QUALIFIERS

B – Indicates compound was found in daily calibration blank.

J – Indicates compound was detected < than the MDL (Method Detection Limit) or result was estimated.

U – Indicates compound was not detected.

NA – Not Analyzed

TABLE 2-1
MONTHLY AND ANNUAL MEAN DISCHARGES
OF SOUTH FORK SKYKOMISH RIVER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Year	DISCHARGE (CFS)												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1930	263.2	229.3	671	354	1941	1154	2219	1811	1575	727	329.1	261.5	952
1931	566	633	534	1078	1139	1388	1515	2581	1788	660	321.9	347	1045
1947	868	802	2193	1462	1521	1526	2296	3385	2450	1150	474	421.4	1546
1948	1857	1938	1535	870	721	657	1308	3616	5020	1609	711	4158	1700
1949	1034	1119	868	451	754	1106	1959	4500	3322	1907	749	583	1534
Mean	918	944	1160	843	1215	1166	1859	3179	2831	1211	517	1154	1355

NOTE:

Discharge data is the sum of the South Fork Skykomish River above the confluence with the Beckler River (USGS, 1984).

TABLE 3-1
COMPOSITION OF DIESEL FUEL #2

COMPONENT	% VOLUME	COMPONENT	VOLUME (v/v)
C_{10} paraffins	0.9	C_{15} paraffins	7.4
C_{10} cycloparaffins	0.6	C_{15} cycloparaffins	5.5
C_{10} aromatics	0.4	C_{15} aromatics	3.2
C_{11} paraffins	2.3	C_{16} paraffins	5.8
C_{11} cycloparaffins	0.6	C_{16} cycloparaffins	4.4
C_{11} aromatics	0.4	C_{16} aromatics	2.5
C_{12} paraffins	3.8	C_{17} paraffins	5.5
C_{12} cycloparaffins	2.8	C_{17} cycloparaffins	4.1
C_{12} aromatics	1.6	C_{17} aromatics	2.4
C_{13} paraffins	6.4	C_{18} paraffins	4.3
C_{13} cycloparaffins	4.8	C_{18} cycloparaffins	3.2
C_{13} aromatics	2.8	C_{18} aromatics	1.8
C_{14} paraffins	8.8	C_{19} paraffins	0.7
C_{14} cycloparaffins	6.6	C_{19} cycloparaffins	0.6
C_{14} aromatics	3.8	C_{19} aromatics	0.3
		Total	**98.3%**

Source: **McKetta**, J., 1965.

TABLE 3-2
Physical / Chemical Properties of Selected PAH Compounds

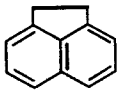
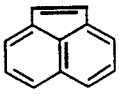
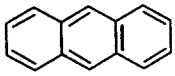
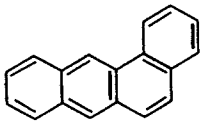
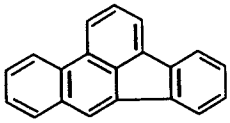
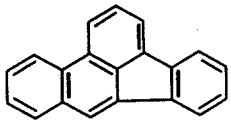
Name (and Synonyms) (a)	CAS Reg. No.	# of Rings	Formula	Mol. Wt.	Physical Property (b)	Structure
* Acenaphthene 1, 2-Dihydroacenaphthylene Peri-Ethylenenaphthylene 1:8 Dimethylane-naphthalene	83-32-9	3	$C_{12}H_{10}$	154	Sol = 3.42 M.P. = 95°C B.P. = 278°C H = 9.2×10^{-5} V.P. = 1.55×10^{-3} Koc = 4,600 log Kow = 4.0	
* Acenaphthylene	208-96-8	3	$C_{12}H_8$	152	Sol = 3.93 M.P. = 92°C B.P. = 265°C H = 1.48×10^{-3} V.P. = 2.90×10^{-2} Koc = 2,500 log Kow = 3.70	
* Anthracene	120-12-7	3	$C_{14}H_{10}$	178	Sol = 0.045 M.P. = 217°C B.P. = 340°C H = 1.02×10^{-3} V.P. = 1.95×10^{-4} Koc = 14,000 log Kow = 4.45	
* ≠ Benz (a) Anthracene tetraphene 1, 2-Benzanthracene 2, 3-Benzophenanthrene	56-55-3	4	$C_{18}H_{12}$	228	Sol = 0.0057 M.P. = 157-162°C B.P. = 438°C H = 1.16×10^{-6} V.P. = 2.2×10^{-8} Koc = 1,380,000 log Kow = 5.6	
* ≠ Benzo (b) fluoranthene Benzo (e) acephenanthrylene 2, 3-Benzofluoranthene	205-99-2	5	$C_{20}H_{12}$	252	Sol = 0.0014 M.P. = 167°C B.P. = 481°C V.P. = 5.0×10^{-7} H = 1.19×10^{-5} Koc = 550,000 log Kow = 6.06	
* Benzo (k) fluoranthene 8.9-Benzofluoranthene 11, 12-Benzofluoranthene	207-08-9	5	$C_{20}H_{12}$	252	Sol = 0.0043 M.P. = 215°C B.P. = 480°C V.P. = 5.6×10^{-7} H = 3.94×10^{-5} Koc = 550,000 log Kow = 6.06	

TABLE 3-2 (Continued)

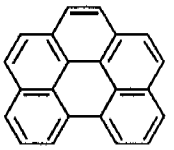
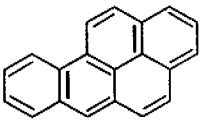
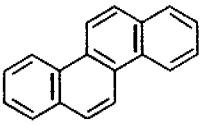
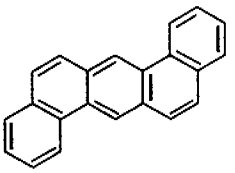
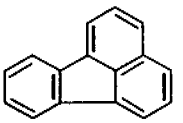
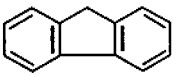
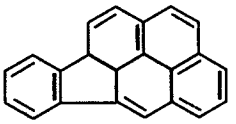
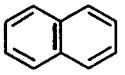
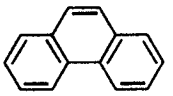
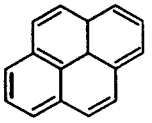
Name (and Synonyms) (a)	CAS Reg. No.	# of Rings	Formula	Mol. Wt.	Physical Property (b)	Structure
* Benzo (ghi) Perylene 1, 12-Benzoperylene	191-24-2	6	$C_{22}H_{12}$	276	Sol = 0.0007 M.P. = 273°C B.P. = +500°C V.P. = 1.03×10^{-10} H = 5.34×10^{-8} Koc = 1,600,000 log Kow = 6.51	
* ≠ Benzo (a) Pyrene 1, 2-Benzopyrene 3, 4-Benzopyrene	50-32-8	5	$C_{20}H_{12}$	252	Sol = 0.0012 M.P. = 178°C B.P. = 495°C H = 1.5×10^{-6} V.P. = 5.6×10^{-9} Koc = 5,500,000 log Kow = 6.06	
* ≠ Chrysene	218-01-9	4	$C_{18}H_{12}$	228	Sol = 0.0018 M.P. = 245-256°C B.P. = 436-448°C V.P. = 6.3×10^{-9} H = 1.05×10^{-6} Koc = 200,000 log Kow = 5.61	
* ≠ Dibenz (a,h) Anthracene 1,2:5, 6-Dibenzanthracene	53-70-3	5	$C_{22}H_{14}$	278	Sol = 0.0005 M.P. = 266°C B.P. = 524°C V.P = 1.0×10^{-10} H = 7.33×10^{-8} Koc = 3,300,000 log Kow = 6.80	
* ≠ Fluoranthene	206-44-0	4	$C_{16}H_{10}$	202	Sol = 0.206 M.P. = 110°C B.P. = 393°C V.P. = 5.0×10^{-6} H = 6.46×10^{-6} Koc = 38,000 log Kow = 4.90	
* Fluorene	86-73-7	3	$C_{13}H_{10}$	166	Sol = 1.69 M.P. = 115°C B.P. = 294°C V.P. = 7.1×10^{-4} H = 6.42×10^{-5} Koc = 7,300 log Kow = 4.20	

TABLE 3-2 (Continued)

Name (and Synonyms) (a)	CAS Reg. No.	# of Rings	Formula	Mol. Wt.	Physical Property (b)	Structure
* ≠ Indeno (1,2,3-CD) pyrene O-phenylenepyrene	193-39-5	6	$C_{22}H_{12}$	276	Sol = 0.00054 M.P. = 163°C B.P. = V.P. = 1.0×10^{-10} H = 6.86×10^{-8} Koc = 1,600,000 log Kow = 6.50	
* ≠ Napthalene	91-20-3	2	$C_{10}H_8$	128	Sol = 31.7 M.P. = 80°C B.P. = 218°C H = 2.6×10^{-4} V.P. = 4.92×10^{-2} Koc = 2300 log Kow = 3.01/3.45	
* Phenanthrene	85-01-3	3	$C_{14}H_{10}$	178	Sol = 1.0 M.P. = 101°C B.P. = 340°C H = 4.54×10^{-7} V.P. = 6.8×10^{-4} Koc = 14.2 log Kow = 1.46	
* Pyrene	129-00-0	4	$C_{16}H_{10}$	202	Sol = 0.132 M.P. = 149°C B.P. = 393°C H = 5.04×10^{-6} V.P. = 2.5×10^{-6} Koc = 38,000 log Kow = 4.88	

Notes:

(a) ≠ Indicates a RCRA Appendix VIII compound (40 CFR Part 26: Appendix VIII). Other PAH listed in Appendix VIII that are not given in this table are dibenz (a,h)-acridene, dibenz (a,j)-acridene, 7H-dibenzo (c,g) carbazole, dibenzo (a,e)pyrene, dibenzo (a,h) pyrene, and dibenzo (a, i) pyrene. Very little property data are available for these compounds and they are not commonly found.

* Indicates a priority pollutant compound (40 CFR part 122 Appendix D). All priority pollutant PAH are listed in this table.

(b) Sol = Solubility in mg/1 in distilled water at 25°C from EPA 1986.

M.P. = Melting point in °C as reported by Anderson and Wu (1963) unless otherwise noted.

B.P. = Boiling point in °C as reported by Anderson and Wu (1963) unless otherwise noted.

V.P. = Vapor pressure in torr mm Hg at 20°C from U.S. EPA, 1986.

H = Henry's law constant in atm-m³/mole at 25°C from EPA, 1986.

Koc = Organic carbon partition coefficient (ml/g) from EPA, 1986.

log Kow = Logarithm of octanol-water partition coefficient from EPA, 1986

TABLE 3-3
PHYSICAL AND CHEMICAL PROPERTIES OF SELECTED VOLATILE ORGANIC COMPOUNDS BNRR MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON

Compound	Molecular Weight	Water Solubility (mg/L)	K_{ow}
2-Butanone (Methylethylketone)	72	353,000	NA
1,2-Dichloroethane	99	8,690	28
1,1,2,2-Tetrachloroethane	168	2,900	363
Styrene	104	2,900	841
1,1-Dichloroethene	97	210	30
Benzene	78	1,780	122.7
Toluene	92	515	468
Ethylbenzene	106	152	841

NOTE:

K_{ow} = Octonal/Water Partition Coefficient
NA = Not applicable

References:

Cohen, 1993
Dragun, 1988
Jeng, 1992
U.S. EPA, 1986
U.S. EPA 1993
Verschueren, 1983

TABLE 3-4
PHYSICAL AND CHEMICAL PROPERTIES OF POLYCHLORINATED BIPHENYLS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Aroclor	Molecular Weight (g)	Water Solubility (mg/L)	K_{ow}
PCB-1016	258	0.23	758,578
PCB-1221	192	0.59	630
PCB-1232	221	1.45	1,585
PCB-1242	261	0.20	12,883
PCB-1248	288	0.05	1,288,250
PCB-1254	327	0.05	2,951,209

NOTE: K_{ow} – Octonal/Water Partition Coefficient

Reference: Cohen, 1993

TABLE 4-1
SAMPLE LOCATION SURVEY DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample No.	Steel Elev.* (feet msl)	PVC (Reference) Elev. (feet msl)	Ground Surface (feet msl)	Northing	Easting
B-4			938.47	259,176.38	1,511,425.55
B-4A			938.38	259,099.91	1,511,396.83
B-4B			938.26	259,087.09	1,511,436.31
B-5			936.62	259,134.91	1,511,291.92
B-6			930.56	258,873.13	1,510,958.71
B-7			934.53	259,148.88	1,510,694.15
B-8			935.13	259,045.85	1,510,758.84
B-9			934.51	258,922.57	1,511,211.43
B-10			934.39	258,984.73	1,510,915.73
B-11			923.81	259,222.99	1,510,073.50
B-12			936.22	258,715.61	1,511,035.88
HA-1			936.93	259,387.97	1,510,730.26
HA-2			935.99	259,307.03	1,510,759.03
HA-3			925.10	259,390.04	1,510,377.14
HA-4			925.33	259,313.49	1,510,390.06
MW-1	941.08	939.20	938.30	259,065.71	1,511,499.22
MW-2	939.73	939.20	936.80	258,938.54	1,511,585.22
MW-3	939.17	938.03	936.60	258,892.62	1,511,429.51
MW-4	938.12	936.95	935.60	258,895.02	1,511,286.04
MW-5	934.84	933.36	932.10	258,924.48	1,511,109.71
MW-6	938.97	937.94	936.50	259,014.21	1,510,908.10
MW-7	937.01	936.89	934.40	258,966.86	1,510,753.72
MW-8	937.75	936.78	935.30	259,025.30	1,510,754.66
MW-9	938.86	937.53	936.20	259,061.59	1,510,972.90
MW-10	939.61	938.34	936.70	259,093.03	1,511,179.22
MW-11	939.95	939.20	937.50	259,124.93	1,511,365.55
MW-12	933.08	931.45	930.50	258,866.42	1,510,935.48
MW-13	936.56	934.93	933.90	258,828.59	1,510,763.01
MW-14	936.91	936.49	934.30	258,844.76	1,510,714.42
MW-15	937.26	936.80	934.60	258,911.25	1,510,621.65
MW-16	935.35	934.57	932.60	258,944.48	1,510,268.04
MW-17	939.26	939.11	936.60	258,969.84	1,511,312.35
MW-18	940.98	940.68	938.10	259,074.98	1,511,267.52
MW-19	932.91	932.55	930.00	259,100.30	1,510,378.13
MW-20	934.54	933.74	934.54	259,139.79	1,510,696.31
MW-21	938.91	938.56	936.10	259,215.39	1,511,177.09
MW-22	925.80	925.22	925.80	259,295.41	1,510,264.82
MW-23	926.36	925.58	926.36	259,474.03	1,510,348.72
MW-24	926.60	925.84	926.60	259,491.75	1,510,415.63
MW-25	927.01	926.90	927.01	259,496.99	1,510,475.60
MW-26	930.99	930.65	930.99	259,257.73	1,510,560.05
MW-27	936.47	936.23	936.47	259,294.25	1,510,848.49
MW-28	941.50	940.63	939.20	259,186.47	1,511,727.80
MW-29	948.81	948.13	945.90	259,289.13	1,512,682.60
MW-30	932.20	931.95	929.60	258,902.28	1,509,695.72
MW-31	934.44	934.11	931.40	258,915.23	1,510,075.38
MW-32	926.46	926.06	923.00	258,976.36	1,509,688.05
MW-33	934.34	934.00	934.34	259,349.51	1,511,836.58
MW-34	935.99	935.52	935.99	259,289.44	1,511,404.11
MW-35	936.48	936.15	936.48	259,325.13	1,511,118.02

