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2-METHYLNAPHTHALENE UG/KG	1000UYJ	630YJ	950YJ	750UYJ	610UY
2-METHYLPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
2-NITROANILINE UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
2-NITROPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
3,3'-DICHLOROBENZIDINE UG/KG	2100UYJ	1200UY	1400UYJ	1500UYJ	1200UY
3-NITROANILINE UG/KG	UYR	UYR	UYR	3600UYJ	UYR
4,6-DINITRO-2-METHYLPHENOL UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
4-BROMOPHENYL PHENYL ETHER UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
4-CHLORO-3-METHYLPHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
4-CHLOROANILINE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
4-CHLOROPHENYL PHENYL ETHER UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
4-METHYLPHENOL UG/KG	1000UYJ	1100UY	1600YJ	7100YJ	610UY
4-NITROANILINE UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
4-NITROPHENOL UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
ACENAPHTHENE UG/KG	1000UYJ	4300YJ	3500YJ	750UYJ	610UY
ACENAPHTHYLENE UG/KG	1300YJ	1600YJ	2200YJ	1000YJ	610UY
ANTHRACENE UG/KG	1100YJ	14000YJ	6600YJ	1200YJ	610UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEFAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS
SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
BENZO(A)ANTHRACENE UG/KG	700YJ	5100YJ	2700YJ	750YJ	610YJ
BENZO(A)PYRENE UG/KG	640YJ	5400YJ	2800YJ	680YJ	110YJ
BENZO(B)FLUORANTHENE UG/KG	1100YJ	9200YJ	4700YJ	1300YJ	190YJ
BENZO(GHI)PERYLENE UG/KG	680YJ	3600YJ	2000YJ	610YJ	140YJ
BENZO(K)FLUORANTHENE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
BENZOIC ACID UG/KG	5000YJ	2800YJ	3900YJ	3600YJ	2900YJ
BENZYL ALCOHOL UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
BENZYL BUTYL PHTHALATE UG/KG	1000YJ	500YJ	290YJ	98YJ	610YJ
BIS(2-CHLOROETHOXY) METHANE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
BIS(2-CHLOROETHYL)ETHER UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
BIS(2-CHLOROISOPROPYL) ETHER UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
BIS(2-ETHYLHEXYL)PHTHALATE UG/KG	520YJ	4000YJ	2300YJ	770YJ	310YJ
CAFFEINE UG/KG	1000YJ	580YJ	510YJ	810YJ	610YJ
CHRYSENE UG/KG	780YJ	6500YJ	3300YJ	820YJ	140YJ
DI-N-BUTYL PHTHALATE UG/KG	1000YJ	580YJ	1200YJ	750YJ	610YJ
DI-N-OCTYL PHTHALATE UG/KG	1000YJ	1800YJ	800YJ	750YJ	610YJ
DIBENZO(A,H)ANTHRACENE UG/KG	230YJ	580YJ	930YJ	85YJ	610YJ
DIBENZOFURAN UG/KG	1000YJ	290YJ	800YJ	750YJ	610YJ
DIETHYL PHTHALATE UG/KG	1000YJ	310YJ	800YJ	750YJ	610YJ
DIMETHYL PHTHALATE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
FLUORANTHENE UG/KG	980YJ	11000YJ	5300YJ	1100YJ	200YJ
FLUORENE UG/KG	1000YJ	650YJ	400YJ	750YJ	610YJ
HEXACHLOROBENZENE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
HEXACHLOROBUTADIENE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
HEXACHLOROCYCLOPENTADIENE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
HEXACHLOROETHANE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
INDENO(1,2,3-CD)PYRENE UG/KG	550YJ	4200YJ	2300YJ	690YJ	130YJ
ISOPHORONE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
N-NITROSODIPROPYLAMINE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ
N-NITROSODIPHENYLAMINE UG/KG	1000YJ	580YJ	800YJ	750YJ	610YJ

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
NAPHTHALENE UG/KG	1000UYJ	1100YJ	1100YJ	750UYJ	610UY
NITROBENZENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
PENTACHLOROPHENOL UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	2900UY
PHENANTHRENE UG/KG	7000YJ	7400DYJ	4000DYJ	7700YJ	1200YJ
PHENOL UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY
<hr/>					
PYRENE UG/KG	1600DYJ	9300DYJ	6200DYJ	1500DYJ	2300DYJ
a-PINENE UG/KG	1000UYJ	8400Y	800UYJ	750UYJ	610UY
d-LIMONENE UG/KG	1000UYJ	580UY	800UYJ	750UYJ	610UY

MMY+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		
1,2,4-TRICHLOROBENZENE UG/KG	530UY	55000UYJ
1,2-DICHLOROBENZENE UG/KG	530UY	55000UYJ
1,3-DICHLOROBENZENE UG/KG	530UY	55000UYJ
1,4-DICHLOROBENZENE UG/KG	530UY	55000UYJ
2,4,5-TRICHLOROPHENOL UG/KG	2600UY	270000UYJ
2,4,6-TRICHLOROPHENOL UG/KG	530UY	55000UYJ
2,4-DICHLOROPHENOL UG/KG	530UY	55000UYJ
2,4-DIMETHYLPHENOL UG/KG	530UY	55000UYJ
2,4-DINITROPHENOL UG/KG	2600UY	270000UYJ
2,4-DINITROTOLUENE UG/KG	530UY	55000UYJ
2,6-DINITROTOLUENE UG/KG	530UY	55000UYJ
2-CHLORONAPHTHALENE UG/KG	530UY	55000UYJ
2-CHLOROPHENOL UG/KG	530UY	55000UYJ
2-METHYLNAPHTHALENE UG/KG	530UY	55000UYJ
2-METHYLPHENOL UG/KG	530UY	55000UYJ
2-NITROANILINE UG/KG	2600UY	270000UYJ
2-NITROPHENOL UG/KG	530UY	55000UYJ
3,3'-DICHLOROBENZIDINE UG/KG	1100UY	110000UYJ
3-NITROANILINE UG/KG	2600UYJ	270000UYJ
4,6-DINITRO-2-METHYLPHENOL UG/KG	2600UY	270000UYJ
4-BROMOPHENYL PHENYL ETHER UG/KG	530UY	55000UYJ
4-CHLORO-3-METHYLPHENOL UG/KG	530UY	55000UYJ
4-CHLOROANILINE UG/KG	530UY	55000UYJ
4-CHLOROPHENYL PHENYL ETHER UG/KG	530UY	55000UYJ
4-METHYLPHENOL UG/KG	250DYJ	55000UYJ
4-NITROANILINE UG/KG	2600UY	270000UYJ
4-NITROPHENOL UG/KG	2600UY	270000UYJ
ACENAPHTHENE UG/KG	530UY	55000UYJ
ACENAPHTHYLENE UG/KG	530UY	55000UYJ
ANTHRACENE UG/KG	530UY	55000UYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATION MATRIX
 STEPHAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		

BENZO(A)ANTHRACENE UG/KG	200DJ	55000UJ
BENZO(A)PYRENE UG/KG	1700UJ	55000UJ
BENZO(B)FLUORANTHENE UG/KG	3700UJ	93000UJ
BENZO(GH)PERYLENE UG/KG	200DJ	55000UJ
BENZO(K)FLUORANTHENE UG/KG	530UJ	55000UJ

