Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

FEB 1 3 1989

Mr. Stan Arlt
City of Richland
Water Division
505 Swift Blvd.
Richland, WA 99352

START

Dear Mr. Arlt:

ANALYTICAL DATA FROM NORTH RICHLAND WELLS

Attached are analytical results for ground-water samples taken November 7 and November 11, 1988, from the five wells we recently constructed in the DOE 1100 and 3000 Areas as Paul Dunigan of my staff discussed with you (Attachment 1). Results for all constituents are below drinking water standards. A single volatile organic constituent (methylene chloride) was detected initially in three of the samples. Methylene chloride was not expected to be present in the ground-water at the site and its presence in the samples was believed to be attributable to contamination during sampling.

The wells were resampled on November 11 and 14, 1988, and reanalyzed (Attachment 2). The results confirm that the initial sample was contaminated during sampling. Trace concentrations of several volatile organic constituents were observed in the wells, although all concentrations were well below the maximum contaminant levels (MCL) established by the Environmental Protection Agency (40 CFR 141).

We will continue to sample these wells on a regular basis, and will provide analytical data to you as it becomes available. If you have any questions concerning the data or our sampling program, please contact Paul Dunigan on 376-6667.

Sincerely,

ORIGINAL SIGNED BY
R.A. HOLTEN

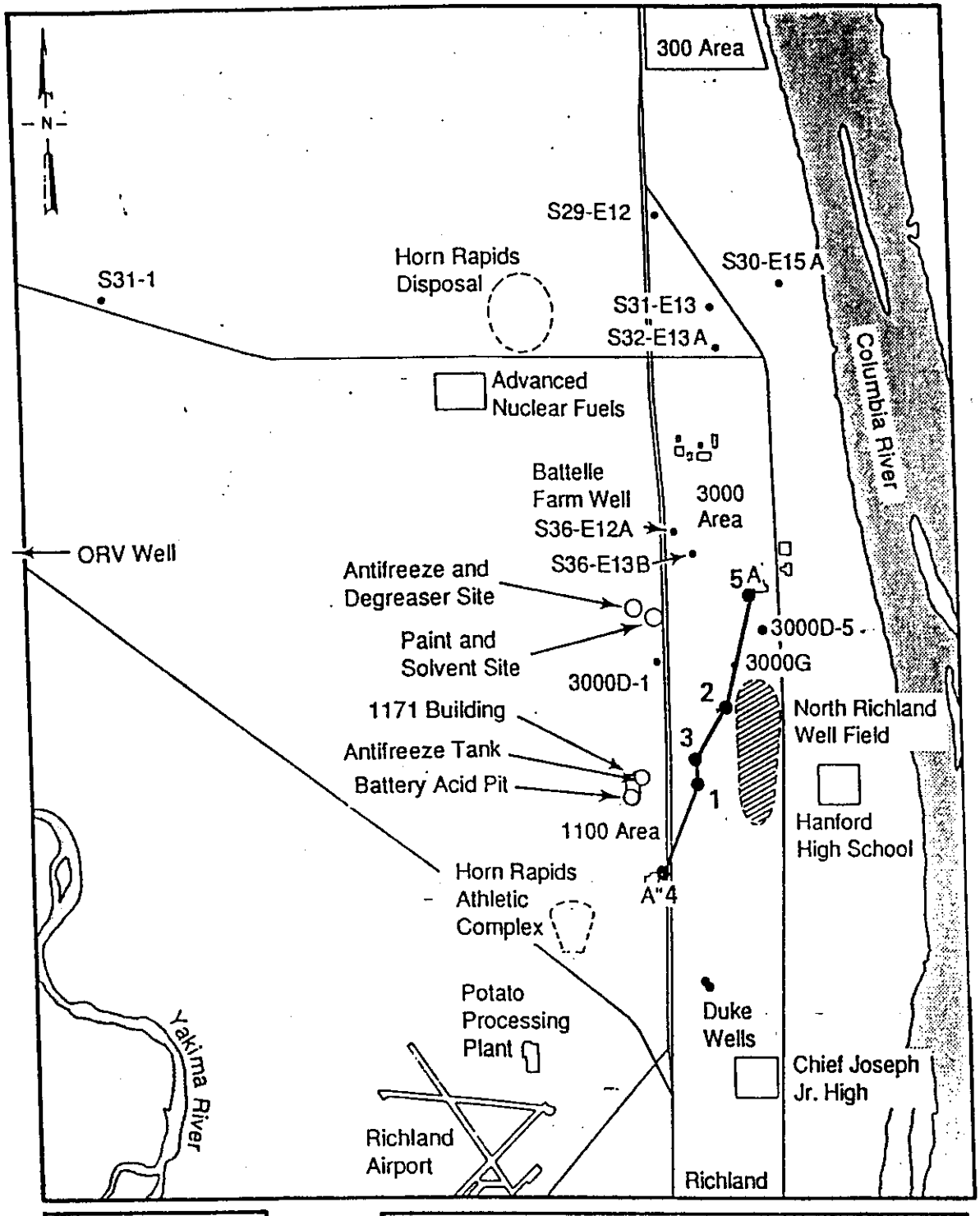
R. A. Holten, Director
Safety and Environment Division