TABLE 4-1 (Continued)
SAMPLE LOCATION SURVEY DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample No.	Steel Elev.* (feet msl)	PVC (Reference) Elev. feet msl)	Ground Surface (feet msl)	Northing	Easting
MW-36	928.90	928.39	928.90	259,415.20	1,510,596.08
MW-37	932.71	932.32	932.71	259,154.37	1,510,522.05
MW-38	923.08	922.56	923.08	259,075.45	1,510,071.82
MW-39	936.40	936.21	933.20	258,771.33	1,511,022.48
MW-40	936.87	936.52	933.50	258,849.54	1,510,601.87
DW-1	943.52	942.92	940.10	259,079.31	1,511,780.17
DW-2	935.88	934.54	933.20	258,834.98	1,510,600.09
DW-3	930.88	930.09	928.30	258,873.44	1,509,596.57
DW-4	925.18	924.79	925.18	259,396.94	1,510,186.85
DW-5	932.91	932.54	932.91	259,573.24	1,510,813.71
SW-1			922.78	258,295.54	1,510,415.97
SW-2			919.20	258,568.68	1,510,027.94
SW-3			912.65	258,884.26	1,509,300.50
SW-4			924.18	259,463.58	1,511,680.77
SW-5			916.54	259,483.16	1,510,130.19
SW-6			911.57	259,017.06	1,509,310.96
SW-7			924.36	258,774.15	1,510,560.15
SS-13			933.77	258,878.35	1,510,616.36
SS-14			935.00	259,006.46	1,510,617.83
SS-15			934.35	258,987.23	1,510,495.09
SS-16			932.37	258,969.76	1,510,213.80
SS-17			931.92	258,880.35	1,510,259.39
SS-18			932.93	258,889.89	1,510,323.93
SS-19			932.17	258,944.33	1,510,193.08
SS-19.1			931.96	258,944.62	1,510,200.53
SS-20			930.93	258,873.81	1,510,046.20
SS-21			931.77	258,945.23	1,510,093.13
SS-22			931.16	258,920.49	1,509,986.95
SS-23			928.05	258,838.07	1,509,500.42
SS-24			929.39	258,838.37	1,509,750.38
SS-25			929.94	258,992.70	1,509,954.14
SS-26			930.71	259,014.17	1,510,095.49
SS-27			934.36	258,913.92	1,510,724.31
SS-28			935.24	258,979.08	1,511,143.53
SS-29			934.45	258,949.86	1,511,172.54
SS-30			941.84	259,168.22	1,512,070.42
SS-31			945.07	259,209.66	1,512,703.58
SS-32			947.18	259,163.20	1,512,965.93
SED-1			917.50	259,620.88	1,510,455.93
SED-2			917.39	259,573.05	1,510,356.02
SED-3			916.48	259,544.37	1,510,234.76
SED-4			916.74	259,467.54	1,510,156.88
SED-5			916.78	259,435.84	1,510,089.86
SED-6			929.65	258,873.51	1,511,251.90
SED-7			926.21	258,736.41	1,510,711.28
Maloney Creek		918.27		258,847.86	1,509,336.66
Culvert		924.27		258,770.00	1,510,555.00
Skykomsh River		920.73		259,776.47	1,510,462.80

NOTES:

* Top of steel on aboveground completions = top of well cap. Subtract 0.03 feet to top of steel casing.

msl = mean sea level

TABLE 4-2
SOIL AND SEDIMENT ANALYTICAL SAMPLING SUMMARY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample ID	Depth Zone	METHOD WTPH 418.1	WTPH-G	WTPH-D	VOC 8240	SVOC 8270	PCB 8080	Metals 6010/7000	TOC 415.1	Phys. Char.
SURFACE										
SS (13-32)	0 - 0.5	X					X	X		
SS19.1	0 - 0.5	X					X	X		
SS41 (SS14 dup)	0 - 0.5	X					X	X		
SS92 (SS29 dup)	0 - 0.5	X					X	X		
BG (1-2)	0 - 0.5	X					X	X		
HAND AUGER										
HA1	2	X			X	X		X		
HA10 (HA1 dup)	2	X			X	X		X		
HA2	1	X			X	X		X		
HA3	1	X			X	X		X		
HA4	0	X			X	X		X		
SEDIMENT										
SED (1-7)	0-0.5	X			X	X	X	X	X	
SED10 (SED3 dup)	0-0.5	X			X	X	X	X	X	
BOREHOLE										
B4	0						X	X		
	2						X			
	10	X		X	X	X	X		X	
	17	X								
B40 (B4 dup)	10				X					
B5	0						X	X		
	7	X		X	X	X			X	
	17	X								
B50 (B5 dup)	17	X								
B6	0						X	X		
	8	X		X	X	X			X	
	10.5	X		X		X	X	X		
	23	X								
B7	0						X	X		
	11	X		X						
	17	X		X						
	22	X								

TABLE 4-2 (Continued)
SOIL AND SEDIMENT ANALYTICAL SAMPLING SUMMARY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample ID	Depth Zone	METHOD WTPH 418.1	WTPH-G	WTPH-D	VOC 8240	SVOC 8270	PCB 8080	Metals 6010/7000	TOC 415.1	Phys. Char.
B8	0						X	X		
	12	X		X						
	17	X		X						
	22	X								
B80	17	X		X						
(B8 dup)										
B9	0						X	X		
	7.5	X		X	X	X			X	
	12.5	X								
B10	0							X	X	X
	2								X	X
	5									X
	10	X		X					X	
	12.5									X
	15	X		X					X	
	27	X								
B11	0							X		
	5	X		X						
	10	X								
B110	0							X		
B12	0							X		
	7.5	X	X	X	X	X				
	12.5	X								
MW33	0							X		
	2.5	X	X	X		X				
	5				X					
	12.5	X								
MW34	0							X		
	7.5				X					
	10	X		X		X				
	17	X								
BOREHOLE										
MW35	0							X		
	7.5				X					
	10	X		X						
	17.5	X								
MW53	7.5				X					
(MW35 dup)	10	X		X						
MW36	0							X	X	X
	2								X	X
	6	X		X	X				X	X
	7.5	X		X					X	X
	17	X								

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TABLE 4–2 (Continued)
SOIL AND SEDIMENT ANALYTICAL SAMPLING SUMMARY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample ID	Depth Zone	METHOD WTPH 418.1	WTPH–G	WTPH–D	VOC 8240	SVOC 8270	PCB 8080	Metals 6010/7000	TOC 415.1	Phys. Char.
MW37	0							X		
	7.5	X	X	X	X					
	12.5	X		X						
	23	X								
MW73 (MW37 dup)	23	X								
MW38	0							X		
	7.5	X		X	X					
	12	X								
MW39	0							X		
	6	X	X	X	X	X				
	10	X		X						
	15.5	X								
MW93 (MW39 dup)	10	X		X						
MW40	0							X		
	5	X	X	X	X	X	X			
	12.5	X								
DW1	0							X	X	X
	2								X	X
	5	X		X					X	X
	22.5	X								
DW10 (DW1 dup)	22.5	X								
DW2	0						X	X		
	2						X			
	5	X		X		X				
	10				X					
	12.5	X								
DW3	0						X	X		
	2						X			
	7.5	X		X						
	17.5	X								
DW4	0							X		
	2.5	X		X						
	7.5	X		X						
	17.5	X								
DW5	0							X		
	12	X		X						
	17	X								
DW50 (DW5 dup)	17	X								

NOTES:

WTPH = Washington Method, Total Petroleum Hydrocarbons
WTPH–D = Washington Method, Diesel Range
WTPH–G = Washington Method, Gasoline Range
VOC = Volatile Organic Compounds
SVOC = Semi–volatile Organic Compounds
PCB = Polychlorinated Biphenyls
Metals = Priority Pollutant Metals
TOC = Total Organic Carbon

TABLE 4-3
WELL CONSTRUCTION DETAILS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well No.	Steel Elev.* (ft msl)	PVC Elev. (ft msl)	Ground Surface (ft msl)	Date Completed	Screen Length	Top of Screen		Bottom of Screen		Bottom of Well	
						Depth	Elev. (ft msl)	Depth	Elev. (ft msl)	Depth	Elev. (ft msl)
MW-1	941.08	939.20	938.30	9/17/90	10.0	10.5	927.80	20.5	917.80	20.5	917.80
MW-2	939.73	939.20	936.80	9/18/90	10.0	10.0	926.80	20.0	916.80	20.0	916.80
MW-3	939.17	938.03	936.60	9/18/90	13.5	6.0	930.60	19.5	917.10	19.5	917.10
MW-4	938.12	936.95	935.60	9/18/90	13.0	6.0	929.60	19.0	916.60	19.0	916.60
MW-5	934.84	933.36	932.10	9/19/90	10.0	4.0	928.10	14.0	918.10	14.0	918.10
MW-6	938.97	937.94	936.50	9/19/90	10.0	9.0	927.50	19.0	917.50	20.5	916.00
MW-7	937.01	936.89	934.40	9/19/90	14.0	5.0	929.40	19.0	915.40	19.0	915.40
MW-8	937.75	936.78	935.30	9/19/90	10.0	9.0	926.30	19.0	916.30	19.0	916.30
MW-9	938.86	937.53	936.20	9/20/90	12.0	7.0	929.20	19.0	917.20	19.0	917.20
MW-10	939.61	938.34	936.70	9/20/90	12.0	7.0	929.70	19.0	917.70	19.0	917.70
MW-11	939.95	939.20	937.50	9/20/90	10.0	9.0	928.50	19.0	918.50	19.0	918.50
MW-12	933.08	931.45	930.50	9/20/90	10.0	4.0	926.50	14.0	916.50	14.0	916.50
MW-13	936.56	934.93	933.90	9/20/90	10.0	4.0	929.90	14.0	919.90	14.0	919.90
MW-14	936.91	936.49	934.30	9/21/90	10.0	4.0	930.30	14.0	920.30	14.0	920.30
MW-15	937.26	936.80	934.60	9/21/90	12.0	7.0	927.60	19.0	915.60	19.0	915.60
MW-16	935.35	934.57	932.60	9/21/90	12.5	7.0	925.60	19.5	913.10	19.5	913.10
MW-17	939.26	939.11	936.60	9/24/90	12.0	7.0	929.60	19.0	917.60	19.0	917.60
MW-18	940.98	940.68	938.10	9/24/90	15.0	4.0	934.10	19.0	919.10	19.0	919.10
MW-19	932.91	932.55	930.00	9/26/90	10.0	4.0	926.00	14.0	916.00	14.0	916.00
MW-20	934.54	933.74	934.54	9/26/90	10.0	9.0	925.54	19.0	915.54	19.0	915.54
MW-21	938.91	938.56	936.10	9/25/90	10.0	9.0	927.10	19.0	917.10	19.0	917.10
MW-22	925.80	925.22	925.80	9/24/90	10.0	4.0	921.80	14.0	911.80	14.0	911.80
MW-23	926.36	925.58	926.36	9/25/90	12.0	2.0	924.36	14.0	912.36	14.0	912.36
MW-24	926.60	925.84	926.60	9/25/90	12.0	2.0	924.60	14.0	912.60	14.0	912.60
MW-25	927.01	926.90	927.01	9/25/90	12.0	2.0	925.01	14.0	913.01	14.0	913.01
MW-26	930.99	930.65	930.99	9/26/90	15.0	4.0	926.99	19.0	911.99	19.0	911.99
MW-27	936.47	936.23	936.47	9/26/90	12.0	7.0	929.47	19.0	917.47	19.0	917.47
MW-28	941.50	940.63	939.20	11/4/91	15.0	3.5	935.70	18.5	920.70	18.5	920.70
MW-29	948.81	948.13	945.90	11/5/91	19.5	3.5	942.40	23.0	922.90	23.0	922.90
MW-30	932.20	931.95	929.60	11/6/91	15.0	3.5	926.10	18.5	911.10	18.5	911.10
MW-31	934.44	934.11	931.40	11/6/91	15.0	3.5	927.90	18.5	912.90	18.5	912.90
MW-32	926.46	926.06	923.00	11/8/91	7.9	1.5	921.50	9.4	913.60	9.4	913.60
MW-33	934.34	934.00	934.34	9/28/93	14.46	5.54	928.80	20.00	914.34	20.54	913.80
MW-34	935.99	935.52	935.99	10/23/93	14.40	5.65	930.34	20.05	915.94	20.78	915.21
MW-35	936.48	936.15	936.48	10/19/93	14.42	5.48	931.00	19.90	916.58	20.73	915.75
MW-36	928.90	928.39	928.90	10/21/93	14.44	5.69	923.21	20.13	908.77	20.94	907.96
MW-37	932.71	932.32	932.71	10/22/93	14.42	5.63	927.08	20.05	912.66	20.88	911.83
MW-38	923.08	922.56	923.08	10/24/93	14.40	5.67	917.41	20.07	903.01	20.90	902.18
MW-39	936.40	936.21	933.20	10/19/93	14.54	6.43	926.77	20.97	912.23	21.64	911.56
MW-40	936.87	936.52	933.50	9/27/93	12.62	5.02	928.48	17.64	915.86	17.68	915.82
DW-1	943.52	942.92	940.10	9/28/93	4.48	31.29	908.81	35.77	904.33	36.58	903.52
DW-2	935.88	934.54	933.20	9/27/93	4.42	38.77	894.43	43.19	890.01	44.02	889.18
DW-3	930.88	930.09	928.30	9/29/93	4.41	38.57	889.73	42.98	885.32	43.73	884.57
DW-4	925.18	924.79	925.18	10/21/93	4.46	38.31	886.87	42.77	882.41	43.18	882.00
DW-5	932.91	932.54	932.91	10/23/93	4.46	40.46	892.45	44.92	887.99	45.71	887.20

NOTE:

* Top of steel on aboveground completions = top of well cap. Subtract 0.03 feet to top of steel casing.

RETEC

TABLE 4-4
GROUND AND SURFACE WATER ANALYTICAL SAMPLING SUMMARY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well No.	Total Petroleum Hydrocarbons			Volatile Organic Compounds		Semi-volatile Organic Compounds		PCBs	Metals EPA 6010 PPM			Total Suspended Solids
	WTPH-418.1	WTPH-D Extended*	WTPH-D Modified Extended**	EPA 8240	EPA 8020	EPA 8270	EPA 8310	EPA 8080	Total (1)	Total (As, Cr, Pb)	Dissolved (As, Cr, Pb)	
MW-1	--	1	2,3,4	--	--	--	--	--	--	--	--	--
MW-2	--	1	--	--	--	--	--	--	2	1	2,3,4	2,3,4
MW-3	--	1	3,4	1	--	1	--	--	--	1	--	--
MW-4	--	1	2,3,4	1	--	1	--	1	--	1	--	--
MW-5	--	1	2,3,4	--	--	2	3	--	2	--	2,3,4	2,3,4
MW-7	--	1	--	--	2	1	--	1	--	1	--	--
MW-9	--	1	4	1	--	1	2,3	2,3	2	--	2,3,4	2,3,4
MW-10	--	1	--	--	2	1	--	--	--	1	--	--
MW-11	--	1	4	1	2	2	3	--	--	1	--	--
MW-12	--	1	--	1	--	1	2,3	1	--	1	--	--
MW-13	--	1	2,3,4	--	2	--	--	--	--	--	--	--
MW-14	--	1	2,4	1	--	1	--	1	--	1	--	--
MW-15	--	1	--	--	--	--	--	--	--	1	--	--
MW-16	--	1	--	--	--	--	--	1	2	--	2,3,4	2,3,4
MW-18	--	1	--	--	--	--	--	--	--	--	--	--
MW-19	--	1	2,3,4	1	--	1	--	1,2,3	--	1	--	--
MW-23	--	1	2,3,4	1	2	1	2,3	--	2	1	2,3,4	2,3,4
MW-24	--	1	--	--	--	1	--	--	--	--	--	--
MW-26	--	--	4	--	--	--	--	--	--	--	--	--
MW-28	--	1	2,3	--	--	1,2	3	--	--	1	--	--
MW-29	--	1	--	--	--	--	--	--	--	--	--	--
MW-30	--	1	--	--	--	--	--	--	--	--	--	--
MW-31	--	1	--	1	--	1	--	1	2	1	2,3,4	2,3,4
MW-32	--	1	--	--	--	--	--	1,2	--	--	--	--
MW-33	--	1	--	--	--	--	--	--	--	--	--	--
MW-34	--	1	2,3,4	1	--	--	--	--	--	--	--	--
MW-35	--	1	2,3,4	1	--	1	--	--	2	1	2,3,4	2,3,4
MW-36	--	1	2,3	1	2	--	2,3	--	2	--	2,3	2,3,4
MW-37	--	1	2,3,4	1	2	--	2,3	--	2	--	2,3,4	2,3,4
MW-38	--	1	2,3,4	--	--	1	--	--	2	--	2,3,4	2,3,4