BENZOIC ACID UG/KG	2600UJ	270000UJ
BENZYL ALCOHOL UG/KG	530UJ	55000UJ
BENZYL BUTYL PHTHALATE UG/KG	530UJ	55000UJ
BIS(2-CHLOROETHOXY) METHANE UG/KG	530UJ	55000UJ
BIS(2-CHLOROETHYL)ETHER UG/KG	530UJ	55000UJ

BIS(2-CHLOROISOPROPYL) ETHER UG/KG	530UJ	55000UJ
BIS(2-ETHYLHEXYL)PHTHALATE UG/KG	4700UJ	250000UJ
CAFFEINE UG/KG	530UJ	55000UJ
CHRYSENE UG/KG	2100UJ	61000UJ
DI-N-BUTYL PHTHALATE UG/KG	530UJ	55000UJ

DI-N-OCTYL PHTHALATE UG/KG	530UJ	55000UJ
DIBENZO(A,H)ANTHRACENE UG/KG	630UJ	55000UJ
DIBENZOFURAN UG/KG	530UJ	55000UJ
DIETHYL PHTHALATE UG/KG	530UJ	55000UJ
DIMETHYL PHTHALATE UG/KG	530UJ	55000UJ

FLUORANTHENE UG/KG	2900UJ	96000UJ
FLUORENE UG/KG	530UJ	55000UJ
HEXACHLOROBENZENE UG/KG	530UJ	55000UJ
HEXACHLOROBUTADIENE UG/KG	530UJ	55000UJ
HEXACHLOROCYCLOPENTADIENE UG/KG	530UJ	55000UJ

HEXACHLOROETHANE UG/KG	530UJ	55000UJ
INDENO(1,2,3-CD)PYRENE UG/KG	200DJ	55000UJ
ISOPHORONE UG/KG	530UJ	55000UJ
N-NITROSODI-N-PROPYLAMINE UG/KG	530UJ	55000UJ
N-NITROSODIPHENYLAMINE UG/KG	530UJ	55000UJ

NN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		
NAPHTHALENE UG/KG	530UY	55000UYJ
NITROBENZENE UG/KG	530UYJ	55000UYJ
PENTACHLOROPHENOL UG/KG	2600UY	270000UYJ
PHENANTHRENE UG/KG	1900YJ	59000YJ
PHENOL UG/KG	530UY	55000UYJ

PYRENE UG/KG	3800YJ	100000YJ
a-PINENE UG/KG	530UY	55000UYJ
d-LIMONENE UG/KG	530UY	55000UYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Pesticides and PCBs

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

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SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
4,4'-DDD UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
4,4'-DDE UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
4,4'-DDT UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
ALDRIN UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
ALPHA-CHLORDANE UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1016 UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1221 UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1232 UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1242 UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1248 UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
AROCLOR-1254 UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	3000UY
AROCLOR-1260 UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	3000UY
BHC-ALPHA UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
BHC-BETA UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
BHC-DELTA UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
BHC-GAMMA(LINDANE) UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
DIELDRIN UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
ENDOSULFAN I UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
ENDOSULFAN II UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
ENDOSULFAN SULFATE UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
ENDRIN UG/KG	500UYJ	280UYJ	390UYJ	360UYJ	300UYJ
ENDRIN KETONE UG/KG	500UYJ	280UY	390UYJ	360UYJ	300UY
GAMMA-CHLORDANE UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
HEPTACHLOR UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
HEPTACHLOR EPOXIDE UG/KG	250UYJ	140UY	200UYJ	180UYJ	150UY
METHOXYCHLOR UG/KG	2500UYJ	1400UY	2000UYJ	1800UYJ	1500UY
TOXAPHENE UG/KG	5000UYJ	2800UY	3900UYJ	3600UYJ	3000UY

NN: +/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

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SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		

4,4'-DDD UG/KG	260UY	670UYJ
4,4'-DDE UG/KG	260UY	670UYJ
4,4'-DDT UG/KG	260UY	670UYJ
ALDRIN UG/KG	130UY	330UYJ
ALPHA-CHLORDANE UG/KG	1300UY	3300UYJ

AROCLOR-1016 UG/KG	1300UY	3300UYJ
AROCLOR-1221 UG/KG	1300UY	3300UYJ
AROCLOR-1232 UG/KG	1300UY	3300UYJ
AROCLOR-1242 UG/KG	1300UY	3300UYJ
AROCLOR-1248 UG/KG	1300UY	3300UYJ

AROCLOR-1254 UG/KG	2600UY	6700UYJ
AROCLOR-1260 UG/KG	2600UY	6700UYJ
BHC-ALPHA UG/KG	130UY	330UYJ
BHC-BETA UG/KG	130UY	330UYJ
BHC-DELTA UG/KG	130UY	330UYJ

BHC-GAMMA(LINDANE) UG/KG	130UY	330UYJ
DIELDRIN UG/KG	260UY	670UYJ
ENDOSULFAN I UG/KG	130UY	330UYJ
ENDOSULFAN II UG/KG	260UY	670UYJ
ENDOSULFAN SULFATE UG/KG	260UY	670UYJ

ENDRIN UG/KG	260UYJ	670UYJ
ENDRIN KETONE UG/KG	260UY	670UYJ
GAMMA-CHLORDANE UG/KG	1300UY	3300UYJ
HEPTACHLOR UG/KG	130UY	330UYJ
HEPTACHLOR EPOXIDE UG/KG	130UY	330UYJ

METHOXYCHLOR UG/KG	1300UY	3300UYJ
TOXAPHENE UG/KG	2600UY	6700UYJ

MNM+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Metals and Cyanide

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: METAL

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Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
AL	ALUMINUM	MG/KG	7	7	1.0000	2,730.000	5,650.000	4,205.714	1,099.102
AS	ARSENIC	MG/KG	7	7	1.0000	2.300	11.100	5.743	2.931
BA	BARIUM	MG/KG	7	7	1.0000	43.700	277.000	116.843	77.992
CD	CADMIUM	MG/KG	7	1	0.1429	3.900	3.900	3.900	0.000
CA	CALCIUM	MG/KG	7	7	1.0000	4,300.000	14,600.000	8,832.857	3,980.609
CR	CHROMIUM	MG/KG	7	7	1.0000	14.500	77.200	40.014	23.319
CO	COBALT	MG/KG	7	1	0.1429	6.400	6.400	6.400	0.000
CU	COPPER	MG/KG	7	7	1.0000	12.100	214.000	71.829	65.358
CN	CYANIDE	MG/KG	7	4	0.5714	0.510	10.700	3.570	4.183
FE	IRON	MG/KG	7	7	1.0000	5,370.000	13,200.000	8,992.857	2,488.354
PB	LEAD	MG/KG	7	7	1.0000	53.900	645.000	211.000	188.762
LI	LITHIUM	MG/KG	7	7	1.0000	5.500	31.600	11.586	8.766
MG	MAGNESIUM	MG/KG	7	7	1.0000	893.000	2,900.000	1,501.857	613.448
MN	MANGANESE	MG/KG	7	7	1.0000	80.600	186.000	130.171	42.049
HG	MERCURY	MG/KG	7	7	1.0000	0.090	0.950	0.430	0.304
NI	NICKEL	MG/KG	7	1	0.1429	7.700	7.700	7.700	0.000
K	POTASSIUM	MG/KG	7	7	1.0000	97.100	325.000	203.871	71.713
SE	SELENIUM	MG/KG	7	6	0.8571	0.490	1.400	0.895	0.292
NA	SODIUM	MG/KG	7	7	1.0000	181.000	531.000	334.714	126.977
V	VANADIUM	MG/KG	7	7	1.0000	10.700	43.400	24.614	10.262
ZN	ZINC	MG/KG	7	7	1.0000	145.000	800.000	371.000	202.051