SED:PFXD

Attachments

1) Analytical Results
2) Methylene Chloride Analyses

Inserted. Not included in City of Richland letter.



1100 Area Well Numbers
1 = 699-S41-E13A
2 = 699-S40-E14
3 = 699-S41-E13B
4 = 699-S43-E12
5 = 699-S37-E14

- 3000G - Location of Existing Wells Sampled
- A — A" 1100 Area Cross Section
- 1100 Area Monitoring Wells (New wells)
- North Richland Well Field

Attachment 2 Methylene Chloride Analyses

Methylene Chloride Analyses for Samples
from Wells in Vicinity of 1100 Area

Well	Methylene Chloride Concentration in parts per billion (ppb)				
	Sample Date	UST Analyses*	PNL Analyses **	Resample Date	PNL Analyses **
Well 1	11/7/88	12	7	11/14/88	<3
Well 2	11/7/88	72	44	11/11/88	<3
Well 3	11/7/88	<10	<3	11/14/88	<3
Well 4	11/7/88	78	48	11/11/88	<3
Well 5	11/6/88	<10	<3	11/11/88	<3

*DL = 10
**DL = 3

DL = Detection limit.

Attachment 1 Results of analyses from November 7, 1988. (7 pages)

Results of chemical analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area. Analyses were conducted by US Testing.

Constituent	Concentration (ppb unless otherwise stated)					
	Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
Nitrate	7.8 ppm	1.0 ppm	4.0 ppm	21.2 ppm	3.0 ppm	10ppm as Nitrogen
Chloride	4.9 ppm	0.9 ppm	8.1 ppm	43.0 ppm	2.1 ppm	250 ppm
Fluoride	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	1.4 - 2.4 ppm
Sulfate	11.6 ppm	11.9 ppm	11.5 ppm	26.9 ppm	11.5 ppm	250 ppm
Phosphate	< 1 ppm	< 1 ppm	< 1 ppm	< 1 ppm	< 1 ppm	NR
TOX	<13	44	<8.0	59	61	NR
TOC	< 700	< 600	< 700	1.2 ppm	< 600	NR
TC	32.6 ppm	16.9 ppm	47.8 ppm	53.6 ppm	20.2 ppm	NR
pH	7.6	7.6	7.5	7.6	7.8	6.5 - 8.5 pH units
Alkalinity	142 ppm	73 ppm	214 ppm	234 ppm	89.5 ppm	NR
GFAA Metals						
Arsenic	< 5	< 5	< 5	< 5	< 5	50
Selenium	< 5	< 5	< 5	< 5	< 5	10
Lead	< 5	< 5	< 5	< 5	< 5	50
Thallium	< 5	< 5	< 5	< 5	< 5	NR
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2

Results of chemical analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area (continued).