RETEC

TABLE 4-4 (Continued)
GROUND AND SURFACE WATER ANALYTICAL SAMPLING SUMMARY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well No.	Total Petroleum Hydrocarbons			Volatile Organic Compounds		Semi-volatile Organic Compounds		PCBs	Metals EPA 6010 PPM			Total Suspended Solids
	WTPH-418.1	WTPH-D Extended*	WTPH-D Modified Extended**	EPA 8240	EPA 8020	EPA 8270	EPA 8310	EPA 8080	Total (1)	Total (As, Cr, Pb)	Dissolved (As, Cr, Pb)	
MW-40	--	1	2,3,4	--	--	1	--	1	2	--	2,3,4	2,3,4
DW-1	--	1	2,3	--	--	1	--	--	--	--	--	--
DW-2	--	1	2,3	--	--	1	--	1	2	1	2,3,4	2,3,4
DW-3	--	1	--	--	--	1	--	1	2	--	2,3,4	2,3,4
DW-4	--	1	2,3	--	--	1	--	--	--	1	--	--
DW-5	--	1	2,3	--	--	1	--	--	--	--	--	--
FB	--	1	2,3,4	--	2	1,2	2,3	1,2,3	2	1	2,3,4	2,3,4
SW-1	1	--	--	--	--	1	--	--	1	--		
SW-2	1	--	--	--	--	1	--	--	1	--		
SW-3	1	--	2,3	--	--	1	--	--	1	2,3	2	
SW-4	1	--	--	--	--	1	--	--	1	--		
SW-5	1	--	2,3,4	--	--	1,2,3	--	--	1	2,3	2	
SW-6	1	--	2,3,4	--	--	1	--	--	1	2,3	2	
SW-7	1	--	2	--	--	--	--	--	--	2	2	
FB	--	1	2,3,4	--	--	1,2,3	--	--	1	2	2	

NOTES:

* WTPH-D Extended includes carbon range C10 to C32

** Modified WTPH-D Extended includes carbon range C9 to C36

The numbers specify which quarter the samples were collected in: 1) November 1993, 2) April 1994, 3) August 1994, and 4) November 1994.

MW and DW are monitoring wells; FB are field blanks.

PPS = Priority Pollutant Scan; TSS = Total Suspended Solids.

FB = includes FB-101 through FB-104 and FB-200.

(1) Metals include: Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl

TABLE 5-1
TPH ANALYTICAL RESULTS - SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

ANALYSIS				WTPH by 418.1 IR (C8 - C30+)			WTPH as Diesel GC/FID (>C10-C28)			WTPH as Gasoline GC/FID, (C6-C10)		
Sample ID:	Lab Sample ID:	Sample Date:	Sample Depth: (feet bgs)	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q
Surface Soil												
DW3-0	573-2857	09/29/93	0		112	U						
HA1-2	590-2937	10/07/93	2		105	U						
HA10-2	590-2941	10/07/93	2		104	U						
(HA1-2 Dup)												
HA2-1	590-2938	10/07/93	1		117	U						
HA3-1	590-2939	10/07/93	1		119	U						
HA4-0	590-2940	10/07/93	0	100	106	J						
SS13-0	573-2863	09/30/93	0		104	U						
SS14-0	573-2864	09/30/93	0	190	102							
SS41-0	573-2865	09/30/93	0	200	102							
(SS14-0 Dup)												
SS15-0	573-2866	09/30/93	0	250	103							
SS16-0	573-2867	09/30/93	0	270	106							
SS17-0	573-2869	09/30/93	0		125	U						
SS18-0	573-2868	09/30/93	0	130	105							
SS19-0	573-2870	09/30/93	0	2800	832							
SS19. 1-0	573-2871	09/30/93	0	3600	860							
SS20-0	578-2896	10/01/93	0		104	U						
SS21-0	573-2872	09/30/93	0	180	110							
SS22-0	573-2873	09/30/93	0	110	103							
SS23-0	573-2874	09/30/93	0	270	119							
SS24-0	573-2875	09/30/93	0		102	U						
SS25-0	578-2898	10/01/93	0		119	U						
SS26-0	578-2897	10/01/93	0	170	114							
SS27-0	573-2861	09/30/93	0	660	105							
SS28-0	573-2855	09/28/93	0	4900	1,697							
SS29-0	573-2860	09/30/93	0	880	105							
SS92-0	573-2862	09/30/93	0	950	105							
(SS29-0 Dup)												
SS30-0	573-2856	09/30/93	0		117	U						
SS31-0	573-2859	09/30/93	0		108	U						
SS32-0	573-2858	09/30/93	0		105	U						
BG1-0	578-2895	10/01/93	0		121	U						
BG2-0	573-2854	09/30/93	0		149	U						

TABLE 5-1 (Continued)
TPH ANALYTICAL RESULTS - SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

ANALYSIS				WTPH by 418.1 IR (C8 - C30+)			WTPH as Diesel GC/FID (>C10-C28)			WTPH as Gasoline GC/FID, (C6-C10)		
Sample ID:	Lab Sample ID:	Sample Date:	Sample Depth: (feet bgs)	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q
Vadose Zone												
B4-10	559-2785	09/28/93	10	340	100							
B5-7	626-3160	10/24/93	7		102	U	26	26				
B6-8	618-3096	10/18/93	8	1600	100		770	25				
B7-11	626-3163	10/22/93	11	2500	200		844	26				
B8-12	621-3141	10/20/93	12	2500	209		880	26				
B9-7 ½	618-3095	10/18/93	7.5	120	100		49	36				
B10-10	573-2851	09/29/93	10	14000	1,754		9500	274				
B11-5	559-2776	09/27/93	5		105	U		26	U			
B12-7 ½	640-3235	10/29/93	7.5		105	U	13	26	J		5	U
MW33-2 ½	559-2775	09/28/93	2.5		123	U	63	31			6	U
MW34-10	559-2773	09/28/93	10		105	U		26	U			
MW35-10	573-2848	09/28/93	10		103	U	17	26	J			
MW53-10	573-2849	09/28/93	10		103	U		26	U			
(MW35-10 Dup)												
MW36-6	621-3145	10/21/93	6	4400	526		3600	132				
MW37-7 ½	626-3159	10/22/93	7.5	3300	504		740	25			5	U
MW38-7 ½	626-3161	10/24/93	7.5		113	U		28	U			
MW39-6	618-3097	10/19/93	6	480	100		29	25		6	5	
MW40-5	559-2772	09/27/93	5					26	U		5	U
DW1-5	559-2777	09/28/93	5		120	U		30	U			
DW2-5	559-2774	09/27/93	5		110	U	18	28	J			
DW3-0	573-2857	09/29/93	0		112	U						
DW3-7 ½	573-2850	09/29/93	7.5		119	U	43	30				
DW4-2 ½	568-2822	09/27/93	2.5	420	108		89	11				
DW5-12	626-3165	10/23/93	12		101	U		25	U			
Saturated-Contaminated Zone												
B6-10 ½	618-3098	10/19/93	10.5	760	100		380	25				
B7-17	626-3164	10/21/93	17	5500	597		2750	299				
B8-17	621-3142	10/20/93	17	200	105		59	26				
B80-17	621-3143	10/20/93	17	280	136		120	34				
(B8-17 Dup)												
B10-15	573-2852	09/29/93	15	3900	1,122		2800	281				
MW36-7 ½	621-3144	10/21/93	7.5	90	134	J	150	34				
MW37-12 ½	626-3162	10/24/93	12.5	Insufficient Sample			130	25				
MW39-10	618-3094	10/18/93	10	3200	200		1560	30				
MW93-10	621-3140	10/19/93	10	3500	236		1800	30				
(MW39-10 Dup)												
DW4-7 ½	559-2778	09/27/93	7.5	27000	1,909		12172	298				

TABLE 5-1 (Continued)
TPH ANALYTICAL RESULTS - SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

ANALYSIS				WTPH by 418.1 IR (C8 - C30+)			WTPH as Diesel GC/FID (>C10-C28)			WTPH as Gasoline GC/FID, (C6-C10)		
Sample ID:	Lab Sample ID:	Sample Date:	Sample Depth: (feet bgs)	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q	Conc.: (mg/kg)	MDL	Q
Saturated-Clean Zone												
B4B-17	626-3173	10/24/93	17		112	U						
B5-17	626-3174	10/24/93	17		136	U						
B50-17	626-3175	10/24/93	17		137	U						
(B5-17 Dup)												
B6-23	618-3093	10/18/93	23		100	U						
B7-22	626-3168	10/22/93	22		137	U						
B8-22	621-3137	10/20/93	22		137	U						
B9-12 ½	618-3092	10/18/93	12.5		100	U						
B10B-27	618-3091	10/18/93	27		100	U						
B11-10	559-2781	09/27/93	10		115	U						
B12-12 ½	640-3236	10/29/93	12.5		110	U						
MW33-12 ½	559-2784	09/28/93	12.5		133	U						
MW34B-17	626-3169	10/23/93	17		130	U						
MW35B-17 ½	621-3136	10/19/93	17.5		122	U						
MW36-17	621-3139	10/21/93	17		121	U						
MW37-23	626-3166	10/22/93	23		123	U						
MW73-23	626-3167	10/22/93	23		136	U						
(MW37-23 Dup)												
MW38-12	626-3172	10/24/93	12		126	U						
MW39-15 ½	621-3135	10/19/93	15.5		119	U						
MW40-12 ½	559-2780	09/27/93	12.5		117	U						
DW1-22 ½	559-2782	09/28/93	22.5		132	U						
DW10-22 ½	559-2783	09/28/93	22.5		132	U						
(DW1-22 ½ Dup)												
DW2- 12 ½	559-2779	09/27/93	12.5		121	U						
DW3-17 ½	573-2847	09/29/93	17.5		118	U						
DW4B-17 ½	621-3138	10/20/93	17.5		121	U						
DW5-17	626-3170	10/23/93	17		136	U						
DW50-17	626-3171	10/23/93	17		130	U						
(DW5-17 Dup)												

Table 5-2A
SVOC Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
Sample location:		POL	HA-1	HA-1	HA-2	HA-3
Sample no:		POL-SV	HA1-2	HA10-2	HA2-1	HA3-1
Depth(ft):		0.0-0.0	1.0-2.0	1.0-2.0	1.0-1.5	0.0-1.0
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		/ /	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Duplicate	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	660	<346U	<344U	<386U	<1575U
bis(2-Chloroethyl) ether	111-44-4	660	<346U	<344U	<386U	<1575U
2-Chlorophenol	95-57-8	660	<346U	<344U	<386U	<1575U
1,3-Dichlorobenzene	541-73-1	660	<346U	<344U	<386U	<1575U
1,4-Dichlorobenzene	106-46-7	660	<346U	<344U	<386U	<1575U
Benzyl alcohol	100-51-6	660	<346U	<344U	<386U	<1575U
1,2-Dichlorobenzene	95-50-1	660	<346U	<344U	<386U	<1575U
2-Methylphenol	95-48-7	660	<346U	<344U	<386U	<1575U
Bis(2-chloroisopropyl)ether	39638-32-9	660	<346U	<344U	<386U	<1575U
4-Methylphenol	106-44-5	660	<346U	<344U	<386U	<1575U
N-Nitroso-di-n-propylamine	621-64-7	660	<346U	<344U	<386U	<1575U
Hexachloroethane	67-72-1	660	<346U	<344U	<386U	<1575U
Nitrobenzene	98-95-3	660	<346U	<344U	<386U	<1575U
Isophorone	78-59-1	660	<346U	<344U	<386U	<1575U
2-Nitrophenol	88-75-5	660	<346U	<344U	<386U	<1575U
2,4-Dimethylphenol	105-67-9	660	<1730U	<1721U	<1928U	<7876U
Benzoic acid	65-85-0	660	<346U	<344U	<386U	<1575U
Bis(2-chloroethoxy)methane	111-91-1	660	<346U	<344U	<386U	<1575U
2,4-Dichlorophenol	120-83-2	660	<346U	<344U	<386U	<1575U
1,2,4-Trichlorobenzene	120-82-1	660	<346U	<344U	<386U	<1575U
4-Chloroaniline	106-47-8	660	<346U	<344U	<386U	<1575U
Hexachlorobutadiene	87-68-3	660	<346U	<344U	<386U	<1575U
4-Chloro-3-methylphenol	59-50-7	1300	<346U	<344U	<386U	<1575U
2-Methylnaphthalene	91-57-6	660	<346U	<344U	<386U	<1575U
Hexachlorocyclopentadiene	77-47-4	660	<346U	<344U	<386U	<1575U
2,4,6-Trichlorophenol	88-06-2	660	<346U	<344U	<386U	<1575U
2,4,5-Trichlorophenol	95-95-4	3300	<1730U	<1721U	<1928U	<7876U
2-Chloronaphthalene	91-58-7	660	<346U	<344U	<386U	<1575U
2-Nitroaniline	88-74-4	3300	<1730U	<1721U	<1928U	<7876U
Dimethyl phthalate	131-11-3	660	<346U	<344U	<386U	<1575U
2,6-Dinitrotoluene	606-20-2	3300	<1730U	<1721U	<1928U	<7876U
3-Nitroaniline	99-09-2	3300	<1730U	<1721U	<1928U	<7876U
N-Nitrosodimethylamine	62-75-9	660	<346U	<344U	<386U	<1575U
2,4-Dinitrophenol	51-28-5	3300	<1730U	<1721U	<1928U	<7876U
4-Nitrophenol	100-02-7	3300	<1730U	<1721U	<1928U	<7876U
Dibenzofuran	132-64-9	660	<346U	<344U	<386U	<1575U
2,4-Dinitrotoluene	121-14-2	660	<346U	<344U	<386U	<1575U
Diethylphthalate	84-66-2	660	<346U	<344U	<386U	<1575U
4-Chlorophenyl-phenylether	7005-72-3	660	<346U	<344U	<386U	<1575U
4-Nitroaniline	100-01-6	3300	<1730U	<1721U	<1928U	<7876U
4,6-Dinitro,2-methylphenol	534-52-1	3300	<1730U	<1721U	<1928U	<7876U
N-Nitrosodiphenylamine	86-30-6	660	<346U	<344U	<386U	<1575U
4-Bromophenyl-phenylether	101-55-3	660	<346U	<344U	<386U	<1575U
Hexachlorobenzene	118-74-1	660	<346U	<344U	<386U	<1575U
Pentachlorophenol	87-86-5	3300	<1730U	<1721U	<1928U	<7876U
Di-n-butyl phthalate	84-74-2	660	<346U	55J	<386U	<1575U
Butylbenzylphthalate	85-68-7	660	<346U	<344U	<386U	<1575U
3,3'-Dichlorobenzidine	91-94-1	1300	<692U	<688U	<771U	<3150U
Bis(2-ethylhexyl)phthalate	117-81-7	660	<346U	<344U	<386U	<1575U
Di-n-octyl phthalate	117-84-0	660	<346U	<344U	<386U	<1575U
Azobenzene	103-33-3	3300	<1730U	<1721U	<1928U	<7876U
Naphthalene	91-20-3	660	<346U	<344U	<386U	<1575U
Acenaphthylene	208-96-8	660	<346U	<344U	<386U	<1575U
Acenaphthene	83-32-9	660	<346U	<344U	<386U	<1575U
Fluorene	86-73-7	660	<346U	<344U	<386U	<1575U
Phenanthrene	85-01-8	660	<346U	<344U	<386U	<1575U
Anthracene	120-12-7	660	<346U	<344U	<386U	<1575U
Fluoranthene	206-44-0	660	<346U	<344U	<386U	<1575U
Pyrene	129-00-0	660	<346U	<344U	<386U	<1575U
Benzo(a)anthracene	56-55-3	660	<346U	<344U	<386U	<1575U
Chrysene	218-01-9	660	<346U	<344U	<386U	<1575U
Benzo(b)fluoranthene	205-99-2	660	<346U	<344U	<386U	<1575U
Benzo(k)fluoranthene	207-08-9	660	<346U	<344U	<386U	<1575U
Benzo(a)pyrene	50-32-8	660	<346U	<344U	<386U	<1575U
Indeno(1,2,3-cd)pyrene	193-39-5	660	<346U	<344U	<386U	<1575U
Dibenzo(a,h)anthracene	53-70-3	660	<346U	<344U	<386U	<1575U
Benzo(g,h,i)perylene	191-24-2	660	<346U	<344U	<386U	<1575U
Sum of PAHs		10560	0	0	0	0
Sum of Carcinogenic PAHs		4620	0	0	0	0