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
STIPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS
SAMPLE ANALYSIS: INORGANICS

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01/23/93
PAGE: 1

SAMPLE ID:	SD01-01	SD02-01	SD03-01	SD04-01	SD05-01
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	SD01	SD02	SD03	SD04	SD05
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992	07/21/1992	07/20/1992
SAMPLE TIME:					
SAMPLE MATRIX:	SD	SD	SD	SD	SD
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM MG/KG	50800YJ	56500Y	52100YJ	37000YJ	27400Y
ANTIMONY MG/KG	4.4UYJ	2.5UY	3.4UYJ	3.2UYJ	2.6UY
ARSENIC MG/KG	11.10YJ	2.30YJ	7.30YJ	7.50YJ	3.70Y
BARIUM MG/KG	1530YJ	45.60YJ	1530YJ	2770YJ	750Y
BERYLLIUM MG/KG	1.3UYJ	0.71UY	0.97UYJ	0.91UYJ	0.74UY
CADMIUM MG/KG	3.1UYJ	1.8UYJ	2.4UYJ	2.3UYJ	1.8UY
CALCIUM MG/KG	98100YJ	62200YJ	144000YJ	146000YJ	46700YJ
CHROMIUM MG/KG	14.50YJ	23.30Y	71.50YJ	44.50YJ	23.20Y
COBALT MG/KG	7.5UYJ	6.40YJ	5.8UYJ	5.5UYJ	4.4UY
COPPER MG/KG	38.40YJ	40.60Y	1080YJ	700YJ	12.10Y
CYANIDE MG/KG	10.70YJ	0.510YJ	0.670YJ	2.40YJ	0.46UY
IRON MG/KG	83600YJ	132000Y	108000YJ	78600YJ	53700Y
LEAD MG/KG	1750YJ	1080Y	2500YJ	1830YJ	62.10Y
LITHIUM MG/KG	8.80YJ	6.70Y	31.60YJ	15.50YJ	7.40Y
MAGNESIUM MG/KG	12800YJ	29000Y	16300YJ	11900YJ	8930YJ
MANGANESE MG/KG	1600YJ	1370Y	1750YJ	1860YJ	88.20Y
MERCURY MG/KG	0.40YJ	0.190Y	0.950YJ	0.520YJ	0.090YJ
NICKEL MG/KG	13.2UYJ	7.4UYJ	10.2UYJ	5UYJ	7.70YJ
POTASSIUM MG/KG	1950YJ	3250YJ	2480YJ	YJ	1510YJ
SELENIUM MG/KG	1.40YJ	0.35UYJ	0.970YJ	10YJ	0.620YJ
SILVER MG/KG	0.63UYJ	0.35UYJ	0.49UYJ	0.45UYJ	0.37UYJ
SODIUM MG/KG	3470YJ	2220YJ	4910YJ	3510YJ	21YJ
THALLIUM MG/KG	1.3UYJ	0.71UYJ	0.97UYJ	0.91UYJ	0.74UY
VANADIUM MG/KG	43.40YJ	19.40Y	31.60YJ	28.60YJ	14.70YJ
ZINC MG/KG	4410YJ	2150YJ	3060YJ	4340YJ	2560YJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: INORGANICS

EDMS-001
 01/23/93
 PAGE: 8

SAMPLE ID:	SD05D-01	SD06-01
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD05D	SD06
SAMPLE DATE:	07/20/1992	07/20/1992
SAMPLE TIME:		
SAMPLE MATRIX:	SD	SD
UPPER DEPTH:		
LOWER DEPTH:		
ALUMINUM MG/KG	2730DY	4330DYJ
ANTIMONY MG/KG	2.3UY	3.9UYJ
ARSENIC MG/KG	2.6DYJ	5.7DYJ
BARIUM MG/KG	43.7DYJ	70.6DYJ
BERYLLIUM MG/KG	0.65UY	1.1UYJ
CADMIUM MG/KG	1.6UY	3.9DYJ
CALCIUM MG/KG	4300DYJ	7830DYJ
CHROMIUM MG/KG	25.9DY	77.2DYJ
COBALT MG/KG	3.9UY	6.7UYJ
COPPER MG/KG	19.7DY	214DYJ
CYANIDE MG/KG	0.4UY	0.69UYJ
IRON MG/KG	6760DY	10600DYJ
LEAD MG/KG	53.9DY	645DYJ
LITHIUM MG/KG	5.5DY	5.6DYJ
MAGNESIUM MG/KG	1120DYJ	1500DYJ
MANGANESE MG/KG	80.6DY	84.4DYJ
MERCURY MG/KG	0.12DYJ	0.74DYJ
NICKEL MG/KG	6.8UYJ	11.7UYJ
POTASSIUM MG/KG	97.1DYJ	256DYJ
SELENIUM MG/KG	0.49DYJ	0.89DYJ
SILVER MG/KG	0.32UYJ	0.56UYJ
SODIUM MG/KG	181DYJ	531DYJ
THALLIUM MG/KG	0.65UY	1.1UYJ
VANADIUM MG/KG	10.7DYJ	23.9DYJ
ZINC MG/KG	145DYJ	800DYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Radionuclides

Glossary of Data Qualifier Codes and Definitions Used for Radiological Data

Definitions of data qualifiers used for organic and inorganic analytical data are defined at the bottom of each data sheet. The definitions for the data qualifiers for the radiological data, however, are different. The following definitions should, therefore, be used for radiological data qualifiers.:

- U - The parameter was analyzed for, but was not detected above the level of the associated value. The associated value is either the minimum detectable activity (MDA) or the sample-specific lower limit of detection (LLD), or the observed value.
- J - The associated value is estimated because one or more quality acceptance criteria were not met.
- UJ - The parameter was analyzed for but was not detected. The nondetection could be due to one or more quality control problems. The associated value is an estimated MDA or LLD, or observed value.
- H - Holding times exceeded.
- D - Duplicate precision criteria not met.
- S - Matrix spike recovery criteria not met.
- C - Calibration criteria not met.
- B - Blank contamination present.