Constituent	Concentration (ppb unless otherwise stated)					
	Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
ICP Metals						
Zinc	< 5	170	65.1	59.2	< 5	5000
Calcium	39.1 ppm	23.3 ppm	57.9 ppm	88.1 ppm	28.1ppm	NR
Barium	32.9	15.9	57.9	58.6	18.7	1000
Cadmium	< 2	< 2	< 2	< 2	< 2	10
Chromium	< 10	< 10	< 10	< 10	< 10	50
Silver	<10	<10	<10	<10	<10	50
Sodium	7.76 ppm	2.43 ppm	16.60 ppm	24.70 ppm	4.50 ppm	NR
Nickel	< 10	< 10	< 10	< 10	< 10	NR
Copper	<10	<10	<10	<10	<10	1000
Vanadium	6.33	< 5	<5	7.51	5.97	NR
Aluminum	< 150	< 150	< 150	< 150	< 150	NR
Manganese	57.1	5.6	176	70.3	6.3	50
Potassium	4.81 ppm	1.18 ppm	5.86 ppm	8.37 ppm	2.29 ppm	NR
Iron	< 30	< 30	36	34.3	< 30	300
Magnesium	8.3 ppm	4.6 ppm	12.2 ppm	16.4 ppm	5.1 ppm	NR
Beryllium	< 5	< 5	< 5	< 5	< 5	NR
Strontium	175	104	264	368	106	NR
Antimony	< 100	< 100	< 100	< 100	< 100	NR
Pesticides						
Endrin	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
Methoxychlor	<3	<3	<3	<3	<3	100
Toxaphene	<1.0	<1.0	<1.0	<1.0	<1.0	5
Alpha BHC	<0.1	<0.1	<0.1	<0.1	<0.1	5
Beta BHC	<0.1	<0.1	<0.1	<0.1	<0.1	5
Gamma BHC	<0.1	<0.1	<0.1	<0.1	<0.1	5
Delta BHC	<0.1	<0.1	<0.1	<0.1	<0.1	5

Results of chemical analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area (continued).

Constituent	Concentration (ppb unless otherwise stated) Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
VOAs						
Carbon Tetrachloride	< 5	< 5	< 5	< 5	< 5	5
Methone	<10	<10	<10	<10	<10	NR
1,1,1-T	<5	<5	<5	<5	<5	200
1,1,2-T	<5	<5	<5	<5	<5	NR
TCE	<5	<5	<5	<5	<5	5
PCE	<5	<5	<5	<5	<5	NR
Opxylen	<5	<5	<5	<5	<5	NR
Chloroform	<5	<5	<5	<5	<4	100[1]
Methylene Chloride	12[2]	72[2]	<10	78[2]	<10	NR
M-xyle	<5	<5	<5	<5	<5	NR
Hexone	<10	<10	<10	<10	<10	NR

Note:

Methone = Methylethyl Ketone
1,1,2-T = 1,1,2 Trichloroethane
PCE = Perchloroethene
M-xyle = Meta Xylene
1,1,1-T = 1,1,1 Trichloroethane
TCE = Trichloroethylene
Opxylen = Ortha Para Xylene
Hexone = Methyl Isobutyl Ketone

1 = Total Trihalomethane must be less than 100 ppb.
2 = Methylene Chloride below detection for samples collected November 11 and 14 , 1988 and analysed by PNL indicating samples collected November 7, 1988 and analysed by US Testing and PNL were contaminated with methylene chloride during sample collection process.
NR = Not regulated in ground water, no MCL or regulatory limit has been established

Results of chemical analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area (continued).

Constituent	Concentration (ppb unless otherwise stated)					
	Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
Herbicides	<2.0	<2.0	<2.0	<2.0	<2.0	10-100
Ethylene Glycol	< 10 ppm	< 10 ppm	< 10 ppm	< 10 ppm	< 10 ppm	NR
PCB	<1.0	<1.0	<1.0	<1.0	<1.0	NR
ABNs[1]	<detect	<detect	<detect	<detect	<detect	

1 = Semi-Volatile Organic constituents (ABNs) have varying detection limits.

Results of volatile organic analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area. Analyses were conducted by PNL.

Constituent	Concentration (ppb unless otherwise stated)					
	Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
VOAs						
Methylene Chloride	7(<3)*	44(<3)*	<3	48(<3)*	<3	NR
Chloroform	0.30	0.25	0.57	0.28	4.2	100[1]
1,1,1-T	0.03	<0.02	0.02	0.04	0.31	200
Carbon Tetrachloride	<0.01	<0.01	<0.01	<0.01	<0.01	5
TCE	0.02	<0.02	0.09	0.11	0.07	5
BDCM	<0.01	<0.01	<0.01	<0.01	0.01	100[1]
PCE	0.11	<0.01	0.20	0.02	0.12	NR

Note:
1,1,1-T = 1,1,1 - Trichloroethane
TCE = Trichloroethylene
BDCM = Bromodichloromethane
PCE = Perchloroethylene

*. Methylene Chloride below detection for samples collected November 11 and 14 , 1988 and analysed by PNL indicating samples collected November 7, 1988 and analysed by US Testing and PNL were contaminated with methylene chloride during sample collection process.
1 = Total Trihalomethane must be less than 100 ppb.