Table 5-2A
SVOC Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	HA-4				
	Sample no:	HA4-0				
	Depth(ft):	0.0-1.0				
	Matrix:	Soil				
	Sample Date:	10/07/93				
	Type:	Primary				
	Method:	EPA8270				
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	<2791U				
bis(2-Chloroethyl) ether	111-44-4	<2791U				
2-Chlorophenol	95-57-8	<2791U				
1,3-Dichlorobenzene	541-73-1	<2791U				
1,4-Dichlorobenzene	106-46-7	<2791U				
Benzyl alcohol	100-51-6	<2791U				
1,2-Dichlorobenzene	95-50-1	<2791U				
2-Methylphenol	95-48-7	<2791U				
Bis(2-chloroisopropyl)ether	39638-32-9	<2791U				
4-Methylphenol	106-44-5	<2791U				
N-Nitroso-di-n-propylamine	621-64-7	<2791U				
Hexachloroethane	67-72-1	<2791U				
Nitrobenzene	98-95-3	<2791U				
Isophorone	78-59-1	<2791U				
2-Nitrophenol	88-75-5	<2791U				
2,4-Dimethylphenol	105-67-9	<13953U				
Benzoic acid	65-85-0	<2791U				
Bis(2-chloroethoxy)methane	111-91-1	<2791U				
2,4-Dichlorophenol	120-83-2	<2791U				
1,2,4-Trichlorobenzene	120-82-1	<2791U				
4-Chloroaniline	106-47-8	<2791U				
Hexachlorobutadiene	87-68-3	<2791U				
4-Chloro-3-methylphenol	59-50-7	<2791U				
2-Methylnaphthalene	91-57-6	<2791U				
Hexachlorocyclopentadiene	77-47-4	<2791U				
2,4,6-Trichlorophenol	88-06-2	<2791U				
2,4,5-Trichlorophenol	95-95-4	<13953U				
2-Chloronaphthalene	91-58-7	<2791U				
2-Nitroaniline	88-74-4	<13953U				
Dimethyl phthalate	131-11-3	<2791U				
2,6-Dinitrotoluene	606-20-2	<13953U				
3-Nitroaniline	99-09-2	<13953U				
N-Nitrosodimethylamine	62-75-9	<2791U				
2,4-Dinitrophenol	51-28-5	<13953U				
4-Nitrophenol	100-02-7	<13953U				
Dibenzofuran	132-64-9	<2791U				
2,4-Dinitrotoluene	121-14-2	<2791U				
Diethylphthalate	84-66-2	<2791U				
4-Chlorophenyl-phenylether	7005-72-3	<2791U				
4-Nitroaniline	100-01-6	<13953U				
4,6-Dinitro,2-methylphenol	534-52-1	<13953U				
N-Nitrosodiphenylamine	86-30-6	<2791U				
4-Bromophenyl-phenylether	101-55-3	<2791U				
Hexachlorobenzene	118-74-1	<2791U				
Pentachlorophenol	87-86-5	<13953U				
Di-n-butyl phthalate	84-74-2	<2791U				
Butylbenzylphthalate	85-68-7	<2791U				
3,3'-Dichlorobenzidine	91-94-1	<5581U				
Bis(2-ethylhexyl)phthalate	117-81-7	<2791U				
Di-n-octyl phthalate	117-84-0	<2791U				
Azobenzene	103-33-3	<13953U				
Naphthalene	91-20-3	<2791U				
Acenaphthylene	208-96-8	<2791U				
Acenaphthene	83-32-9	<2791U				
Fluorene	86-73-7	<2791U				
Phenanthrene	85-01-8	<2791U				
Anthracene	120-12-7	<2791U				
Fluoranthene	206-44-0	<2791U				
Pyrene	129-00-0	<2791U				
Benzo(a)anthracene	56-55-3	<2791U				
Chrysene	218-01-9	<2791U				
Benzo(b)fluoranthene	205-99-2	<2791U				
Benzo(k)fluoranthene	207-08-9	<2791U				
Benzo(a)pyrene	50-32-8	<2791U				
Indeno(1,2,3-cd)pyrene	193-39-5	<2791U				
Dibenzo(a,h)anthracene	53-70-3	<2791U				
Benzo(g,h,i)perylene	191-24-2	<2791U				
Sum of PAHs		0				
Sum of Carcinogenic PAHs		0				

Table 5-2B
SVOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	B-4	B-5	B-6	B-9
Sample location:		PQL	B-4	B-5	B-6	B-9
Sample no:		PQL-SV	B4-10	B5-7	B6-8	B9-7.5
Depth(ft):		0.0-0.0	10.0-11.5	7.0-8.5	8.0-9.5	7.5-9.0
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		/ /	09/28/93	10/24/93	10/18/93	10/18/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	660	<6600U	<337U	<330U	<473U
bis(2-Chloroethyl) ether	111-44-4	660	<6600U	<337U	<330U	<473U
2-Chlorophenol	95-57-8	660	<6600U	<337U	<330U	<473U
1,3-Dichlorobenzene	541-73-1	660	<6600U	<337U	<330U	<473U
1,4-Dichlorobenzene	106-46-7	660	<6600U	<337U	<330U	<473U
Benzyl alcohol	100-51-6	660	<6600U	<337U	<330U	<473U
1,2-Dichlorobenzene	95-50-1	660	<6600U	<337U	<330U	<473U
2-Methylphenol	95-48-7	660	<6600U	<337U	<330U	<473U
Bis(2-chloroisopropyl)ether	39638-32-9	660	<6600U	<337U	<330U	<473U
4-Methylphenol	106-44-5	660	<6600U	<337U	<330U	<473U
N-Nitroso-di-n-propylamine	621-64-7	660	<6600U	<337U	<330U	<473U
Hexachloroethane	67-72-1	660	<6600U	<337U	<330U	<473U
Nitrobenzene	98-95-3	660	<6600U	<337U	<330U	<473U
Isophorone	78-59-1	660	<6600U	<337U	<330U	<473U
2-Nitrophenol	88-75-5	660	<6600U	<337U	<330U	<473U
2,4-Dimethylphenol	105-67-9	660	<33000U	<1687U	<1650U	<2367U
Benzoic acid	65-85-0	660	<6600U	<337U	<330U	<473U
Bis(2-chloroethoxy)methane	111-91-1	660	<6600U	<337U	<330U	<473U
2,4-Dichlorophenol	120-83-2	660	<6600U	<337U	<330U	<473U
1,2,4-Trichlorobenzene	120-82-1	660	<6600U	<337U	<330U	<473U
4-Chloroaniline	106-47-8	660	<6600U	<337U	<330U	<473U
Hexachlorobutadiene	87-68-3	660	<6600U	<337U	<330U	<473U
4-Chloro-3-methylphenol	59-50-7	1300	<6600U	<337U	<330U	<473U
2-Methylnaphthalene	91-57-6	660	8300	<337U	260J	100J
Hexachlorocyclopentadiene	77-47-4	660	<6600U	<337U	<330U	<473U
2,4,6-Trichlorophenol	88-06-2	660	<6600U	<337U	<330U	<473U
2,4,5-Trichlorophenol	95-95-4	3300	<33000U	<1687U	<1650U	<2367U
2-Chloronaphthalene	91-58-7	660	<6600U	<337U	<330U	<473U
2-Nitroaniline	88-74-4	3300	<33000U	<1687U	<1650U	<2367U
Dimethyl phthalate	131-11-3	660	<6600U	<337U	<330U	<473U
2,6-Dinitrotoluene	606-20-2	3300	<33000U	<1687U	<1650U	<2367U
3-Nitroaniline	99-09-2	3300	<33000U	<1687U	<1650U	<2367U
N-Nitrosodimethylamine	62-75-9	660	<6600U	<337U	<330U	<473U
2,4-Dinitrophenol	51-28-5	3300	<33000U	<1687U	<1650U	<2367U
4-Nitrophenol	100-02-7	3300	<33000U	<1687U	<1650U	<2367U
Dibenzofuran	132-64-9	660	<6600U	<337U	<330U	<473U
2,4-Dinitrotoluene	121-14-2	660	<6600U	<337U	<330U	<473U
Diethylphthalate	84-66-2	660	<6600U	<337U	<330U	<473U
4-Chlorophenyl-phenylether	7005-72-3	660	<6600U	<337U	<330U	<473U
4-Nitroaniline	100-01-6	3300	<33000U	<1687U	<1650U	<2367U
4,6-Dinitro,2-methylphenol	534-52-1	3300	<33000U	<1687U	<1650U	<2367U
N-Nitrosodiphenylamine	86-30-6	660	<6600U	<337U	<330U	<473U
4-Bromophenyl-phenylether	101-55-3	660	<6600U	<337U	<330U	<473U
Hexachlorobenzene	118-74-1	660	<6600U	<337U	<330U	<473U
Pentachlorophenol	87-86-5	3300	<33000U	<1687U	<1650U	<2367U
Di-n-butyl phthalate	84-74-2	660	<6600U	72J	110J	115J
Butylbenzylphthalate	85-68-7	660	<6600U	<337U	<330U	<473U
3,3'-Dichlorobenzidine	91-94-1	1300	<13200U	<675U	<660U	<947U
Bis(2-ethylhexyl)phthalate	117-81-7	660	<6600U	102J	<330U	<473U
Di-n-octyl phthalate	117-84-0	660	<6600U	112J	<330U	<473U
Azobenzene	103-33-3	3300	<33000U	<1687U	<1650U	<2367U
Naphthalene	91-20-3	660	<6600U	<337U	<330U	<473U
Acenaphthylene	208-96-8	660	<6600U	<337U	<330U	<473U
Acenaphthene	83-32-9	660	<6600U	<337U	<330U	<473U
Fluorene	86-73-7	660	<6600U	<337U	110J	<473U
Phenanthrene	85-01-8	660	7500	<337U	<330U	<473U
Anthracene	120-12-7	660	<6600U	<337U	<330U	<473U
Fluoranthene	206-44-0	660	<6600U	<337U	<330U	<473U
Pyrene	129-00-0	660	<6600U	<337U	190J	<473U
Benzo(a)anthracene	56-55-3	660	<6600U	<337U	<330U	<473U
Chrysene	218-01-9	660	<6600U	<337U	180J	<473U
Benzo(b)fluoranthene	205-99-2	660	<6600U	<337U	<330U	<473U
Benzo(k)fluoranthene	207-08-9	660	<6600U	<337U	<330U	<473U
Benzo(a)pyrene	50-32-8	660	<6600U	<337U	<330U	<473U
Indeno(1,2,3-cd)pyrene	193-39-5	660	<6600U	<337U	<330U	<473U
Dibenzo(a,h)anthracene	53-70-3	660	<6600U	<337U	<330U	<473U
Benzo(g,h,i)perylene	191-24-2	660	<6600U	<337U	<330U	<473U
Sum of PAHs		10560	7500	0	480	0
Sum of Carcinogenic PAHs		4620	0	0	180	0

Table 5-2B
SVOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	B-12	MW-33	MW-34	MW-39	MW-40
Sample location:		B-12	MW-33	MW-34	MW-39	MW-40
Sample no:		B12-7.5	MW33-2.5	MW34-10	MW39-6	MW40-5
Depth(ft):		7.5-9.0	2.5-4.0	10.0-11.5	6.0-7.5	5.0-6.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/29/93	09/28/93	09/28/93	10/19/93	09/27/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	<345U	<402U	<347U	<330U	<347U
bis(2-Chloroethyl) ether	111-44-4	<345U	<402U	<347U	<330U	<347U
2-Chlorophenol	95-57-8	<345U	<402U	<347U	<330U	<347U
1,3-Dichlorobenzene	541-73-1	<345U	<402U	<347U	<330U	<347U
1,4-Dichlorobenzene	106-46-7	<345U	<402U	<347U	<330U	<347U
Benzyl alcohol	100-51-6	<345U	<402U	<347U	<330U	<347U
1,2-Dichlorobenzene	95-50-1	<345U	<402U	<347U	<330U	<347U
2-Methylphenol	95-48-7	<345U	<402U	<347U	<330U	<347U
Bis(2-chloroisopropyl)ether	39638-32-9	<345U	<402U	<347U	<330U	<347U
4-Methylphenol	106-44-5	<345U	<402U	<347U	<330U	<347U
N-Nitroso-di-n-propylamine	621-64-7	<345U	<402U	<347U	<330U	<347U
Hexachloroethane	67-72-1	<345U	<402U	<347U	<330U	<347U
Nitrobenzene	98-95-3	<345U	<402U	<347U	<330U	<347U
Isophorone	78-59-1	<345U	<402U	<347U	<330U	<347U
2-Nitrophenol	88-75-5	<345U	<402U	<347U	<330U	<347U
2,4-Dimethylphenol	105-67-9	<1726U	<2012U	<1737U	<1650U	<1737U
Benzoic acid	65-85-0	<345U	<402U	<347U	<330U	<347U
Bis(2-chloroethoxy)methane	111-91-1	<345U	<402U	<347U	<330U	<347U
2,4-Dichlorophenol	120-83-2	<345U	<402U	<347U	<330U	<347U
1,2,4-Trichlorobenzene	120-82-1	<345U	<402U	<347U	<330U	<347U
4-Chloroaniline	106-47-8	<345U	<402U	<347U	<330U	<347U
Hexachlorobutadiene	87-68-3	<345U	<402U	<347U	<330U	<347U
4-Chloro-3-methylphenol	59-50-7	<345U	<402U	<347U	<330U	<347U
2-Methylnaphthalene	91-57-6	<345U	<402U	<347U	**320J**	<347U
Hexachlorocyclopentadiene	77-47-4	<345U	<402U	<347U	<330U	<347U
2,4,6-Trichlorophenol	88-06-2	<345U	<402U	<347U	<330U	<347U
2,4,5-Trichlorophenol	95-95-4	<1726U	<2012U	<1737U	<1650U	<1737U
2-Chloronaphthalene	91-58-7	<345U	<402U	<347U	<330U	<347U
2-Nitroaniline	88-74-4	<1726U	<1650U	<1737U	<1650U	<1737U
Dimethyl phthalate	131-11-3	<345U	<402U	<347U	<330U	<347U
2,6-Dinitrotoluene	606-20-2	<1726U	<1650U	<1737U	<1650U	<1737U
3-Nitroaniline	99-09-2	<1726U	<2012U	<1737U	<1650U	<1737U
N-Nitrosodimethylamine	62-75-9	<345U	<402U	<347U	<330U	<347U
2,4-Dinitrophenol	51-28-5	<1726U	<2012U	<1737U	<1650U	<1737U
4-Nitrophenol	100-02-7	<1726U	<2012U	<1737U	<1650U	<1737U
Dibenzofuran	132-64-9	<345U	<402U	<347U	<330U	<347U
2,4-Dinitrotoluene	121-14-2	<345U	<402U	<347U	<330U	<347U
Diethylphthalate	84-66-2	<345U	<402U	<347U	<330U	<347U
4-Chlorophenyl-phenylether	7005-72-3	<345U	<402U	<347U	<330U	<347U
4-Nitroaniline	100-01-6	<1726U	<2012U	<1737U	<1650U	<1737U
4,6-Dinitro,2-methylphenol	534-52-1	<1726U	<2012U	<1737U	<1650U	<1737U
N-Nitrosodiphenylamine	86-30-6	<345U	<402U	<347U	<330U	<347U
4-Bromophenyl-phenylether	101-55-3	<345U	<402U	<347U	<330U	<347U
Hexachlorobenzene	118-74-1	<345U	<402U	<347U	<330U	<347U
Pentachlorophenol	87-86-5	<1726U	<2012U	<1737U	<1650U	<1737U
Di-n-butyl phthalate	84-74-2	<345U	<402U	<347U	**80J**	<347U
Butylbenzylphthalate	85-68-7	**136J**	<402U	<347U	<330U	<347U
3,3'-Dichlorobenzidine	91-94-1	<660U	<805U	<695U	<660U	<695U
Bis(2-ethylhexyl)phthalate	117-81-7	**136J**	<402U	<347U	<330U	<347U
Di-n-octyl phthalate	117-84-0	<345U	<402U	<347U	<330U	<347U
Azobenzene	103-33-3	<1726U	<2012U	<1737U	<1650U	<1737U
Naphthalene	91-20-3	<345U	<402U	<347U	<330U	<347U
Acenaphthylene	208-96-8	<345U	<402U	<347U	<330U	<347U
Acenaphthene	83-32-9	<345U	<402U	<347U	<330U	<347U
Fluorene	86-73-7	<345U	<402U	<347U	<330U	<347U
Phenanthrene	85-01-8	<345U	<402U	<347U	**180J**	<347U
Anthracene	120-12-7	<345U	<402U	<347U	<330U	<347U
Fluoranthene	206-44-0	<345U	<402U	<347U	**200J**	<347U
Pyrene	129-00-0	<345U	<402U	<347U	**300J**	<347U
Benzo(a)anthracene	56-55-3	<345U	<402U	<347U	**110J**	<347U
Chrysene	218-01-9	<345U	<402U	<347U	<330U	<347U
Benzo(b)fluoranthene	205-99-2	<345U	<402U	<347U	**260J**	<347U
Benzo(k)fluoranthene	207-08-9	<345U	<402U	<347U	**80J**	<347U
Benzo(a)pyrene	50-32-8	<345U	<402U	<347U	**130J**	<347U
Indeno(1,2,3-cd)pyrene	193-39-5	<345U	<402U	<347U	**130J**	<347U
Dibenzo(a,h)anthracene	53-70-3	<345U	<402U	<347U	<330U	<347U
Benzo(g,h,i)perylene	191-24-2	<345U	<402U	<347U	**170J**	<347U
Sum of PAHs		**0**	**0**	**0**	**1560**	**0**
Sum of Carcinogenic PAHs		**0**	**0**	**0**	**710**	**0**