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS
 ALL OBSERVATIONS
 SAMPLE ANALYSIS: RAD

EDMS-009
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 PAGE: 1

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
S01	GROSS ALPHA, TOTAL	PCI/G	7	4	0.5714	20.000	50.000	34.350	12.764
S02	GROSS BETA, TOTAL	PCI/G	7	7	1.0000	11.200	27.700	17.529	6.024
S03	RADIUM 226, TOTAL	PCI/G	7	7	1.0000	1.300	10.100	5.800	2.972
S04	RADIUM 228, TOTAL	PCI/G	7	5	0.7143	2.400	5.300	3.280	1.069
S05	THORIUM 230, TOTAL	PCI/G	7	7	1.0000	1.600	4.100	2.300	0.775
S06	THORIUM 232, TOTAL	PCI/G	7	7	1.0000	1.000	5.900	2.986	1.834
S07	URANIUM 234, TOTAL	PCI/G	7	5	0.7143	1.100	3.500	1.740	0.900
S08	URANIUM 235, TOTAL	PCI/G	7	5	0.7143	0.300	1.700	0.920	0.574
S09	URANIUM 238, TOTAL	PCI/G	7	3	0.4286	1.000	1.600	1.400	0.283
S12	URANIUM NATURAL, TOTAL (UNAT)	MG/G	1	1	1.0000	0.002	0.002	0.002	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS

EDMS-001
01/29/93
PAGE: 1

SAMPLE ID:	SD01-01	SD02-01	SD03-01
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	SD01	SD02	SD03
SAMPLE DATE:	07/21/1992	07/24/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA, TOTAL PCI/G	10UY	5.5UY	43.7 +/- 14.7DY
GROSS BETA, TOTAL PCI/G	11.4 +/- 6.2DY	17.6 +/- 6.6DY	24.7 +/- 7DY
RADIUM 226, TOTAL PCI/G	4 +/- 0.8DY	1.3 +/- 1.1DY	9 +/- 1.3DY
RADIUM 228, TOTAL PCI/G	0.9UY	3.5UYJB	2.5 +/- 1.6DY
THORIUM 230, TOTAL PCI/G	2.3 +/- 0.6DY	2 +/- 0.5DYJD	4.1 +/- 0.9DY
THORIUM 232, TOTAL PCI/G	1.9 +/- 0.7DY	1.9 +/- 0.5DY	5.9 +/- 1.1DY
URANIUM 234, TOTAL PCI/G	3.5 +/- 1.7DY	0.9UY	1.1 +/- 0.8DY
URANIUM 235, TOTAL PCI/G	1.7 +/- 0.9DY	0.3UY	0.2UY
URANIUM 238, TOTAL PCI/G	1.2UY	0.3UY	1.6 +/- 0.9DY
URANIUM NATURAL, TOTAL (UNAT) MG/G		0.002 +/- DY	

NNV+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS

EDMS-001
01/29/93
PAGE: 2

SAMPLE ID:	SD04-01	SD05-01	SD05D-01
SUB-SAMPLE ID:	00000	00000	DUP
STATION ID:	SD04	SD05	SD05D
SAMPLE DATE:	07/21/1992	07/20/1992	07/20/1992
SAMPLE TIME:			
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA, TOTAL PCI/G	50 +/- 15.4DY	23.7 +/- 12.1DY	20 +/- 11.6DY
GROSS BETA, TOTAL PCI/G	27.7 +/- 7.2DY	11.2 +/- 6.2DY	12.9 +/- 6.3DY
RADIUM 226, TOTAL PCI/G	10.1 +/- 1.3DY	3.7 +/- 0.8DY	4.7 +/- 0.9DY
RADIUM 228, TOTAL PCI/G	5.3 +/- 1.7DY	2.4 +/- 0.7DY	2.8 +/- 0.8DY
THORIUM 230, TOTAL PCI/G	2.2 +/- 0.5DY	1.6 +/- 0.5DY	1.7 +/- 0.5DY
THORIUM 232, TOTAL PCI/G	5.2 +/- 0.8DY	1 +/- 0.5DY	1.2 +/- 0.5DY
URANIUM 234, TOTAL PCI/G	1.4 +/- 1DY	1.6 +/- 0.8DY	1.1 +/- 0.6DY
URANIUM 235, TOTAL PCI/G	0.7 +/- 0.5DYJS	0.4 +/- 0.3DY	0.3 +/- 0.2DY
URANIUM 238, TOTAL PCI/G	1.6 +/- 1DY	1 +/- 0.7DY	0.6DY
URANIUM NATURAL, TOTAL (UNAT)			

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS
ALL OBSERVATIONS

EDMS-001
01/29/93
PAGE: 3

SAMPLE ID: SD06-01
SUB-SAMPLE ID: 00000
STATION ID: SD06
SAMPLE DATE: 07/20/1992
SAMPLE TIME:
SAMPLE MATRIX: SD
UPPER DEPTH:
LOWER DEPTH:

GROSS ALPHA, TOTAL PCI/G	9.1UY
GROSS BETA, TOTAL PCI/G	17.2 +/- 6.6DY
RADIUM 226, TOTAL PCI/G	7.8 +/- 1.2DY
RADIUM 228, TOTAL PCI/G	3.4 +/- 0.8DY
THORIUM 230, TOTAL PCI/G	2.2 +/- 0.6DY

THORIUM 232, TOTAL PCI/G	3.8 +/- 0.8DY
URANIUM 234, TOTAL PCI/G	2.1UYJS
URANIUM 235, TOTAL PCI/G	1.5 +/- 1.2DYJS
URANIUM 238, TOTAL PCI/G	3.6UYJS

URANIUM NATURAL, TOTAL (UNAT)

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JV = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

Total Organic Carbon

CLIENT: CH2M HILL

REPORT DATE: August 19, 1992

SAMPLE ANALYZED: Seven samples analyzed for
TOTAL ORGANIC CARBON.

PROJECT #: 9207-00030,33,& 37

TCT ST. LOUIS ID #: 92004184 - 92004187

TCT ST. LOUIS ID #: 92004317 - 92004317

TCT ST. LOUIS ID #: 92004403

DATE RECEIVED: July 21-25, 1992

CLIENT PROJECT #:

TOTAL ORGANIC CARBON

DATE ANALYZED: 08/04/92

TCT-ST LOUIS ID NUMBER	SITE CODE	SOLIDS (%)	TOC (MG/KG)
BLANK	-	-	< 25
STD RCVRV (%)	2000 MG/L STD	-	104%
92004184	FHSD06	36.0	86200
92004185	SCSD5D	61.8	11000
92004185 DUP	SCSD5D	61.8	12300
92004185 MS RCVRV (%)	SCSD5D	61.8	116%
92004186	SCSD05	54.4	7990
STD RCVRV (%)	2000 MG/L STD	-	104%
BLANK	-	-	< 25
92004187	SRSD03	41.1	50000
92004317	SRSD01	31.8	92600
92004318	SRSD04	44.0	47000
92004403	SRSD02	56.6	35700
STD RCVRV (%)	2000 MG/L STD	-	105%
BLANK	-	-	< 25

TCT-ST. LOUIS

TOC (Instrumental)

Sheet 1 of 2Analyst MH GiamDate 8/4/92Project No. 9207-30, 33, 34

Checked By _____

Date _____

Range Setting 40 ml

Lab No.	Site Name	Sample Date <small>90 Solids</small>			Inj.	Dil.	Instr. Reading		QC	
			WT	Vol			TOC mg/L		% REC.	% RFD
	1351	catip.								
	1348									
	1342									
ICV	2000 mg/L						2071		104%	
ICB							.002	525		
4184			.0370				OVER			
4184	1.0212g/20mL	.360	.002042				1584	86/90		
4185	1.0147g/20mL	.618	.002029				345.5	11021		RSD = 8%
4185							23.8	And Injection method 8/4/92		
4185	Dup	.618	.002029				386.5	12329		
4185	+500 mg/L spike	↓					926.1		116%	
4186	1.0177g/20mL	.544	.002035				221.2	7992		
CCV	2000 mg/L						2076		104%	