Results of volatile organic analyses of ground-water samples collected November 11 and 14, 1988 from five new wells in the vicinity of the 1100 Area. Analyses were conducted by PNL.

Constituent	Concentration (ppb unless otherwise stated)					
	Well 1	Well 2	Well 3	Well 4	Well 5	Maximum Contaminant Level
VOAs						
Methylene Chloride	<3	<3	<3	<3	<3	NR
Chloroform	0.29	0.57	0.56	0.31	5.3	100[1]
1,1,1-T	<0.02	<0.02	0.03	0.02	0.35	200
Carbon Tetrachloride	<0.01	<0.01	<0.01	<0.01	<0.01	5
TCE	0.03	<0.02	0.10	0.14	0.08	5
BDCM	<0.01	0.03	<0.01	<0.01	0.15	100[1]
PCE	0.12	<0.01	0.22	0.02	0.13	NR

Note:
1,1,1-T = 1,1,1 - Trichloroethane
TCE = Trichloroethylene
BDCM = Bromodichloromethane
PCE = Perchloroethylene
1 = Total Trihalomethane must be less than 100 ppb.

Results of radiological analyses of ground-water samples collected November 7, 1988 from five new wells in the vicinity of the 1100 Area. Analyses were conducted by US Testing. Analytical result and (+/-) overall error are reported.

Constituent	Concentration (pCi/L)					
	Well 1	Well 2	Well 3	Well 4	Well 5	MCL[1]
Alpha	8.2+/-2.42	1.27+/-0.92	6.57+/-2.34	8.61+/-3.79	1.91+/-1.18	15
Beta	15.5+/-6.23	1.32+/-2.96	11.3+/-4.84	10.6+/-5.45	3.59+/-3.56	4millirem/yr
Uranium	2.24 +/-0.76	0.57+/-0.26	2.13 +/-0.70	3.76+/-1.16	0.39+/-0.21	NR
Tritium	-32.2+/-329	61.1+/-334	126+/-338	168+/-340	232+/-343	20,000

1 = Maximum Contaminant Level

UST-RD I.D.: 64066

CUST I.D.: 4972-D

ANALYST: CI/JLM

ALIQUOT: 1000 ml

DATE EXTRACTED: 11/7/88

DATE ANALYZED: 11/10/88

DILUTION: —

MATRIX: water

COMPOUND	CODE	MDL SOIL	MDL WATER	FOUND	REPORTED
ANILINE	B26	< 1.0 ug/g	< 10 ppb	ND	< 10 ppb
BENZ(A)ANTHRACENE	B30	< 1.0 ug/g	< 10 ppb		
BENZIDINE	B33	< 1.0 ug/g	< 10 ppb		
BENZO(B)FLUORANTHENE	B34	< 1.0 ug/g	< 10 ppb		
BIS(2-CHLOROETHOXY)METHANE	B38	< 1.0 ug/g	< 10 ppb		
BIS(2-CHLOROETHYL)ETHER	B39	< 1.0 ug/g	< 10 ppb		
BIS(2-ETHYLHEXYL)PHTHALATE	B40	< 1.0 ug/g	< 10 ppb		
4-BROMOPHENYL PHENYL ETHER	B41	< 1.0 ug/g	< 10 ppb		
BUTYL BENZYL PHTHALATE	B42	< 1.0 ug/g	< 10 ppb		
P-CHLOROANILINE	B45	< 1.0 ug/g	< 10 ppb		
P-CHLORO M-CRESOL	B46	< 1.0 ug/g	< 10 ppb		
2-CHLORONAPHTHALENE	B48	< 1.0 ug/g	< 10 ppb		
2-CHLOROPHENOL	B49	< 1.0 ug/g	< 10 ppb		
CHRYSENE	B50	< 1.0 ug/g	< 10 ppb		
DIBENZ(A,H)ANTHRACENE	B55	< 1.0 ug/g	< 10 ppb		
DI-N-BUTYL PHTHALATE	B60	< 1.0 ug/g	< 10 ppb		
1,2-DICHLOROBENZENE	B61	< 1.0 ug/g	< 10 ppb		
1,3-DICHLOROBENZENE	B62	< 1.0 ug/g	< 10 ppb		
1,4-DICHLOROBENZENE	B63	< 1.0 ug/g	< 10 ppb		
3,3'-DICHLOROBENZIDINE	B64	< 2.0 ug/g	< 20 ppb		< 20 ppb