Table 5-2B
SVOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	DW-2				
	Sample no:	DW2-5				
	Depth(ft):	5.0-6.5				
	Matrix:	Soil				
	Sample Date:	09/27/93				
	Type:	Primary				
	Method:	EPA8270				
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	<367U				
bis(2-Chloroethyl) ether	111-44-4	<367U				
2-Chlorophenol	95-57-8	<367U				
1,3-Dichlorobenzene	541-73-1	<367U				
1,4-Dichlorobenzene	106-46-7	<367U				
Benzyl alcohol	100-51-6	<367U				
1,2-Dichlorobenzene	95-50-1	<367U				
2-Methylphenol	95-48-7	<367U				
Bis(2-chloroisopropyl)ether	39638-32-9	<367U				
4-Methylphenol	106-44-5	<367U				
N-Nitroso-di-n-propylamine	621-64-7	<367U				
Hexachloroethane	67-72-1	<367U				
Nitrobenzene	98-95-3	<367U				
Isophorone	78-59-1	<367U				
2-Nitrophenol	88-75-5	<367U				
2,4-Dimethylphenol	105-67-9	<1833U				
Benzoic acid	65-85-0	<367U				
Bis(2-chloroethoxy)methane	111-91-1	<367U				
2,4-Dichlorophenol	120-83-2	<367U				
1,2,4-Trichlorobenzene	120-82-1	<367U				
4-Chloroaniline	106-47-8	<367U				
Hexachlorobutadiene	87-68-3	<367U				
4-Chloro-3-methylphenol	59-50-7	<367U				
2-Methylnaphthalene	91-57-6	<367U				
Hexachlorocyclopentadiene	77-47-4	<367U				
2,4,6-Trichlorophenol	88-06-2	<367U				
2,4,5-Trichlorophenol	95-95-4	<1833U				
2-Chloronaphthalene	91-58-7	<367U				
2-Nitroaniline	88-74-4	<1833U				
Dimethyl phthalate	131-11-3	<367U				
2,6-Dinitrotoluene	606-20-2	<1833U				
3-Nitroaniline	99-09-2	<1833U				
N-Nitrosodimethylamine	62-75-9	<367U				
2,4-Dinitrophenol	51-28-5	<1833U				
4-Nitrophenol	100-02-7	<1833U				
Dibenzofuran	132-64-9	<367U				
2,4-Dinitrotoluene	121-14-2	<367U				
Diethylphthalate	84-66-2	<367U				
4-Chlorophenyl-phenylether	7005-72-3	<367U				
4-Nitroaniline	100-01-6	<1833U				
4,6-Dinitro,2-methylphenol	534-52-1	<1833U				
N-Nitrosodiphenylamine	86-30-6	<367U				
4-Bromophenyl-phenylether	101-55-3	<367U				
Hexachlorobenzene	118-74-1	<367U				
Pentachlorophenol	87-86-5	<1833U				
Di-n-butyl phthalate	84-74-2	<367U				
Butylbenzylphthalate	85-68-7	**300J**				
3,3'-Dichlorobenzidine	91-94-1	<733U				
Bis(2-ethylhexyl)phthalate	117-81-7	<367U				
Di-n-octyl phthalate	117-84-0	<367U				
Azobenzene	103-33-3	<1833U				
Naphthalene	91-20-3	<367U				
Acenaphthylene	208-96-8	<367U				
Acenaphthene	83-32-9	<367U				
Fluorene	86-73-7	<367U				
Phenanthrene	85-01-8	**144J**				
Anthracene	120-12-7	<367U				
Fluoranthene	206-44-0	**144J**				
Pyrene	129-00-0	<367U				
Benzo(a)anthracene	56-55-3	<367U				
Chrysene	218-01-9	**189J**				
Benzo(b)fluoranthene	205-99-2	<367U				
Benzo(k)fluoranthene	207-08-9	<367U				
Benzo(a)pyrene	50-32-8	<367U				
Indeno(1,2,3-cd)pyrene	193-39-5	<367U				
Dibenzo(a,h)anthracene	53-70-3	<367U				
Benzo(g,h,i)perylene	191-24-2	<367U				
Sum of PAHs		**477**				
Sum of Carcinogenic PAHs		**189**				

Table 5-2C
SVOC Analytical Results - Saturated Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	B-6			
	Sample no:	PQL-SV	B6-10.5			
	Depth(ft):	0.0-0.0	10.5-12.0			
	Matrix:	Soil	Soil			
	Sample Date:	/ /	10/19/93			
	Type:	Primary	Primary			
	Method:	EPA8270	EPA8270			
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	660	<330U			
bis(2-Chloroethyl) ether	111-44-4	660	<330U			
2-Chlorophenol	95-57-8	660	<330U			
1,3-Dichlorobenzene	541-73-1	660	<330U			
1,4-Dichlorobenzene	106-46-7	660	<330U			
Benzyl alcohol	100-51-6	660	<330U			
1,2-Dichlorobenzene	95-50-1	660	<330U			
2-Methylphenol	95-48-7	660	<330U			
Bis(2-chloroisopropyl)ether	39638-32-9	660	<330U			
4-Methylphenol	106-44-5	660	<330U			
N-Nitroso-di-n-propylamine	621-64-7	660	<330U			
Hexachloroethane	67-72-1	660	<330U			
Nitrobenzene	98-95-3	660	<330U			
Isophorone	78-59-1	660	<330U			
2-Nitrophenol	88-75-5	660	<330U			
2,4-Dimethylphenol	105-67-9	660	<1650U			
Benzoic acid	65-85-0	660	<330U			
Bis(2-chloroethoxy)methane	111-91-1	660	<330U			
2,4-Dichlorophenol	120-83-2	660	<330U			
1,2,4-Trichlorobenzene	120-82-1	660	<330U			
4-Chloroaniline	106-47-8	660	<330U			
Hexachlorobutadiene	87-68-3	660	<330U			
4-Chloro-3-methylphenol	59-50-7	1300	<330U			
2-Methylnaphthalene	91-57-6	660	520			
Hexachlorocyclopentadiene	77-47-4	660	<330U			
2,4,6-Trichlorophenol	88-06-2	660	<330U			
2,4,5-Trichlorophenol	95-95-4	3300	<1650U			
2-Chloronaphthalene	91-58-7	660	<330U			
2-Nitroaniline	88-74-4	3300	<1650U			
Dimethyl phthalate	131-11-3	660	<330U			
2,6-Dinitrotoluene	606-20-2	3300	<1650U			
3-Nitroaniline	99-09-2	3300	<1650U			
N-Nitrosodimethylamine	62-75-9	660	<330U			
2,4-Dinitrophenol	51-28-5	3300	<1650U			
4-Nitrophenol	100-02-7	3300	<1650U			
Dibenzofuran	132-64-9	660	<330U			
2,4-Dinitrotoluene	121-14-2	660	<330U			
Diethylphthalate	84-66-2	660	<330U			
4-Chlorophenyl-phenylether	7005-72-3	660	<330U			
4-Nitroaniline	100-01-6	3300	<1650U			
4,6-Dinitro,2-methylphenol	534-52-1	3300	<1650U			
N-Nitrosodiphenylamine	86-30-6	660	<330U			
4-Bromophenyl-phenylether	101-55-3	660	<330U			
Hexachlorobenzene	118-74-1	660	<330U			
Pentachlorophenol	87-86-5	3300	<1650U			
Di-n-butyl phthalate	84-74-2	660	70J			
Butylbenzylphthalate	85-68-7	660	<330U			
3,3'-Dichlorobenzidine	91-94-1	1300	<660U			
Bis(2-ethylhexyl)phthalate	117-81-7	660	<330U			
Di-n-octyl phthalate	117-84-0	660	<330U			
Azobenzene	103-33-3	3300	<1650U			
Naphthalene	91-20-3	660	<330U			
Acenaphthylene	208-96-8	660	<330U			
Acenaphthene	83-32-9	660	<330U			
Fluorene	86-73-7	660	<330U			
Phenanthrene	85-01-8	660	<330U			
Anthracene	120-12-7	660	<330U			
Fluoranthene	206-44-0	660	<330U			
Pyrene	129-00-0	660	<330U			
Benzo(a)anthracene	56-55-3	660	<330U			
Chrysene	218-01-9	660	<330U			
Benzo(b)fluoranthene	205-99-2	660	<330U			
Benzo(k)fluoranthene	207-08-9	660	<330U			
Benzo(a)pyrene	50-32-8	660	<330U			
Indeno(1,2,3-cd)pyrene	193-39-5	660	<330U			
Dibenzo(a,h)anthracene	53-70-3	660	<330U			
Benzo(g,h,i)perylene	191-24-2	660	<330U			
Sum of PAHs		10560	0			
Sum of Carcinogenic PAHs		4620	0			

Table 5-3A
VOC Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	HA-1	HA-1	HA-2	HA-3
Sample location:		PQL	HA-1	HA-1	HA-2	HA-3
Sample no:		PQL-TVP	HA1-2	HA10-2	HA2-1	HA3-1
Depth(ft):		0.0-0.0	1.0-2.0	1.0-2.0	1.0-1.5	0.0-1.0
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		/ /	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Duplicate	Primary	Primary
Method:		EPA8240	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	10	<10U	<10U	<12U	<12U
Bromomethane	74-83-9	10	<10U	<10U	<12U	<12U
Vinyl chloride	75-01-4	10	<10U	<10U	<12U	<12U
Chloroethane	75-00-3	10	<10U	<10U	<12U	<12U
Methylene chloride	75-09-2	5	3JB	3JB	12B	11B
Acrolein	107-02-8	10	<10U	<10U	<12U	<12U
Acrylonitrile	107-13-1	10	<10U	<10U	<12U	<12U
Acetone	67-64-1	5	<5U	<5U	<6U	<6U
Carbon disulfide	75-15-0	5	<5U	<5U	<6U	<6U
1,1-Dichloroethene	75-35-4	5	<5U	<5U	<6U	<6U
1,1-Dichloroethane	75-34-3	5	<5U	<5U	<6U	<6U
1,2-Dichloroethene	540-59-0	5	<5U	<5U	<6U	<6U
Chloroform	67-66-3	5	<5U	<5U	<6U	<6U
1,2-Dichloroethane	107-06-2	5	<5U	<5U	<6U	<6U
2-Butanone	78-93-3	5	<10U	<10U	<12U	<12U
1,1,1-Trichloroethane	71-55-6	5	<5U	<5U	<6U	<6U
Carbon tetrachloride	56-23-5	5	<5U	<5U	<6U	<6U
Vinyl acetate	108-05-4	5	<10U	<10U	<12U	<12U
Bromodichloromethane	75-27-4	5	<5U	<5U	<6U	<6U
1,2-Dichloropropane	78-87-5	5	<5U	<5U	<6U	<6U
cis-1,3-Dichloropropene	10061-01-5	5	<5U	<5U	<6U	<6U
Trichloroethene	79-01-6	5	<5U	<5U	<6U	<6U
Dibromochloromethane	124-48-1	5	<5U	<5U	<6U	<6U
1,1,2-Trichloroethane	79-00-5	5	<5U	<5U	<6U	<6U
trans-1,3-Dichloropropene	10061-02-6	5	<5U	<5U	<6U	<6U
2-Chloroethylvinyl ether	110-75-8	5	<5U	<5U	<6U	<6U
Bromoform	75-25-2	5	<5U	<5U	<6U	<6U
4-Methyl-2-pentanone	108-10-1	10	<10U	<10U	<12U	<12U
2-Hexanone	591-78-6	10	<10U	<10U	<12U	<12U
Tetrachloroethene	127-18-4	5	<5U	<5U	<6U	<6U
1,1,2,2-Tetrachloroethane	79-34-5	5	<5U	<5U	<6U	<6U
Chlorobenzene	108-90-7	5	<5U	<5U	<6U	<6U
Styrene	100-42-5	5	<5U	<5U	<6U	<6U
Benzene	71-43-2	5	<5U	<5U	<6U	<6U
Toluene	108-88-3	5	<5U	<5U	<6U	<6U
Ethylbenzene	100-41-4	5	<5U	<5U	<6U	<6U
Total xylenes	1330-20-7	5	<5U	<5U	<6U	<6U

Table 5-3A
VOC Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.					
	Sample location:	HA-4				
	Sample no:	HA4-0				
	Depth(ft):	0.0-1.0				
	Matrix:	Soil				
	Sample Date:	10/07/93				
	Type:	Primary				
	Method:	EPA8240				
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	<11U				
Bromomethane	74-83-9	<11U				
Vinyl chloride	75-01-4	<11U				
Chloroethane	75-00-3	<11U				
Methylene chloride	75-09-2	**3JB**				
Acrolein	107-02-8	<11U				
Acrylonitrile	107-13-1	<11U				
Acetone	67-64-1	**14B**				
Carbon disulfide	75-15-0	<5U				
1,1-Dichloroethene	75-35-4	<5U				
1,1-Dichloroethane	75-34-3	<5U				
1,2-Dichloroethene	540-59-0	<5U				
Chloroform	67-66-3	<5U				
1,2-Dichloroethane	107-06-2	<5U				
2-Butanone	78-93-3	<11U				
1,1,1-Trichloroethane	71-55-6	<5U				
Carbon tetrachloride	56-23-5	<5U				
Vinyl acetate	108-05-4	<11U				
Bromodichloromethane	75-27-4	<5U				
1,2-Dichloropropane	78-87-5	<5U				
cis-1,3-Dichloropropene	10061-01-5	<5U				
Trichloroethene	79-01-6	<5U				
Dibromochloromethane	124-48-1	<5U				
1,1,2-Trichloroethane	79-00-5	<5U				
trans-1,3-Dichloropropene	10061-02-6	<5U				
2-Chloroethylvinyl ether	110-75-8	<5U				
Bromoform	75-25-2	<5U				
4-Methyl-2-pentanone	108-10-1	<11U				
2-Hexanone	591-78-6	<11U				
Tetrachloroethene	127-18-4	<5U				
1,1,2,2-Tetrachloroethane	79-34-5	<5U				
Chlorobenzene	108-90-7	<5U				
Styrene	100-42-5	<5U				
Benzene	71-43-2	<5U				
Toluene	108-88-3	<5U				
Ethylbenzene	100-41-4	<5U				
Total xylenes	1330-20-7	<5U				