For Solids: $\text{Instrument Reading} \times (.040 \text{ mL}) = \text{mg/kg TOC}$
 $(\text{Sample gm}) \times (\% \text{ Solid})$

ACCEPTED

AUG 05 1992

K. M. Giam

T. St. Louis

TCT-ST. LOUIS

TOC (Instrumental)

Sheet 2 of 2Analyst M. H. GaudDate 8/4/92Project No. 9207-30,33,37

Checked By _____

Date _____

Range Setting 40 μ L

Lab No.	Site Name	Sample Date 306015			Inj.	Dil.	Instr. Reading		QC	
			WT	Vol			TOC mg/L		% REC.	% RPD
CCB							0.030		<25 ^{mg} /L	
4187	1.0457g/20mL	.411	.002091				1075	50.035		
4317	1.0250g/20mL	.316	.00205				1509	92591		
4318	1.0206g/20mL	.440	.00204				1054	47000		
4403	1.0433g/20mL	.566	.002087				1053	35657		
CCV	2000 mg/L						2098		10580	
CLB							0.456			
<div style="display: flex; justify-content: space-between;"> <div> <p>Samples high stirred in 20 ml then was injected.</p> <p>1 gram sample 0.04ml</p> <p><i>M. H. Gaud</i> 8/4/92</p> <p><i>W. L. L.</i></p> </div> <div> <p>ACCEPTED AUG 05 1992 <i>[Signature]</i></p> </div> </div>										

For Solids: $\text{Instrument Reading} \times (.040 \text{ mL}) = \text{mg/kg TOC}$
 $(\text{Sample gm}) \times (\% \text{ Solid})$

SELFTEST
NO ERRORS

CAL -- 48 UL
CAL ADJ 8.888

NO CAL -- 48 UL

2 TOC 1351

3 TOC 1348

4 TOC 1342

} cal.b.

CAL -- 48 UL

CAL AVE 1347

CAL ADJ 1999

1 TOC 2871 ICV

2 TOC 8.882 ICB

3 CANCELLED
DET SATURATED 4184

4 TOC 1584 4184

5 TOC 345.5 4185

6 TOC 213.8 4185 ^{Adj.}

7 TOC 386.5 4185 ^{Dup}

8 TOC 926.1 4185 ^{MS}

9 TOC 221.2 4186

10 TOC 2876 CCV

11 TOC 8.838 CCB

12 TOC 1875 4187

13 TOC 1589 4317

14 TOC 1854 4388

15 TOC 1853 4403

16 TOC 2898 CCV

17 TOC 8.455 CCB

18 TOC 3868
OVERRANGE ERROR< 28%

8/4/92 4186
Ran straight

9207 -30,33,37

M#Giant

STANDARD Sources

Calibration Seeds

ICV • CCV SMS

Source F: 754735

F: 570509

Prep Date 8/4/92

8/4/92

Prep By MH Giam

MH Giam

Field Equipment Rinse
Blanks and Trip Blanks -
Sediments

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
SB	7440-36-0	ANTIMONY
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
CN	75-13-8	CYANIDE
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
LI		LITHIUM
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NI	7440-02-0	NICKEL
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
AG	7440-22-4	SILVER
NA	7440-23-5	SODIUM
TL	7440-28-0	THALLIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC
DDD	72-54-8	4,4'-DDD
DDE	72-55-9	4,4'-DDE
DDT	50-29-3	4,4'-DDT
ADR	309-00-2	ALDRIN
CRA	5103-71-9	ALPHA-CHLORDANE
AR2	12674-11-2	AROCLOR-1016
AR1	11104-28-2	AROCLOR-1221
AR3	11141-16-5	AROCLOR-1232
AR4	53469-21-9	AROCLOR-1242
AR5	12672-29-6	AROCLOR-1248

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AR6	11097-69-1	AROCLOR-1254
AR7	11096-82-5	AROCLOR-1260
BHA	319-84-6	BHC-ALPHA
BHB	319-85-7	BHC-BETA
BHD	319-86-8	BHC-DELTA
BHG	58-89-9	BHC-GAMMA(LINDANE)
DIE	60-57-1	DIELDRIN
ES1	959-98-8	ENDOSULFAN I
ES2	33213-65-9	ENDOSULFAN II
ENS	1031-07-8	ENDOSULFAN SULFATE
END	78-20-8	ENDRIN
EDK	53494-70-5	ENDRIN KETONE
CRG		GAMMA-CHLORDANE
HPC	76-44-8	HEPTACHLOR
HCE	1024-57-3	HEPTACHLOR EPOXIDE
MOC	72-43-5	METHOXYCHLOR
TXP	8001-35-2	TOXAPHENE
124	120-82-1	1,2,4-TRICHLOROBEZENE
128	95-50-1	1,2-DICHLOROBEZENE
138	541-73-1	1,3-DICHLOROBEZENE
148	106-46-7	1,4-DICHLOROBEZENE
245	95-95-4	2,4,6-TRICHLOROPHENOL
246	88-06-2	2,4,6-TRICHLOROPHENOL
240	120-83-2	2,4-DICHLOROPHENOL
24M	105-67-9	2,4-DIMETHYLPHENOL
24P	51-28-5	2,4-DINITROPHENOL
24T	121-14-2	2,4-DINITROTOLUENE
26T	606-20-2	2,6-DINITROTOLUENE
2CN	91-58-7	2-CHLORONAPHTHALENE
2CP	95 "	2-CHLOROPHENOL
2MN	91 6	2-METHYLNAPHTHALENE
2MP	95-48-7	2-METHYLPHENOL
2NA	88-74-4	2-NITROANILINE
2NP	88-75-5	2-NITROPHENOL
33B	91-94-1	3,3'-DICHLOROBENZIDINE