DELIVERED NOV 11 1988

UKT
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DR79 62-P10

DIETHYL PHTHALATE	B67	< 1.0 ug/g	< 10 ppb		
2,4-DIMETHYLPHENOL	B75	< 1.0 ug/g	< 10 ppb		
DIMETHYL PHTHALATE	B76	< 1.0 ug/g	< 10 ppb		
4,6-DINITRO-O-CRESOL	B78	< 1.0 ug/g	< 10 ppb		
2,4-DINITROTOLUENE	B80	< 1.0 ug/g	< 10 ppb		
2,6-DINITROTOLUENE	B81	< 1.0 ug/g	< 10 ppb		
DI-N-OCTYL PHTHALATE	B82	< 1.0 ug/g	< 10 ppb		
1,2-DIPHENYLHYDRAZINE	B84	< 1.0 ug/g	< 10 ppb		
FLUORANTHENE	B88	< 1.0 ug/g	< 10 ppb		
HEXACHLOROBENZENE	B89	< 1.0 ug/g	< 10 ppb		
HEXACHLOROBUTADIENE	B90	< 1.0 ug/g	< 10 ppb		
HEXACHLOROCYCLOPENTADIENE	B91	< 1.0 ug/g	< 10 ppb		
HEXACHLOROETHANE	B92	< 1.0 ug/g	< 10 ppb		
INDENO(1,2,3-CD)PYRENE	B93	< 1.0 ug/g	< 10 ppb		
HEXACHLOROPHENE	C54	< 1.0 ug/g	< 10 ppb		
NAPHTHALENE	C55	< 1.0 ug/g	< 10 ppb		
NITROBENZINE	C12	< 1.0 ug/g	< 10 ppb		
N-NITROSODIMETHYLAMINE	C17	< 1.0 ug/g	< 10 ppb		
PHENOL	C57	< 1.0 ug/g	< 10 ppb		
1,2,4-TRICHLOROBENZENE	C43	< 1.0 ug/g	< 10 ppb		
2,4-DINITROPHENOL	B79	< 5.0 ug/g	< 50 ppb		< 50 ppb
4-NITROPHENOL	C13	< 5.0 ug/g	< 50 ppb		
PARA-NITROANILINE	C11	< 5.0 ug/g	< 50 ppb		
PENTACHLOROPHENOL	C28	< 5.0 ug/g	< 50 ppb		
2,4,5-TRICHLOROPHENOL	C44	< 5.0 ug/g	< 50 ppb		

				NV	< 10 ppb
1,2,3-TRICHLOROBENZENE	C56	< 1.0 ug/g	< 10 ppb		
1,3,5-TRICHLOROBENZENE	C58	< 1.0 ug/g	< 10 ppb		
1,2,4,5-TETRACHLOROBENZENE	C37	< 1.0 ug/g	< 10 ppb		
1,2,3,4-TETRACHLOROBENZENE	C59	< 1.0 ug/g	< 10 ppb		
1,2,3,5-TETRACHLOROBENZENE	C60	< 1.0 ug/g	< 10 ppb		
PENTACHLOROBENZENE	C26	< 1.0 ug/g	< 10 ppb		
CRESOLS	B51	< 1.0 ug/g	< 10 ppb		
N-NITROSODINPROPYLAMINE	B85	< 1.0 ug/g	< 10 ppb		
BENZO(A)PYRENE	C49	< 1.0 ug/g	< 10 ppb		
BIS(2-CHLOROISOPROPYL) ETHER	C51	< 1.0 ug/g	< 10 ppb		
TRIBUTYLPHOSPHATE	I21	< 1.0 ug/g	< 10 ppb		