Table 5-3B
VOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	PQL	B-4	B-4	B-5	B-6
	Sample no:	PQL-TVP	B4-10	B40-10	B5-7	B6-8
	Depth(ft):	0.0-0.0	10.0-11.5	10.0-11.5	7.0-8.5	8.0-9.5
	Matrix:	Soil	Soil	Soil	Soil	Soil
	Sample Date:	/ /	09/28/93	09/28/93	10/24/93	10/18/93
	Type:	Primary	Primary	Duplicate	Primary	Primary
	Method:	EPA8240	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	10	<53U	<53U	<10U	<20U
Bromomethane	74-83-9	10	<53U	<53U	<10U	<20U
Vinyl chloride	75-01-4	10	<53U	<53U	<10U	<20U
Chloroethane	75-00-3	10	<53U	<53U	<10U	<20U
Methylene chloride	75-09-2	5	38B	37B	10	10B
Acrolein	107-02-8	10	<53U	<53U	<10U	<20U
Acrylonitrile	107-13-1	10	<53U	<53U	<10U	<20U
Acetone	67-64-1	5	109B	100B	<5U	48B
Carbon disulfide	75-15-0	5	<27U	<27U	<5U	<10U
1,1-Dichloroethene	75-35-4	5	<27U	<27U	<5U	<10U
1,1-Dichloroethane	75-34-3	5	<27U	<27U	<5U	<10U
1,2-Dichloroethene	540-59-0	5	<27U	<27U	<5U	<10U
Chloroform	67-66-3	5	<27U	<27U	<5U	<10U
1,2-Dichloroethane	107-06-2	5	<27U	<27U	<5U	<10U
2-Butanone	78-93-3	5	<53U	<53U	<10U	<20U
1,1,1-Trichloroethane	71-55-6	5	<27U	<27U	<5U	<10U
Carbon tetrachloride	56-23-5	5	<27U	<27U	<5U	<10U
Vinyl acetate	108-05-4	5	<53U	<53U	<10U	<20U
Bromodichloromethane	75-27-4	5	<27U	<27U	<5U	<10U
1,2-Dichloropropane	78-87-5	5	<27U	<27U	<5U	<10U
cis-1,3-Dichloropropene	10061-01-5	5	<27U	<27U	<5U	<10U
Trichloroethene	79-01-6	5	<27U	<27U	<5U	<10U
Dibromochloromethane	124-48-1	5	<27U	<27U	<5U	<10U
1,1,2-Trichloroethane	79-00-5	5	<27U	<27U	<5U	<10U
trans-1,3-Dichloropropene	10061-02-6	5	<27U	<27U	<5U	<10U
2-Chloroethylvinyl ether	110-75-8	5	<27U	<27U	<5U	<10U
Bromoform	75-25-2	5	<27U	<27U	<5U	<10U
4-Methyl-2-pentanone	108-10-1	10	<53U	<53U	<10U	<20U
2-Hexanone	591-78-6	10	<53U	<53U	<10U	<20U
Tetrachloroethene	127-18-4	5	<27U	<27U	<5U	<10U
1,1,2,2-Tetrachloroethane	79-34-5	5	<27U	<27U	<5U	<10U
Chlorobenzene	108-90-7	5	<27U	<27U	<5U	<10U
Styrene	100-42-5	5	<27U	<27U	176	16
Benzene	71-43-2	5	<27U	<27U	<5U	<10U
Toluene	108-88-3	5	<27U	<27U	<5U	<10U
Ethylbenzene	100-41-4	5	<27U	<27U	<5U	<10U
Total xylenes	1330-20-7	5	<27U	<27U	<5U	<10U

Table 5-3B
VOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

RETEC

Analyte	CAS NO.	B-9	B-12	MW-33	MW-34	MW-35
Sample location:		B-9	B-12	MW-33	MW-34	MW-35
Sample no:		B9-7.5	B12-7.5	MW33-5	MW34-7.5	MW35-7.5
Depth(ft):		7.5-9.0	7.5-9.0	5.0-6.5	7.5-9.0	7.5-9.0
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/18/93	10/29/93	09/28/93	09/28/93	09/28/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8240	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	<14U	<10U	<11U	<10U	<10U
Bromomethane	74-83-9	<14U	<10U	<11U	<10U	<10U
Vinyl chloride	75-01-4	<14U	<10U	<11U	<10U	<10U
Chloroethane	75-00-3	<14U	<10U	<11U	<10U	<10U
Methylene chloride	75-09-2	**10B**	**6B**	**13B**	**4JB**	**5B**
Acrolein	107-02-8	<14U	<10U	<11U	<10U	<10U
Acrylonitrile	107-13-1	<14U	<10U	<11U	<10U	<10U
Acetone	67-64-1	**86B**	<5U	**14B**	**15B**	**10B**
Carbon disulfide	75-15-0	<7U	<5U	<5U	<5U	<5U
1,1-Dichloroethene	75-35-4	<7U	<5U	<5U	<5U	<5U
1,1-Dichloroethane	75-34-3	<7U	<5U	<5U	<5U	<5U
1,2-Dichloroethene	540-59-0	<7U	<5U	<5U	<5U	<5U
Chloroform	67-66-3	<7U	<5U	<5U	<5U	<5U
1,2-Dichloroethane	107-06-2	<7U	<5U	**9**	<5U	<5U
2-Butanone	78-93-3	**24**	<10U	<11U	<10U	<10U
1,1,1-Trichloroethane	71-55-6	<7U	<5U	<5U	<5U	<5U
Carbon tetrachloride	56-23-5	<7U	<5U	<5U	<5U	<5U
Vinyl acetate	108-05-4	<14U	<10U	<11U	<10U	<10U
Bromodichloromethane	75-27-4	<7U	<5U	<5U	<5U	<5U
1,2-Dichloropropane	78-87-5	<7U	<5U	<5U	<5U	<5U
cis-1,3-Dichloropropene	10061-01-5	<7U	<5U	<5U	<5U	<5U
Trichloroethene	79-01-6	<7U	<5U	<5U	<5U	<5U
Dibromochloromethane	124-48-1	<7U	<5U	<5U	<5U	<5U
1,1,2-Trichloroethane	79-00-5	<7U	<5U	<5U	<5U	<5U
trans-1,3-Dichloropropene	10061-02-6	<7U	<5U	<5U	<5U	<5U
2-Chloroethylvinyl ether	110-75-8	<7U	<5U	<5U	<5U	<5U
Bromoform	75-25-2	<7U	<5U	<5U	<5U	<5U
4-Methyl-2-pentanone	108-10-1	<14U	<10U	<11U	<10U	<10U
2-Hexanone	591-78-6	<14U	<10U	<11U	<10U	<10U
Tetrachloroethene	127-18-4	<7U	<5U	<5U	<5U	<5U
1,1,2,2-Tetrachloroethane	79-34-5	<7U	<5U	<5U	<5U	<5U
Chlorobenzene	108-90-7	<7U	<5U	<5U	<5U	<5U
Styrene	100-42-5	**19**	<5U	<5U	<5U	<5U
Benzene	71-43-2	<7U	<5U	<5U	<5U	<5U
Toluene	108-88-3	<7U	<5U	<5U	<5U	<5U
Ethylbenzene	100-41-4	<7U	<5U	<5U	<5U	<5U
Total xylenes	1330-20-7	<7U	<5U	<5U	<5U	<5U

Table 5-3B
VOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-35	MW-36	MW-37	MW-38	MW-39
Sample location:		MW-35	MW-36	MW-37	MW-38	MW-39
Sample no:		MW53-7.5	MW36-6	MW37-7.5	MW38-7.5	MW39-6
Depth(ft):		7.5-9.0	6.0-7.5	7.5-9.0	7.5-9.0	6.0-7.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		09/28/93	10/21/93	10/22/93	10/24/93	10/19/93
Type:		Duplicate	Primary	Primary	Primary	Primary
Method:		EPA8240	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	<10U	<53U	<10U	<11U	<10U
Bromomethane	74-83-9	<10U	<53U	<10U	<11U	<10U
Vinyl chloride	75-01-4	<10U	<53U	<10U	<11U	<10U
Chloroethane	75-00-3	<10U	<53U	<10U	<11U	<10U
Methylene chloride	75-09-2	**12B**	**56B**	**17B**	**14B**	**14B**
Acrolein	107-02-8	<10U	<53U	<10U	<11U	<10U
Acrylonitrile	107-13-1	<10U	<53U	<10U	<11U	<10U
Acetone	67-64-1	**12B**	**88B**	**37B**	**19B**	**17B**
Carbon disulfide	75-15-0	<5U	<26U	<5U	<6U	<5U
1,1-Dichloroethene	75-35-4	<5U	<26U	<5U	<6U	<5U
1,1-Dichloroethane	75-34-3	<5U	<26U	<5U	<6U	<5U
1,2-Dichloroethene	540-59-0	<5U	<26U	<5U	<6U	<5U
Chloroform	67-66-3	<5U	<26U	<5U	<6U	<5U
1,2-Dichloroethane	107-06-2	<5U	<26U	<5U	<6U	<5U
2-Butanone	78-93-3	<10U	<53U	<10U	<11U	<10U
1,1,1-Trichloroethane	71-55-6	<5U	<26U	<5U	<6U	<5U
Carbon tetrachloride	56-23-5	<5U	<26U	<5U	<6U	<5U
Vinyl acetate	108-05-4	<10U	<53U	<10U	<11U	<10U
Bromodichloromethane	75-27-4	<5U	<26U	<5U	<6U	<5U
1,2-Dichloropropane	78-87-5	<5U	<26U	<5U	<6U	<5U
cis-1,3-Dichloropropene	10061-01-5	<5U	<26U	<5U	<6U	<5U
Trichloroethene	79-01-6	<5U	<26U	<5U	<6U	<5U
Dibromochloromethane	124-48-1	<5U	<26U	<5U	<6U	<5U
1,1,2-Trichloroethane	79-00-5	<5U	<26U	<5U	<6U	<5U
trans-1,3-Dichloropropene	10061-02-6	<5U	<26U	<5U	<6U	<5U
2-Chloroethylvinyl ether	110-75-8	<5U	<26U	<5U	<6U	<5U
Bromoform	75-25-2	<5U	<26U	<5U	<6U	<5U
4-Methyl-2-pentanone	108-10-1	<10U	<53U	<10U	<11U	<10U
2-Hexanone	591-78-6	<10U	<53U	<10U	<11U	<10U
Tetrachloroethene	127-18-4	<5U	<26U	<5U	<6U	<5U
1,1,2,2-Tetrachloroethane	79-34-5	<5U	<26U	**23**	<6U	<5U
Chlorobenzene	108-90-7	<5U	<26U	<5U	<6U	<5U
Styrene	100-42-5	<5U	<26U	<5U	**58**	**28**
Benzene	71-43-2	<5U	<26U	<5U	<6U	<5U
Toluene	108-88-3	<5U	<26U	<5U	<6U	<5U
Ethylbenzene	100-41-4	<5U	<26U	<5U	<6U	<5U
Total xylenes	1330-20-7	<5U	<26U	<5U	<6U	<5U

Table 5-3B
VOC Analytical Results - Vadose Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	MW-40	DW-2			
	Sample no:	MW40-5	DW2-10			
	Depth(ft):	5.0-6.5	10.0-11.5			
	Matrix:	Soil	Soil			
	Sample Date:	09/27/93	09/27/93			
	Type:	Primary	Primary			
	Method:	EPA8240	EPA8240			
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	<10U	<11U			
Bromomethane	74-83-9	<10U	<11U			
Vinyl chloride	75-01-4	<10U	<11U			
Chloroethane	75-00-3	<10U	<11U			
Methylene chloride	75-09-2	**4JB**	**4JB**			
Acrolein	107-02-8	<10U	<11U			
Acrylonitrile	107-13-1	<10U	<11U			
Acetone	67-64-1	**7B**	**23B**			
Carbon disulfide	75-15-0	<5U	<5U			
1,1-Dichloroethene	75-35-4	<5U	<5U			
1,1-Dichloroethane	75-34-3	<5U	<5U			
1,2-Dichloroethene	540-59-0	<5U	<5U			
Chloroform	67-66-3	<5U	<5U			
1,2-Dichloroethane	107-06-2	<5U	<5U			
2-Butanone	78-93-3	<10U	<11U			
1,1,1-Trichloroethane	71-55-6	<5U	<5U			
Carbon tetrachloride	56-23-5	<5U	<5U			
Vinyl acetate	108-05-4	<10U	<11U			
Bromodichloromethane	75-27-4	<5U	<5U			
1,2-Dichloropropane	78-87-5	<5U	<5U			
cis-1,3-Dichloropropene	10061-01-5	<5U	<5U			
Trichloroethene	79-01-6	<5U	<5U			
Dibromochloromethane	124-48-1	<5U	<5U			
1,1,2-Trichloroethane	79-00-5	<5U	<5U			
trans-1,3-Dichloropropene	10061-02-6	<5U	<5U			
2-Chloroethylvinyl ether	110-75-8	<5U	<5U			
Bromoform	75-25-2	<5U	<5U			
4-Methyl-2-pentanone	108-10-1	<10U	<11U			
2-Hexanone	591-78-6	<10U	<11U			
Tetrachloroethene	127-18-4	<5U	<5U			
1,1,2,2-Tetrachloroethane	79-34-5	<5U	<5U			
Chlorobenzene	108-90-7	<5U	<5U			
Styrene	100-42-5	<5U	<5U			
Benzene	71-43-2	<5U	<5U			
Toluene	108-88-3	<5U	<5U			
Ethylbenzene	100-41-4	<5U	<5U			
Total xylenes	1330-20-7	<5U	<5U			

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	B-4	B-5	B-6	B-7
Sample location:		PQL	B-4	B-5	B-6	B-7
Sample no:		PQL-METAL	B4-0	B5-0	B6-0	B7-0
Depth(ft):		0.0-0.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		/ /	09/28/93	10/24/93	10/18/93	10/22/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	1.0	<1U	<1U	<1.1U	<1U
Beryllium	7440-41-7	0.05	<0.5U	<0.4U	<0.6U	<0.5U
Cadmium	7440-43-9	0.5	<0.5U	<0.5U	1	<0.5U
Copper	7440-50-8	1.0	252	66	68.5	38
Mercury	7439-97-6	0.01	0.04	0.02	0.05	0.19
Nickel	7440-02-0	2.0	24	21	33.4	28
Antimony	7440-36-0	0.01	0.2	0.14	0.2	<0.11U
Selenium	7782-49-2	0.10	<0.2U	0.1	<0.6U	0.2
Thallium	7440-28-0	0.20	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	1.0	58	112	460	82
Arsenic	7440-38-2	0.10	4.8	11.7	9	9.7
Chromium	7440-47-3	1.0	20	20	25.3	27
Lead	7439-92-1	2.0	125	99	480	102