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
3NA	99-09-2	3-NITROANILINE
462	534-52-1	4,6-DINITRO-2-METHYLPHENOL
4BP	101-55-3	4-BROMOPHENYL PHENYL ETHER
4C3	59-50-7	4-CHLORO-3-METHYLPHENOL
4CA	106-47-8	4-CHLOROANILINE
4CP	7005-72-3	4-CHLOROPHENYL PHENYL ETHER
4MP	106-44-5	4-METHYLPHENOL
4NA	100-01-6	4-NITROANILINE
4NP	100-02-7	4-NITROPHENOL
ACN	83-32-9	ACENAPHTHENE
ACY	208-96-8	ACENAPHTHYLENE
ATR	120-12-7	ANTHRACENE
BAA	56-55-3	BENZO(A)ANTHRACENE
BAP	50-32-8	BENZO(A)PYRENE
BBF	205-99-2	BENZO(B)FLUORANTHENE
BGP	191-24-2	BENZO(GH)PERYLENE
BKF	207-08-9	BENZO(K)FLUORANTHENE
BZA	65-85-0	BENZOIC ACID
BAL	100-51-6	BENZYL ALCOHOL
BBP	85-68-7	BENZYL BUTYL PHTHALATE
BEM	111-91-1	BIS(2-CHLOROETHOXY) METHANE
BET	111-44-4	BIS(2-CHLOROETHYL)ETHER
BIT	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER
BPH	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
CAF	58-08-2	CAFFEINE
CRY	218-01-9	CHRYSENE
DBP	84-74-2	DI-N-BUTYL PHTHALATE
DOP	117-84-0	DI-N-OCTYL PHTHALATE
DBA	53-70-3	DIBENZO(A,H)ANTHRACENE
DBF	132-64-9	DIBENZOFURAN
DEP	84-66-2	DIETHYL PHTHALATE
DMP	131-11-3	DIMETHYL PHTHALATE
FLA	206-44-0	FLUORANTHENE
FLE	86-73-7	FLUORENE
HBE	118-74-1	HEXACHLOROBENZENE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
HBU	87-68-3	HEXACHLOROBUTADIENE
HCP	77-47-4	HEXACHLOROCYCLOPENTADIENE
HET	67-72-1	HEXACHLOROETHANE
ICP	193-39-5	INDENO(1,2,3-CD)PYRENE
ISP	78-59-1	ISOPHORONE
NPR	621-64-7	N-NITROSODINPROPYLAMINE
NPH	86-30-6	N-NITROSODIPHENYLAMINE
NAP	91-20-3	NAPHTHALENE
NTB	98-95-3	NITROBENZENE
PCP	87-86-5	PENTACHLOROPHENOL
PAN	85-01-8	PHENANTHRENE
PHE	108-95-2	PHENOL
PYR	129-00-0	PYRENE
API	80-56-8	a-PINENE
DLI	5989-27-5	d-LIMONENE
111	71-55-6	1,1,1-TRICHLOROETHANE
11E	79-34-5	1,1,2,2-TETRACHLOROETHANE
112	79-00-5	1,1,2-TRICHLOROETHANE
11A	75-34-3	1,1-DICHLOROETHANE
1DE	75-35-4	1,1-DICHLOROETHENE
D3C		1,2-DIBROMO-3-CHLOROPROPANE
12E		1,2-DIBROMOETHANE
12B	95-50-1	1,2-DICHLOROBENZENE
12A	107-06-2	1,2-DICHLOROETHANE
DCE	540-59-0	1,2-DICHLOROETHENE (TOTAL)
12P	78-87-5	1,2-DICHLOROPROPANE
13B	541-73-1	1,3-DICHLOROBENZENE
14B	106-46-7	1,4-DICHLOROBENZENE
2BU	78-93-3	2-BUTANONE
2HX	591-78-6	2-HEXANONE
4M2	108-10-1	4-METHYL-2-PENTANONE
ACT	67-64-1	ACETONE
BEN	71-43-2	BENZENE
BCM		BROMOCHLOROMETHANE
BDM	75-27-4	BROMODICHLOROMETHANE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS (BLANKS)
ALL OBSERVATIONS (NO TICS)

MATRIX REPORT CHEMICAL LISTING

EDMS-001
12/16/92
PAGE: 5

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
BFM	75-25-2	BROMOFORM
BRM	74-83-9	BROMOMETHANE
CDS	75-15-0	CARBON DISULFIDE
CCL	56-23-5	CARBON TETRACHLORIDE
CBN	108-90-7	CHLOROBENZENE
CET	75-00-3	CHLOROETHANE
CFM	67-66-3	CHLOROFORM
CLM	74-87-3	CHLOROMETHANE
C12		CIS-1,2-DICHLOROETHYLENE
C13	10061-01-5	CIS-1,3-DICHLOROPROPENE
DBC	124-48-1	DIBROMOCHLOROMETHANE
EBN	100-41-4	ETHYLBENZENE
MCL	75-09-2	METHYLENE CHLORIDE
STY	100-42-5	STYRENE
PCE	127-18-4	TETRACHLOROETHENE
TOL	108-88-3	TOLUENE
T1E	156-60-5	TRANS-1,2-DICHLOROETHENE
T13	10061-02-6	TRANS-1,3-DICHLOROPROPENE
TCE	79-01-6	TRICHLOROETHENE
VAC	108-05-4	VINYL ACETATE
VC	75-01-4	VINYL CHLORIDE
XY	1330-20-7	XYLENE (TOTAL)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: VORG

EDMS-009
 12/16/92
 PAGE: 3

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
128	1,2-DICHLOROBENZENE	UG/L	1	1	1.0000	0.400	0.400	0.400	0.000
148	1,4-DICHLOROBENZENE	UG/L	1	1	1.0000	0.300	0.300	0.300	0.000
BDM	BROMODICHLOROMETHANE	UG/L	2	1	0.5000	0.300	0.300	0.300	0.000
CBN	CHLOROBENZENE	UG/L	2	1	0.5000	0.200	0.200	0.200	0.000
CFM	CHLOROFORM	UG/L	2	1	0.5000	0.300	0.300	0.300	0.000
MCI	METHYLENE CHLORIDE	UG/L	2	1	0.5000	2.000	2.000	2.000	0.000
TOL	TOLUENE	UG/L	2	1	0.5000	0.200	0.200	0.200	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL SUMMARY STATISTICS
STEPAN MAYWOOD - SEDIMENTS (BLANKS)
DETECTED OBSERVATIONS ONLY
SAMPLE ANALYSIS: SVOL

EDMS-009
12/16/92
PAGE: 2

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
DBP	DI-N-BUTYL PHTHALATE	UG/L	1	1	1.0000	3.000	3.000	3.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL SUMMARY STATISTICS
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 DETECTED OBSERVATIONS ONLY
 SAMPLE ANALYSIS: METAL

EDMS-009
 12/16/92
 PAGE: 1

Chemical Code	Chemical Name	Conc Units	Total Count	Detected Count	Detected Frequency	Detected Minimum	Detected Maximum	Detected Average	Standard Deviation
CA	CALCIUM	UG/L	1	1	1.0000	59.000	59.000	59.000	0.000
NA	SODIUM	UG/L	1	1	1.0000	265.000	265.000	265.000	0.000

REJECTED OBSERVATIONS ARE NOT INCLUDED IN ANY CALCULATIONS. DETECTED FREQUENCY = DETECTED COUNT/TOTAL COUNT.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 6

SAMPLE ID:	SD-FB-01	SD-TB-03
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD-FB-01	SD-FB-03
SAMPLE DATE:	07/20/1992	08/04/1992
SAMPLE TIME:		
SAMPLE MATRIX:	AQ	AQ
UPPER DEPTH:		
LOWER DEPTH:		
1,1,1-TRICHLOROETHANE UG/L	1UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	1UY	5UY
1,1,2-TRICHLOROETHANE UG/L	1UY	5UY
1,1-DICHLOROETHANE UG/L	1UY	5UY
1,1-DICHLOROETHENE UG/L	1UY	5UY
1,2-DIBROMO-3-CHLOROPROPANE UG/L	UYR	
1,2-DIBROMOETHANE UG/L	1UY	
1,2-DICHLOROBENZENE UG/L	0.4DYJ	
1,2-DICHLOROETHANE UG/L	1UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L		5UY
1,2-DICHLOROPROPANE UG/L	1UY	5UY
1,3-DICHLOROBENZENE UG/L	1UY	
1,4-DICHLOROBENZENE UG/L	0.3DYJ	
2-BUTANONE UG/L	UYR	UYR
2-HEXANONE UG/L	5UY	10UY
4-METHYL-2-PENTANONE UG/L	5UY	10UY
ACETONE UG/L	UYR	10UY
BENZENE UG/L	1UY	5UY
BROMOCHLOROMETHANE UG/L	1UY	
BROMODICHLOROMETHANE UG/L	0.3DYJ	5UY
BROMOFORM UG/L	1UY	5UY
BROMOMETHANE UG/L	1UY	10UY
CARBON DISULFIDE UG/L	1UY	5UY
CARBON TETRACHLORIDE UG/L	1UY	5UY
CHLOROBENZENE UG/L	0.2DYJ	5UY
CHLOROETHANE UG/L	1UY	10UY
CHLOROFORM UG/L	0.3DYJ	5UY
CHLOROMETHANE UG/L	1UY	10UY
CIS-1,2-DICHLOROETHYLENE UG/L	1UY	
CIS-1,3-DICHLOROPROPENE UG/L	1UY	5UY