THE FOLLOWING 9905 COMPOUNDS HAVE BEEN FORWARD SEARCHED:

COMPOUND	CODE	SOIL	WATER	EST. CONC.
ACETOPHENONE	B20	< 1.0 ug/g	< 10 ppb	< 10 ppb
WARFARIN	B21	< 1.0 ug/g	< 10 ppb	
2-ACETYLAMINOFLUORENE	B22	< 1.0 ug/g	< 10 ppb	
4-AMINOBYPHENYL	B23	< 1.0 ug/g	< 10 ppb	
5-(AMINOMETHYL)-3-ISOXAZOLOL	B24	< 1.0 ug/g	< 10 ppb	
AMITROLE	B25	< 1.0 ug/g	< 10 ppb	
ARAMITE	B27	< 1.0 ug/g	< 10 ppb	
AURAMINE	B28	< 1.0 ug/g	< 10 ppb	
BENZ(C)ACRIDINE	B29	< 1.0 ug/g	< 10 ppb	
BENZENE, DICHLOROMETHYL	B31	< 1.0 ug/g	< 10 ppb	
BENZEMETHOIL	B32	< 1.0 ug/g	< 10 ppb	
P-BENZOQUINONE	B36	< 1.0 ug/g	< 10 ppb	
BENZYL CHLORIDE	B37	< 1.0 ug/g	< 10 ppb	
2-SEC-BUTYL-4,6-DINITROPHENOL	B43	< 1.0 ug/g	< 10 ppb	

1-CHLORO-2,3-EPOXYPROPANE	B47	< 1.0 ug/g	< 10 ppb	
2-CYCLOHEXYL-4,6-DINITROPHENOL	B52	< 1.0 ug/g	< 10 ppb	
DIBENZ(A,H)ACRIDINE	B53	< 1.0 ug/g	< 10 ppb	
DIBENZ(A,J)ACRIDINE	B54	< 1.0 ug/g	< 10 ppb	
7H-DIBENZO(C,G)CARBAZOLE	B56	< 1.0 ug/g	< 10 ppb	
DIBENZO(A,E)PYRENE	B57	< 1.0 ug/g	< 10 ppb	
DIBENZO(A,H)PYRENE	B58	< 1.0 ug/g	< 10 ppb	
DIBENZO(A,I)PYRENE	B59	< 1.0 ug/g	< 10 ppb	
2,6-DICHLOROPHENOL	B66	< 1.0 ug/g	< 10 ppb	
DIHYDROSAFROLE	B68	< 1.0 ug/g	< 10 ppb	
3,3'-DIMETHOXYBENZIDINE	B69	< 1.0 ug/g	< 10 ppb	
P-DIMETHYLAMINOAZOBENZENE	B70	< 1.0 ug/g	< 10 ppb	
7,12-DIMETHYLBENZ(A)ANTHRACENE	B71	< 1.0 ug/g	< 10 ppb	
3,3'-DIMETHYLBENZIDINE	B72	< 1.0 ug/g	< 10 ppb	
THIOFANOX	B73	< 1.0 ug/g	< 10 ppb	
ALPHA, ALPHA-DIMETHYLPHENETHYL-AMINE	B74	< 1.0 ug/g	< 10 ppb	
DINITROBENZENE	B77	< 1.0 ug/g	< 10 ppb	
DIPHENYLAMINE	B83	< 1.0 ug/g	< 10 ppb	
ETHYLENEIMINE	B86	< 1.0 ug/g	< 10 ppb	
ETHYL METHANESULFONATE	B87	< 1.0 ug/g	< 10 ppb	
ISOSAFROLE	B94	< 1.0 ug/g	< 10 ppb	
MALONONITRILE	B95	< 1.0 ug/g	< 10 ppb	
MALPHALAN	B96	< 1.0 ug/g	< 10 ppb	
METHAPYRILENE	B97	< 1.0 ug/g	< 10 ppb	
MATHOLONYL	B98	< 1.0 ug/g	< 10 ppb	