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	B-8	B-9	B-10	B-11	B-11
Sample location:		B-8	B-9	B-10	B-11	B-11
Sample no:		B8-0	B9-0	B10-0	B11-0	B110-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/20/93	10/18/93	09/29/93	09/27/93	09/27/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1U	<1.1U	<1U	<1U	<1U
Beryllium	7440-41-7	<0.5U	<0.6U	<0.5U	<0.5U	<0.5U
Cadmium	7440-43-9	<0.6U	0.8	<0.6U	<0.5U	<0.5U
Copper	7440-50-8	70.9	317	28.4	36	33
Mercury	7439-97-6	0.03	0.07	<0.02U	0.16	0.13
Nickel	7440-02-0	23	41.6	33	37	36
Antimony	7440-36-0	<0.2U	2.2	<0.3U	0.1	<0.1U
Selenium	7782-49-2	<0.2U	<0.6U	<0.1U	0.3	<0.2U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	93.3	450	47.8	187	147
Arsenic	7440-38-2	7	6	10	11.2	10.9
Chromium	7440-47-3	18.1	21.8	35.4	43	41
Lead	7439-92-1	133	3600	11.3	1897	967

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	B-12	HA-1	HA-1	HA-2	HA-3
Sample location:		B-12	HA-1	HA-1	HA-2	HA-3
Sample no:		B12-0	HA1-2	HA10-2	HA2-1	HA3-1
Depth(ft):		0.0-0.5	1.0-2.0	1.0-2.0	1.0-1.5	0.0-1.0
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/29/93	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Duplicate	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1U	<1U	<1U	<1.1U	<2.4U
Beryllium	7440-41-7	<0.5U	<0.5U	<0.5U	1	<1.2U
Cadmium	7440-43-9	<0.5U	<0.6U	<0.6U	16.6	<1.2U
Copper	7440-50-8	26	18.7	14.6	85.7	38.7
Mercury	7439-97-6	0.03	0.02	<0.02U	59	0.08
Nickel	7440-02-0	35	26.1	21.7	22.5	37.8
Antimony	7440-36-0	<0.11U	<0.2U	<0.2U	1.5	<0.3U
Selenium	7782-49-2	<0.11U	<0.1U	<0.1U	0.6	<0.2U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	0.2	<0.2U
Zinc	7440-66-6	67	46.9	37.5	2400	207
Arsenic	7440-38-2	5.5	9	4	8	12
Chromium	7440-47-3	33	29.7	27.9	26.4	58.3
Lead	7439-92-1	9	20.9	11.4	550	116

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	HA-4	MW-33	MW-34	MW-35	MW-36
Sample location:		HA-4	MW-33	MW-34	MW-35	MW-36
Sample no:		HA4-0	MW33-0	MW34-0	MW35-0	MW36-0
Depth(ft):		0.0-1.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/07/93	09/28/93	09/28/93	09/28/93	10/21/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1.1U	<1U	<1U	<1U	<1U
Beryllium	7440-41-7	<0.5U	<0.5U	<0.5U	<0.6U	<0.5U
Cadmium	7440-43-9	<0.6U	<0.5U	<0.5U	<0.6U	<0.6U
Copper	7440-50-8	41.6	110	23	16.6	25.3
Mercury	7439-97-6	0.10	0.17	<0.02U	<0.02U	0.03
Nickel	7440-02-0	30.8	41	34	22	22.7
Antimony	7440-36-0	<0.3U	1.0	<0.5U	<0.2U	<0.2U
Selenium	7782-49-2	<0.2U	<0.2U	<0.2U	0.1	<0.1U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	222	76	49	34.7	79.8
Arsenic	7440-38-2	7	3	8.4	10	0.1
Chromium	7440-47-3	40.9	21	40	24.3	25.8
Lead	7439-92-1	196	211	9	3.6	78.5

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-37	MW-38	MW-39	MW-40	DW-1
Sample location:		MW-37	MW-38	MW-39	MW-40	DW-1
Sample no:		MW37-0	MW38-0	MW39-0	MW40-0	DW1-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		10/21/93	10/23/93	10/19/93	09/27/93	09/28/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1.1U	<1U	<1.2U	<1U	<1U
Beryllium	7440-41-7	<0.5U	<0.5U	<0.6U	<0.5U	<0.5U
Cadmium	7440-43-9	<0.6U	<0.5U	<0.6U	0.5	<0.5U
Copper	7440-50-8	36.4	25	21.7	57	39
Mercury	7439-97-6	0.02	0.02	0.04	0.07	<0.02U
Nickel	7440-02-0	18.2	27	25.5	34	27
Antimony	7440-36-0	<0.2U	<0.11U	<0.2U	0.2	<0.1U
Selenium	7782-49-2	<0.2U	0.1	<0.1U	<0.2U	<0.2U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	84.5	63	48	197	76
Arsenic	7440-38-2	8	8.7	4	5.8	6.1
Chromium	7440-47-3	19.3	28	28.4	46	42
Lead	7439-92-1	104	48	37.8	283	79

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	DW-2	DW-3	DW-4	DW-5	SS-13
Sample location:		DW-2	DW-3	DW-4	DW-5	SS-13
Sample no:		DW2-0	DW3-0	DW4-0	DW5-0	SS13-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		09/27/93	09/29/93	09/27/93	10/23/93	09/30/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1U	<2.3U	<1U	<1U	<1U
Beryllium	7440-41-7	<0.5U	<1.1U	<0.5U	<0.5U	<0.5U
Cadmium	7440-43-9	<0.5U	1.4	<0.5U	<0.5U	<0.6U
Copper	7440-50-8	51	124	37	23	36.5
Mercury	7439-97-6	0.12	0.06	<0.02U	<0.02U	0.11
Nickel	7440-02-0	42	27.1	27	32	22.2
Antimony	7440-36-0	<0.1U	0.6	0.2	<0.1U	<0.3U
Selenium	7782-49-2	<0.2U	0.2	0.2	<0.1U	<0.1U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	240	306	60	37	162
Arsenic	7440-38-2	11	17	<0.2U	7.3	14
Chromium	7440-47-3	52	20.7	29	27	23.2
Lead	7439-92-1	337	179	29	6	106

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SS-14	SS-14	SS-15	SS-16	SS-17
Sample location:		SS-14	SS-14	SS-15	SS-16	SS-17
Sample no:		SS14-0	SS41-0	SS15-0	SS16-0	SS17-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		09/30/93	09/30/93	09/30/93	09/30/93	09/30/93
Type:		Primary	Duplicate	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1U	<1U	<1U	<5.2U	<1.2U
Beryllium	7440-41-7	<0.5U	<0.5U	<0.5U	<2.7U	<0.6U
Cadmium	7440-43-9	<0.6U	<0.6U	<0.6U	<3U	<0.7U
Copper	7440-50-8	39.5	40	63.4	160	32.4
Mercury	7439-97-6	0.02	<0.02U	0.03	0.06	0.05
Nickel	7440-02-0	17.5	18.7	22	27.3	35.4
Antimony	7440-36-0	<0.3U	<0.3U	<0.3U	8.8	0.2
Selenium	7782-49-2	<0.1U	<0.1U	<0.1U	0.1	<0.1U
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	0.2
Zinc	7440-66-6	60	62.5	95.2	149	178
Arsenic	7440-38-2	12	11	19	22	18
Chromium	7440-47-3	17.5	18.9	20.8	22	39.4
Lead	7439-92-1	67.4	73.3	196	1300	79.1

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SS-18	SS-19	SS-19.1	SS-20	SS-21
Sample location:		SS-18	SS-19	SS-19.1	SS-20	SS-21
Sample no:		SS18-0	SS19-0	SS19.1-0	SS20-0	SS21-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		09/30/93	09/30/93	09/30/93	10/01/93	09/30/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<5.2U	<10U	<5.3U	<1U	<5.4U
Beryllium	7440-41-7	<2.7U	<5.2U	<2.6U	<0.5U	<2.7U
Cadmium	7440-43-9	<2.6U	<5.2U	<2.6U	<0.6U	<2.7U
Copper	7440-50-8	37.8	125	126	61.3	118
Mercury	7439-97-6	0.05	0.08	0.08	0.02	0.08
Nickel	7440-02-0	28.9	52.5	27.6	21.6	32.4
Antimony	7440-36-0	<0.3U	0.9	<0.3U	<0.3U	<0.3U
Selenium	7782-49-2	<0.1U	<0.2U	<0.2U	<0.5U	<0.2U
Thallium	7440-28-0	<0.2U	0.3	0.2	<0.2U	0.3
Zinc	7440-66-6	99.2	337	308	86.9	170
Arsenic	7440-38-2	12	64	48	6	20
Chromium	7440-47-3	30.4	42.2	27	20.2	26.5
Lead	7439-92-1	133	660	357	119	425

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SS-22	SS-23	SS-24	SS-25	SS-26
	Sample location:	SS-22	SS-23	SS-24	SS-25	SS-26
	Sample no:	SS22-0	SS23-0	SS24-0	SS25-0	SS26-0
	Depth(ft):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
	Matrix:	Soil	Soil	Soil	Soil	Soil
	Sample Date:	09/30/93	09/30/93	09/30/93	10/01/93	10/01/93
	Type:	Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<5.2U	<1.2U	<1U	<6U	<6U
Beryllium	7440-41-7	<2.6U	<0.6U	<0.5U	<3U	<3U
Cadmium	7440-43-9	<2.6U	1.3	<0.6U	<2.8U	<2.9U
Copper	7440-50-8	73.6	130	45.9	146	107
Mercury	7439-97-6	0.02	0.06	<0.02U	0.08	0.04
Nickel	7440-02-0	29.9	23.2	18.6	29.7	22.6
Antimony	7440-36-0	<0.3U	<0.3U	<0.3U	0.6	<0.3U
Selenium	7782-49-2	<0.2U	<0.2U	<0.1U	<0.6U	<0.6U
Thallium	7440-28-0	<0.2U	<0.2U	0.3	<0.2U	<0.2U
Zinc	7440-66-6	151	208	52.8	80.6	175
Arsenic	7440-38-2	24	21	10	9	20
Chromium	7440-47-3	23.2	23.6	18.4	17.4	27.1
Lead	7439-92-1	222	156	28.4	268	110

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	SS-27	SS-28	SS-29	SS-29	SS-30
Sample location:		SS-27	SS-28	SS-29	SS-29	SS-30
Sample no:		SS27-0	SS28-0	SS29-0	SS92-0	SS30-0
Depth(ft):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Matrix:		Soil	Soil	Soil	Soil	Soil
Sample Date:		09/30/93	09/29/93	09/30/93	09/30/93	09/30/93
Type:		Primary	Primary	Primary	Duplicate	Primary
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1U	<1U	<2.1U	<1U	<1.2U
Beryllium	7440-41-7	<0.5U	0.5	<1.1U	<0.5U	<0.6U
Cadmium	7440-43-9	0.6	<0.6U	<1.1U	<0.6U	<0.6U
Copper	7440-50-8	36	195	323	350	26.7
Mercury	7439-97-6	0.13	<0.02U	0.05	0.06	0.18
Nickel	7440-02-0	21.5	35	71.9	72.2	29.1
Antimony	7440-36-0	0.2	2.7	2.6	1.6	<0.3U
Selenium	7782-49-2	<0.2U	0.3	0.2	0.5	0.2
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U
Zinc	7440-66-6	223	101	264	262	62.5
Arsenic	7440-38-2	11	8	21	17	20
Chromium	7440-47-3	22	10.3	18.1	22.3	35
Lead	7439-92-1	151	920	402	440	18.3

Table 5-4A
Metals Analytical Results - Surface Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SS-31	SS-32	BG-1	BG-2	
	Sample location:	SS-31	SS-32	BG-1	BG-2	
	Sample no:	SS31-0	SS32-0	BG1-0	BG2-0	
	Depth(ft):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	
	Matrix:	Soil	Soil	Soil	Soil	
	Sample Date:	09/30/93	09/30/93	10/01/93	09/30/93	
	Type:	Primary	Primary	Primary	Primary	
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<5.4U	<1U	<1.2U	<1.5U	
Beryllium	7440-41-7	<2.7U	<0.5U	<0.6U	<0.7U	
Cadmium	7440-43-9	<2.7U	<0.6U	<0.6U	<0.7U	
Copper	7440-50-8	37.3	22.5	18.5	26.2	
Mercury	7439-97-6	0.06	<0.02U	0.03	0.06	
Nickel	7440-02-0	51.3	37.5	22.8	33.7	
Antimony	7440-36-0	<0.3U	<0.3U	<0.3U	<0.3U	
Selenium	7782-49-2	0.1	0.1	<0.6U	0.1	
Thallium	7440-28-0	<0.2U	<0.2U	<0.2U	0.3	
Zinc	7440-66-6	74	35.7	62.4	75.3	
Arsenic	7440-38-2	24	6	7	31	
Chromium	7440-47-3	47	36.2	30.9	41.7	
Lead	7439-92-1	11.9	9.7	15.7	28.2	

Table 5-4B
Metals Analytical Results - Saturated Zone Soil
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.					
	Sample location:	PQL	B-6			
	Sample no:	PQL-METAL	B6-10.5			
	Depth(ft):	0.0-0.0	10.5-12.0			
	Matrix:	Soil	Soil			
	Sample Date:	/ /	10/19/93			
	Type:	Primary	Primary			
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	1.0	<1.1U			
Beryllium	7440-41-7	0.05	<0.5U			
Cadmium	7440-43-9	0.5	<0.6U			
Copper	7440-50-8	1.0	15.5			
Mercury	7439-97-6	0.01	<0.02U			
Nickel	7440-02-0	2.0	13.7			
Antimony	7440-36-0	0.01	<0.2U			
Selenium	7782-49-2	0.10	<0.1U			
Thallium	7440-28-0	0.20	<0.2U			
Zinc	7440-66-6	1.0	28.6			
Arsenic	7440-38-2	0.10	3			
Chromium	7440-47-3	1.0	14.3			
Lead	7439-92-1	2.0	4.2			

TABLE 5-5
PCB ANALYTICAL RESULTS - SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REIEC

COMPOUND:				PCBs (EPA Method 8080)																			
				Aroclor 1016			Aroclor 1221			Aroclor 1232			Aroclor 1242			Aroclor 1248			Aroclor 1254			Aroclor 1260		
Sample ID:	Laboratory Sample ID:	Sample Date:	PQL (µg/kg)	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q
Surface Soil																								
B4-0	559-2789	9/28/93	33		85	U		85	U		85	U		85	U		85	U	86	170	J		170	U
B4-2	559-2787	9/28/93	33		92	U		92	U		92	U		92	U		92	U		183	U		183	U
B5-0	626-3177	10/24/93	33		80	U		80	U		80	U		80	U		80	U	24	160	J		160	U
B6-0	618-3100	10/18/93	33		93	U		93	U		93	U		93	U		93	U	45	186	J		186	U
B7-0	626-3176	10/22/93	33		85	U		85	U		85	U		85	U		85	U	25	171	J		171	U
B8-0	621-3146	10/20/93	33		84	U		84	U		84	U		84	U		84	U	14	169	J		169	U
B9-0	618-3099	10/18/93	33		89	U		89	U		89	U		89	U		89	U	54	178	J		178	U
DW2-0	559-2788	9/27/93	33		93	U		93	U		93	U		93	U		93	U		186	U		186	U
DW2-2	559-2786	9/27/93	33		92	U		92	U		92	U		92	U		92	U		184	U		184	U
DW3-0	573-2857	9/29/93	33		90	U		90	U		90	U		90	U		90	U		180	U		180	U
DW3-2	573-2853	9/29/93	33		97	U		97	U		97	U		97	U		97	U		194	U		194	U
SS13-0	573-2863	9/30/93	33		83	U		83	U		83	U		83	U		83	U		166	U		166	U
SS14-0	573-2864	9/30/93	33		82	U		82	U		82	U		82	U		82	U		163	U		163	U
SS41-0	573-2865	9/30/93	33		82	U		82	U		82	U		82	U		82	U		163	U		163	U
(SS14-0 Dup)																								
SS15-0	573-2866	9/30/93	33		83	U		83	U		83	U		83	U		83	U		165	U		165	U
SS16-0	573-2867	9/30/93	33		85	U		85	U		85	U		85	U		85	U		169	U	137	169	J
SS17-0	573-2869	9/30/93	33		100	U		100	U		100	U		100	U		100	U		200	U		200	U
SS18-0	573-2868	9/30/93	33		84	U		84	U		84	U		84	U		84	U		168	U		168	U
SS19-0	573-2870	9/30/93	33		83	U		83	U		83	U		83	U		83	U	83	166	J	92	166	J
SS19.1-0	573-2871	9/30/93	33		86	U		86	U		86	U		86	U		86	U		172	U		172	U
SS20-0	578-2896	10/1/93	33		83	U		83	U		83	U		83	U		83	U		166	U		166	U
SS21-0	573-2872	9/30/93	33		88	U		88	U		88	U		88	U		88	U		176	U		176	U
SS22-0	573-2873	9/30/93	33		82	U		82	U		82	U		82	U		82	U		165	U		165	U
SS23-0	573-2874	9/30/93	33		95	U		95	U		95	U		95	U		95	U		190	U		190	U
SS24-0	573-2875	9/30/93	33		82	U		82	U		82	U		82	U		82	U		164	U		164	U
SS25-0	578-2898	10/1/93	33		95	U		95	U		95	U		95	U		95	U		190	U		190	U
SS26-0	578-2897	10/1/93	33		91	U		91	U		91	U		91	U		91	U		183	U		183	U
SS27-0	573-2861	9/30/93	33		84	U		84	U		84	U		84	U		84	U	1200	169	J		169	U
SS28-0	573-2855	9/28/93	33		85	U		85	U		85	U		85	U		85	U		170	U		170	U
SS29-0	573-2860	9/30/93	33		84	U		84	U		84	U		84	U		84	U		168	U		168	U
SS92-0	573-2862	9/30/93	33		84	U		84	U		84	U		84	U		84	U		168	U		168	U
(SS29-0 Dup)																								
SS30-0	573-2856	9/30/93	33		94	U		94	U		94	U		94	U		94	U		188	U		188	U
SS31-0	573-2859	9/30/93	33		86	U		86	U		86	U		86	U		86	U		173	U		173	U
SS32-0	573-2858	9/30/93	33		84	U		84	U		84	U		84	U		84	U		168	U		168	U
BG1-0	578-2895	10/1/93	33		97	U		97	U		97	U		97	U		97	U		193	U		193	U
BG2-0	573-2854	9/30/93	33		119	U		119	U		119	U		119	U		119	U		238	U		238	U
Vadose Zone																								
MW40-5	559-2772	9/27/93	33		83	U		83	U		83	U		83	U		83	U		165	U		165	U
B4-10	559-2785	9/28/93	33		80	U		80	U		80	U		80	U		80	U		160	U		160	U
Saturated Contaminated Zone																								
B6-10 1/2	618-3098	10/19/93	33		80	U		80	U		80	U		80	U		80	U		160	U		160	U