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 7

SAMPLE ID:	SD-FB-01	SD-TB-03
SUB-SAMPLE ID:	00000	00000
STATION ID:	SD-FB-01	SD-FB-03
SAMPLE DATE:	07/20/1992	08/04/1992
SAMPLE TIME:		
SAMPLE MATRIX:	AQ	AQ
UPPER DEPTH:		
LOWER DEPTH:		

DIBROMOCHLOROMETHANE UG/L	1UY	5UY
ETHYLBENZENE UG/L	1UY	5UY
METHYLENE CHLORIDE UG/L	2DYJ	5UY
STYRENE UG/L	1UY	5UY
TETRACHLOROETHENE UG/L	1UY	5UY

TOLUENE UG/L	0.2DYJ	5UY
TRANS-1,2-DICHLOROETHENE UG/L	1UY	
TRANS-1,3-DICHLOROPROPENE UG/L	1UY	5UY
TRICHLOROETHENE UG/L	1UY	5UY
NYL ACETATE UG/L		10UY

VINYL CHLORIDE UG/L	1UY	10UY
XYLENE (TOTAL) UG/L	1UY	5UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 3

SAMPLE ID: SD-FB-01
 SUB-SAMPLE ID: 00000
 STATION ID: SD-FB-01
 SAMPLE DATE: 07/20/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

1,2,4-TRICHLOROBENZENE UG/L 10UY
 1,2-DICHLOROBENZENE UG/L 10UY
 1,3-DICHLOROBENZENE UG/L 10UY
 1,4-DICHLOROBENZENE UG/L 10UY
 2,4,5-TRICHLOROPHENOL UG/L 50UY

2,4,6-TRICHLOROPHENOL UG/L 10UY
 2,4-DICHLOROPHENOL UG/L 10UY
 2,4-DIMETHYLPHENOL UG/L 10UY
 2,4-DINITROPHENOL UG/L 50UY
 2,4-DINITROTOLUENE UG/L 10UY

2,6-DINITROTOLUENE UG/L 10UY
 2-CHLORONAPHTHALENE UG/L 10UY
 2-CHLOROPHENOL UG/L 10UY
 2-METHYLNAPHTHALENE UG/L 10UY
 2-METHYLPHENOL UG/L 10UY

2-NITROANILINE UG/L 50UY
 2-NITROPHENOL UG/L 10UY
 3,3'-DICHLOROBENZIDINE UG/L 20UY
 3-NITROANILINE UG/L 50UY
 4,6-DINITRO-2-METHYLPHENOL UG/L 50UY

4-BROMOPHENYL PHENYL ETHER UG/L 10UY
 4-CHLORO-3-METHYLPHENOL UG/L 10UY
 4-CHLOROANILINE UG/L 10UY
 4-CHLOROPHENYL PHENYL ETHER UG/L 10UY
 4-METHYLPHENOL UG/L 10UY

4-NITROANILINE UG/L 50UY
 4-NITROPHENOL UG/L 50UY
 ACENAPHTHENE UG/L 10UY
 ACENAPHTHYLENE UG/L 10UY
 ANTHRACENE UG/L 10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
 12/16/92
 PAGE: 4

SAMPLE ID: SD-FB-01
 SUB-SAMPLE ID: 00000
 STATION ID: SD-FB-01
 SAMPLE DATE: 07/20/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

BENZO(A)ANTHRACENE UG/L 10UY
 BENZO(A)PYRENE UG/L 10UY
 BENZO(B)FLUORANTHENE UG/L 10UY
 BENZO(GHI)PERYLENE UG/L 10UY
 BENZO(K)FLUORANTHENE UG/L 10UY

BENZOIC ACID UG/L 50UY
 BENZYL ALCOHOL UG/L 10UY
 BENZYL BUTYL PHTHALATE UG/L 10UY
 BIS(2-CHLOROETHOXY) METHANE UG/L 10UY
 BIS(2-CHLOROETHYL)ETHER UG/L 10UY

BIS(2-CHLOROISOPROPYL) ETHER UG/L 10UY
 BIS(2-ETHYLHEXYL)PHTHALATE UG/L 10UY
 CAFFEINE UG/L 10UY
 CHRYSENE UG/L 10UY
 DI-N-BUTYL PHTHALATE UG/L 3DYJ

DI-N-OCTYL PHTHALATE UG/L 10UY
 DIBENZO(A,H)ANTHRACENE UG/L 10UY
 DIBENZOFURAN UG/L 10UY
 DIETHYL PHTHALATE UG/L 10UY
 DIMETHYL PHTHALATE UG/L 10UY

FLUORANTHENE UG/L 10UY
 FLUORENE UG/L 10UY
 HEXACHLOROBENZENE UG/L 10UY
 HEXACHLOROBUTADIENE UG/L 10UY
 HEXACHLOROCYCLOPENTADIENE UG/L 10UY

HEXACHLOROETHANE UG/L 10UY
 INDENO(1,2,3-CD)PYRENE UG/L 10UY
 ISOPHORONE UG/L 10UY
 N-NITROSODIPROPYLAMINE UG/L 10UY
 N-NITROSODIPHENYLAMINE UG/L 10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADCS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS (BLANKS)
ALL OBSERVATIONS (NO TICS)
SAMPLE ANALYSIS: SEMI-VOLATILE ORGANICS

EDMS-001
12/16/92
PAGE: 5

SAMPLE ID:	SD-FB-01
SUB-SAMPLE ID:	00000
STATION ID:	SD-FB-01
SAMPLE DATE:	07/20/1992
SAMPLE TIME:	
SAMPLE MATRIX:	AQ
UPPER DEPTH:	
LOWER DEPTH:	

NAPHTHALENE UG/L	10UY
NITROBENZENE UG/L	10UY
PENTACHLOROPHENOL UG/L	50UY
PHENANTHRENE UG/L	10UY
PHENOL UG/L	10UY

PYRENE UG/L	10UY
a-PINENE UG/L	10UY
d-LIMONENE UG/L	10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 STEPAN MAYWOOD - SEDIMENTS (BLANKS)
 ALL OBSERVATIONS (NO TICS)
 SAMPLE ANALYSIS: PESTICIDES AND PCB'S