3-METHYLCHOLANTHRENE	C01	< 1.0 ug/g	< 10 ppb	
4,4'-METHYLENEBIS(2-CHLORO-ANILINE)	C02	< 1.0 ug/g	< 10 ppb	
2-METHYLLACTONITRILE	C03	< 1.0 ug/g	< 10 ppb	
METHYL METHANESULFONATE	C05	< 1.0 ug/g	< 10 ppb	
2-METHYL-2-(METHYLTHIO)PROPION-ALDEHYDE-O-(METHYLCARBONYL) OXIME	C06	< 1.0 ug/g	< 10 ppb	
METHYLTHIOURACIL	C07	< 1.0 ug/g	< 10 ppb	
1,4-NAPHTHOQUINONE	C08	< 1.0 ug/g	< 10 ppb	
1-NAPHTHYLAMINE	C09	< 1.0 ug/g	< 10 ppb	
2-NAPHTHYLAMINE	C10	< 1.0 ug/g	< 10 ppb	
N-NITROSODI-N-BUTYLAMINE	C14	< 1.0 ug/g	< 10 ppb	
N-NITROSODIETHANOLAMINE	C15	< 1.0 ug/g	< 10 ppb	
N-NITROSODIETHYLAMINE	C16	< 1.0 ug/g	< 10 ppb	
N-NITROSOMETHYLETHYLAMINE	C18	< 1.0 ug/g	< 10 ppb	
N-NITROSO-N-METHYLURETHANE	C19	< 1.0 ug/g	< 10 ppb	
N-NITROSOMETHYLVINYLAMINE	C20	< 1.0 ug/g	< 10 ppb	
N-NITROSOMORPHOLINE	C21	< 1.0 ug/g	< 10 ppb	
N-NITROSONORNICOTINE	C22	< 1.0 ug/g	< 10 ppb	
N-NITROSONOPIPERIDINE	C23	< 1.0 ug/g	< 10 ppb	
NITROSOPYRROLIDINE	C24	< 1.0 ug/g	< 10 ppb	
5-NITRO-O-TOLUIDINE	C25	< 1.0 ug/g	< 10 ppb	
PENTACHLORONITROBENZENE	C27	< 1.0 ug/g	< 10 ppb	
PHENACETIN	C29	< 1.0 ug/g	< 10 ppb	
PHENYLENEDIAMINE	C30	< 1.0 ug/g	< 10 ppb	
PHTHALIC ACID ESTERS	C31	< 1.0 ug/g	< 10 ppb	

PRONAMIDE	C33	< 1.0 ug/g	<10 ppb	<10 ppb
RESERPINE	C34	< 1.0 ug/g	< 10 ppb	
RESCORZINOL	C35	< 1.0 ug/g	< 10 ppb	
SAFROL	C36	< 1.0 ug/g	< 10 ppb	
2,3,4,6-TETRACHLOROPHENOL	C39	< 1.0 ug/g	< 10 ppb	
THIURAM	C40	< 1.0 ug/g	< 10 ppb	
TOLUENEDIAMINE	C41	< 1.0 ug/g	< 10 ppb	
O-TOLUIDINE HYDROCHLORIDE	C42	< 1.0 ug/g	< 10 ppb	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	C46	< 1.0 ug/g	< 10 ppb	
SYM-TRINITROBENZENE	C47	< 1.0 ug/g	< 10 ppb	
TRIS(2,3-DIBROMOPROPYL)-PHOSPHATE	C48	< 1.0 ug/g	< 10 ppb	
CHLORONAPHAZINE	C50	< 1.0 ug/g	< 10 ppb	
HEXACHLOROPROPENE	C52	< 1.0 ug/g	< 10 ppb	
KEROSENE	C79	< 1000 ug/g	< 10 ppm	<10 ppm
MALEIC HYDRAZIDE	C92	< 50 ug/g	< 500 ppb	<500 ppb
NICOTINIC ACID	C93	< 10 ug/g	< 100 ppb	<100 ppb
STRYCHNINE	C91	< 5 ug/g	< 50 ppb	<50 ppb
BENZO(J)FLOURANTHENE	B35	< 1.0 ug/g	< 10 ppb	<10 ppb

TENTATIVELY IDENTIFIED COMPOUNDS (>25% OF NEAREST I.S.)

COMPOUND	CODE	EST. CONC.
T1:		
T2:		
T3:		
T4:		
T5:		