EDMS-001
 12/16/92
 PAGE: 2

SAMPLE ID: SD-FB-01
 SUB-SAMPLE ID: 00000
 STATION ID: SD-FB-01
 SAMPLE DATE: 07/20/1992
 SAMPLE TIME:
 SAMPLE MATRIX: AQ
 UPPER DEPTH:
 LOWER DEPTH:

4,4'-DDD UG/L 0.1UY
 4,4'-DDE UG/L 0.1UY
 4,4'-DDT UG/L 0.1UY
 ALDRIN UG/L 0.05UY
 ALPHA-CHLORDANE UG/L 0.5UY

AROCLOR-1016 UG/L 0.5UY
 AROCLOR-1221 UG/L 0.5UY
 AROCLOR-1232 UG/L 0.5UY
 AROCLOR-1242 UG/L 0.5UY
 AROCLOR-1248 UG/L 0.5UY

AROCLOR-1254 UG/L 1UY
 AROCLOR-1260 UG/L 1UY
 BHC-ALPHA UG/L 0.05UY
 BHC-BETA UG/L 0.05UY
 BHC-DELTA UG/L 0.05UY

BHC-GAMMA(LINDANE) UG/L 0.05UY
 DIELDRIN UG/L 0.1UY
 ENDOSULFAN I UG/L 0.05UY
 ENDOSULFAN II UG/L 0.1UY
 ENDOSULFAN SULFATE UG/L 0.1UY

ENDRIN UG/L 0.1UY
 ENDRIN KETONE UG/L 0.1UY
 GAMMA-CHLORDANE UG/L 0.5UY
 HEPTACHLOR UG/L 0.05UY
 HEPTACHLOR EPOXIDE UG/L 0.05UY

METHOXYCHLOR UG/L 0.5UY
 TOXAPHENE UG/L 1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
STEPAN MAYWOOD - SEDIMENTS (BLANKS)
ALL OBSERVATIONS (NO TICS)
SAMPLE ANALYSIS: INORGANICS

EDMS-001
12/16/92
PAGE: 1

SAMPLE ID: SD-FB-01
SUB-SAMPLE ID: 00000
STATION ID: SD-FB-01
SAMPLE DATE: 07/20/1992
SAMPLE TIME:
SAMPLE MATRIX: AQ
UPPER DEPTH:
LOWER DEPTH:

ALUMINUM UG/L 39UJ
ANTIMONY UG/L 7UJ
ARSENIC UG/L 2UYJ
BARIUM UG/L 3UY
BERYLLIUM UG/L 2UY

CADMIUM UG/L DYR
CALCIUM UG/L 59DYJ
CHROMIUM UG/L UYR
COBALT UG/L UYR
COPPER UG/L 7UJ

CYANIDE UG/L 5UYJ
IRON UG/L 21UY
LEAD UG/L 2UY
LITHIUM UG/L 9UYJ
MAGNESIUM UG/L 46UY

MANGANESE UG/L UYR
MERCURY UG/L 0.1UY
NICKEL UG/L UYR
POTASSIUM UG/L 61UY
SELENIUM UG/L DYR

SILVER UG/L 1UYJ
SODIUM UG/L 265DYJ
THALLIUM UG/L 2UY
VANADIUM UG/L UYR
ZINC UG/L 6UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D=detected, J=estimated, R=unusable, N= evidence of presence of material
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

CLIENT: CH2M HILL

REPORT DATE: August 19, 1992

SAMPLE ANALYZED: One sample analyzed for
TOTAL ORGANIC CARBON.

PROJECT #: 9207-00030
TCT ST. LOUIS ID #: 92004180

DATE RECEIVED: July 21, 1992
CLIENT PROJECT #:

TOTAL ORGANIC CARBON

DATE ANALYZED: 08/05/92

TCT-ST LOUIS ID NUMBER	SITE CODE	TOC (MG/L)
BLANK	-	< 1.0
92004180	SDFB01	< 1.0
STD RCVR (%)	10 MG/L STD	99%

TCT-ST. LOUIS

Sheet 1 of 2

TOC (Instrumental)

ACCEPTED

Analyst MH GwinDate 8/5/92AUG 7 1992 Project No. 9207, 9003

Checked By _____

Date _____

Mark J. Schuler

Range Setting 1.0 mL

Lab No.	Site Name	Sample Date			Inj.	Dil.	Instr. Reading		QC	
			WT	Vol			TOC mg/L		% REC.	% RPD
	10 mg/L						8.220	} 4.16		
							8.154			
							8.183			
ICV	10 mg/L						9.916		99.2	
ICB							0.567		<1.0	
LCS	10 mg/L						9.869		98.7	
Blank							.228		<1.0	
4410	SWFB3						.316	<1		
4190	SDFB01						.417	↓		
3978							5.082	5.1		
4163							8.810	8.8		
4351							ERROR			
↓						5X	2.884	14.4		

For Solids: $\text{Instrument Reading} \times (.040 \text{ mL}) = \text{mg/kg TOC}$
 $(\text{Sample gm}) \times (\% \text{ Solid})$

TCT-ST. LOUIS

TOC (Instrumental)

Sheet 2 of 2Analyst MH GuanDate 8/5/92

ACCEPTED

AUG 7 1992 Project No. 9207/903

Checked By _____

Date _____

Mark J. Schneider

Range Setting 1.0 mL

Lab No.	Site Name	Sample Date			Inj.	Dil	Instr. Reading		QC	
			WT	Vol			TOC mg/L		% REC.	% RPD
CCV	10 mg/L						9.797		98.0	
CCB							0.202	<10		
4352							2.995	3.0		
4353							2.584	3.6		
4354							2.754	2.8		
4355							ERROR			
4352	Dup						3.511	3.5		±10.0%
4355						10X	6.308	63.1		
4356							8.445	8.4		
4521							2.839	2.8		
CCV	10 mg/L						9.892	9.9	98.9	
CCB							0.254	<10		

Mark J. Schneider
8/5/92

For Solids: Instrument Reading x (.040 mL) = mg/kg TOC
 (Sample gm) x (% Solid)

MHua 6/5/92
SELFTEST
NO ERRORS 9207/9003

1 TOC 8.228
2 TOC 8.154
3 TOC 8.183 } calib

CAL -- 1 ML
CAL AVE 8.185
CAL ADJ 9.997

1 TOC 9.916 JCV
2 TOC 8.567 JCB
3 TOC 9.869 W5
4 TOC 8.228 P.B
5 TOC 8.316 4410
6 TOC 8.417 4180
7 TOC 5.882 3978
8 TOC 8.818 4163
9 TOC 15.79 4351
9 CANCELLED

TIMEOUT ERROR< 10%

10 TOC 2.884 4351
11 ~~TOC 5.837~~ MHua 4392
12 TOC 9.797 CCV
13 TOC 8.282 CCB
14 TOC 2.995 4352
15 TOC 3.584 4353
16 TOC 2.754 4354
17 TOC 34.86 4355
17 CANCELLED

TIMEOUT ERROR< 10% -

18 TOC 3.511 4352
19 TOC 6.388 4355
20 TOC 8.445 4356
21 TOC 2.839 4521
22 TOC 9.892 CCV
23 TOC 8.254 CCB

STANDARD Sources

Calibration Seeds

ICV - CCV SMS

Source

F-754735

F-870800

Prep Date

8/5/92

8/5/92

Prep By

MIT Grain

MH Grain