TABLE 5–6
SOIL PHYSICAL RESULTS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample ID	B10–0	B10–2	B10–5	B10–12.5	DW1–0	DW1–2	DW1–5	MW36–0	MW36–2	MW36–6	MW36–7.5
Gradation											
Gravel (%)	11.5	12.2	41.7	56.3	17.0	18.9	0.0	43.5	48.6	85.6	0.0
Sand (%)	85.7	83.4	57.4	41.4	77.5	77.6	83.0	53.2	48.2	11.9	13.2
Silt (%)	2.8	1.3	0.9	0.6	3.9	0.3	12.7	2.5	2.7	1.7	69.6
Clay (%)		3.1		1.7	1.6	3.2	4.3	0.8	0.5	0.8	17.2
Ave. K (cm/sec)	0.000918	0.00071	0.0052	0.0279	0.00376	0.00335	0.000726	0.00338	0.000558	0.000919	0.000142
Moisture (%)	10.5	16.8	10.7	6.0	8.0	8.0	20.1	4.1	3.7	3.2	13.9
Specific Gravity								2.64	2.69	2.60	2.64

NOTES:

Sample ID indicates boring or well number and depth. For example, sample B10–5 was collected from boring B–10 at 5 feet below ground surface.

TABLE 5-7
SOIL TOC CONCENTRATIONS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

SAMPLE ID	DEPTH (Feet)	TOTAL ORGANIC CARBON (%)
B4-10	10	1.4
B5-7	7	0.3
B6-8	8	0.4
B9-7.5	7.5	2.0
B10-0	0	0.2
B10-2	2	0.4
B10-10	10	2.5
B10-15	15	0.8
DW1-0	0	2.0
DW1-2	2	2.7
DW1-5	5	0.8
MW36-0	0	1.2
MW36-2	2	0.5
MW36-6	6	0.7
MW36-7 1/2	7.5	0.3
SED-1	0	0.4
SED-2	0	0.4
SED-3	0	0.3
SED-4	0	0.8
SED-5	0	0.5
SED-6	0	2.1
SED-7	0	3.1

TABLE 6-1
WELL GAUGING DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	PVC	TOS	October 1, 1990					October 18, 1990					November 29, 1990					March 19, 1991				
No.	Elev.	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.
MW-1	939.20	927.80	14.29				924.91	10.86				928.34 **	9.63				929.57 **	11.82				-11.82
MW-2	939.20	926.80	14.11				925.09	10.26				928.94 **	8.63				930.57 **	11.15				-11.15
MW-3	938.03	930.60	12.91				925.12	8.06				929.97	6.22				931.81 **	8.95				-8.95
MW-4	936.95	929.60	12.00				924.95	7.15				929.80 **	6.63				930.32 **	7.97				-7.97
MW-5	933.36	928.10	9.38				923.98	4.76				928.60 **	4.30				929.06 **	6.18				-6.18
MW-6	937.94	927.50	15.23	Trace	Trace		922.71	10.90				927.04	10.11	Trace	Trace		927.83 **	12.56	12.55	0.01	12.55	-12.55
MW-7	936.89	929.40	14.81	Trace	Trace		922.08	10.40				926.49	10.11				926.78	12.21				-12.21
MW-8	936.78	926.30	14.83	Product	Product		921.95	10.52	Trace	Trace		926.26	10.01	9.98	0.03	9.98	926.80 **	12.74	12.15	0.59	12.17	-12.17
MW-9	937.53	929.20	14.72	Trace	Trace		922.81	10.46				927.07	9.58				927.95	12.04	Trace	Trace		-12.04
MW-10	938.34	929.70	14.36				923.98	10.56				927.78	9.52				928.82	11.92				-11.92
MW-11	939.20	928.50	15.39				923.81	11.79				927.41	10.73				928.47	13.14				-13.14
MW-12	931.45	926.50	7.90	Trace	Trace		923.55	3.18				928.27 **	2.99				928.46 **	5.25				-5.25
MW-13	934.93	929.90	11.98				922.95	7.70				927.23	7.55				927.38	9.38				-9.38
MW-14	936.49	930.30	13.73				922.76	9.57				926.92	9.39				927.10	11.21				-11.21
MW-15	936.80	927.60	15.16				921.64	11.80				925.00	10.45				926.35	12.38	Trace	Trace		-12.38
MW-16	934.57	925.60	16.09				918.48	12.99				921.58	12.52				922.05	14.09				-14.09
MW-17	939.11	929.60	14.07	Trace	Trace		925.04	10.19				928.92	9.02	8.98	0.04	8.98	930.13 **	11.45	11.15	0.30	11.16	-11.16
MW-18	940.68	934.10	16.37				924.31	12.58				928.10	11.45				929.23	13.82				-13.82
MW-19	932.55	926.00	13.07	Trace	Trace		919.48	7.85	Trace	Trace		924.70	8.81				923.74	10.63				-10.63
MW-20	933.74	925.54	12.06	Trace	Trace		921.68	7.63				926.11 **	7.20				926.54 **	9.31	Trace	Trace		-9.31
MW-21	938.56	927.10	15.55	Trace	Trace		923.01	12.32				926.24	11.24	11.21	0.03	11.21	927.35 **	14.44	13.54	0.90	13.56	-13.56
MW-22	925.22	921.80	7.98	Trace	Trace		917.24	4.61	Trace	Trace		920.61	NG				--	6.88	6.28	0.60	6.30	-6.30
MW-23	925.58	924.36	8.26				917.32	5.23	Trace	Trace		920.35	4.69				920.89	7.10				-7.10
MW-24	925.84	924.60	8.32	Trace	Trace		917.52	5.44	Trace	Trace		920.40	4.97				920.87	7.60				-7.60
MW-25	926.90	925.01	9.33	Trace	Trace		917.57	6.68	Trace	Trace		920.22	NG				--	9.10	8.70	0.40	8.71	-8.71
MW-26	930.65	926.99	10.31	10.30	0.01	10.30	920.35	5.99				924.66	5.63				925.02	7.64				-7.64
MW-27	936.23	929.47	13.85	Trace	Trace		922.38	10.05				926.18	9.31				926.92	12.24	11.54	0.70	11.56	-11.56
MW-28	940.63	935.70	NG				--	NG				--	NG				--	NG				--
MW-29	948.13	942.40	NG				--	NG				--	NG				--	NG				--
MW-30	931.95	926.10	NG				--	NG				--	NG				--	NG				--
MW-31	934.11	927.90	NG				--	NG				--	NG				--	NG				--
MW-32	926.06	921.50	NG				--	NG				--	NG				--	NG				--
MW-33	934.00	928.80	NG				--	NG				--	NG				--	NG				--
MW-34	935.52	930.34	NG				--	NG				--	NG				--	NG				--
MW-35	936.15	931.00	NG				--	NG				--	NG				--	NG				--
MW-36	928.39	923.21	NG				--	NG				--	NG				--	NG				--
MW-37	932.32	927.08	NG				--	NG				--	NG				--	NG				--
MW-38	922.56	917.41	NG				--	NG				--	NG				--	NG				--
MW-39	936.21	926.77	NG				--	NG				--	NG				--	NG				--
MW-40	936.52	928.48	NG				--	NG				--	NG				--	NG				--
DW-1	942.92	908.81	NG				--	NG				--	NG				--	NG				--
DW-2	934.54	894.43	NG				--	NG				--	NG				--	NG				--
DW-3	930.09	889.73	NG				--	NG				--	NG				--	NG				--
DW-4	924.79	886.87	NG				--	NG				--	NG				--	NG				--
DW-5	932.54	892.45	NG				--	NG				--	NG				--	NG				--
Maloney Ck.																						
SWG-3	918.27		NG				--	NG				--	NG				--	NG				--
SWG-2	924.27		NG				--	NG				--	NG				--	NG				--
SkykomshR.																						
SWG-1	920.73		NG				--	NG				--	NG				--	NG				--

NOTES:
DTW = Depth to Groundwater
DTO = Depth to Oil
OT = Oil Thickness
TOS = Top of Screen
CDTW = DTW-(OT*SG); where SG is the average specific gravity of product samples from the site (0.974).
NG = Not Gauged

Product = Product present but thickness not gauged
* = DTW in drop tube
** = Groundwater elevations > TOS; product ay be present in the formation, but not detected in the wells.
Elevations are relative to mean sea level (msl).
*** = Wells evaluated DNAPL. No DNAPL present.

TABLE 6-1 (Continued)
WELL GAUGING DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	PVC	TOS	October 2, 1991					November 7, 1991					December 17, 1991					March 4, 1992				
No.	Elev.	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.
MW-1	939.20	927.80	14.42				924.78	NG				--	11.10				928.10 **	11.30				927.90 **
MW-2	939.20	926.80	14.22				924.98	NG				--	10.40				928.80 **	10.65				928.55 **
MW-3	938.03	930.60	13.05				924.98	NG				--	8.30				929.73	8.60				929.43
MW-4	936.95	929.60	12.20				924.75	NG				--	7.38				929.57	7.60				929.35
MW-5	933.36	928.10	9.60				923.76	NG				--	5.20				928.16 **	5.73				927.63
MW-6	937.94	927.50	15.75	15.35	0.40	15.36	922.58	NG				--	11.00	10.70	0.30	10.71	927.23	12.25	12.15	0.10	12.15	925.79
MW-7	936.89	929.40	14.98				921.91	NG				--	11.00				925.89	11.78				925.11
MW-8	936.78	926.30	15.70	14.90	0.80	14.92	921.86	NG				--	11.20	11.10	0.10	11.10	925.68	11.95	11.94	0.01	11.94	924.84
MW-9	937.53	929.20	14.90				922.63	NG				--	11.00				926.53	11.85				925.68
MW-10	938.34	929.70	14.54				923.80	NG				--	11.10				927.24	11.53				926.81
MW-11	939.20	928.50	15.65				923.55	NG				--	12.60				926.60	12.67				926.53
MW-12	931.45	926.50	8.12	Trace	Trace		923.33	NG				--	5.98				925.47	4.80				926.65 **
MW-13	934.93	929.90	12.15				922.78	NG				--	14.82				920.11	9.00				925.93
MW-14	936.49	930.30	13.85				922.64	NG				--	10.22				926.27	10.81				925.68
MW-15	936.80	927.60	15.35	15.15	0.20	15.16	921.64	NG				--	11.65	11.62	0.03	11.62	925.18	12.30				924.50
MW-16	934.57	925.60	16.25				918.32	NG				--	13.75				920.82	13.95				920.62
MW-17	939.11	929.60	14.60	13.80	0.80	13.82	925.29	NG				--	8.10	7.70	0.40	7.71	931.40 **	10.78	10.48	0.30	10.49	928.62
MW-18	940.68	934.10	16.50				924.18	NG				--	12.95				927.73	13.38				927.30
MW-19	932.55	926.00	13.25				919.30	NG				--	10.17				922.38	10.33				922.22
MW-20	933.74	925.54	12.25				921.49	NG				--	8.20				925.54	8.90				924.84
MW-21	938.56	927.10	16.50	15.60	0.90	15.62	922.94	NG				--	12.97	12.87	0.10	12.87	925.69	13.40	13.30	0.10	13.30	925.26
MW-22	925.22	921.80	9.90	9.30	0.60	9.32	915.90	NG				--	7.80	7.50	0.30	7.51	917.71	5.70	5.65	0.05	5.65	919.57
MW-23	925.58	924.36	8.50				917.08	NG				--	6.60				918.98	6.50				919.08
MW-24	925.84	924.60	8.80				917.04	NG				--	7.15				918.69	6.85				918.99
MW-25	926.90	925.01	10.40	9.70	0.70	9.72	917.18	NG				--	NG				--	7.88	7.83	0.05	7.83	919.07
MW-26	930.65	926.99	10.50				920.15	NG				--	NG				--	7.65				923.00
MW-27	936.23	929.47	15.20	14.40	0.80	14.42	921.81	NG				--	11.00	10.20	0.80	10.22	926.01	11.28	10.98	0.30	10.99	925.24
MW-28	940.63	935.70	NG				--	14.90				925.73	13.20				927.43	13.25				927.38
MW-29	948.13	942.40	NG				--	18.70				929.43	18.60				929.53	17.50				930.63
MW-30	931.95	926.10	NG				--	14.80				917.15	14.75				917.20	14.75				917.20
MW-31	934.11	927.90	NG				--	14.65				919.46	14.30				919.81	14.45				919.66
MW-32	926.06	921.50	NG				--	8.60				917.46	8.90				917.16	8.93				917.13
MW-33	934.00	928.80	NG				--	NG				--	NG				--	NG				--
MW-34	935.52	930.34	NG				--	NG				--	NG				--	NG				--
MW-35	936.15	931.00	NG				--	NG				--	NG				--	NG				--
MW-36	928.39	923.21	NG				--	NG				--	NG				--	NG				--
MW-37	932.32	927.08	NG				--	NG				--	NG				--	NG				--
MW-38	922.56	917.41	NG				--	NG				--	NG				--	NG				--
MW-39	936.21	926.77	NG				--	NG				--	NG				--	NG				--
MW-40	936.52	928.48	NG				--	NG				--	NG				--	NG				--
DW-1	942.92	908.81	NG				--	NG				--	NG				--	NG				--
DW-2	934.54	894.43	NG				--	NG				--	NG				--	NG				--
DW-3	930.09	889.73	NG				--	NG				--	NG				--	NG				--
DW-4	924.79	886.87	NG				--	NG				--	NG				--	NG				--
DW-5	932.54	892.45	NG				--	NG				--	NG				--	NG				--
Maloney Ck.																						
SWG-3	918.27		NG				--	NG				--	NG				--	NG				--
SWG-2	924.27		NG				--	NG				--	NG				--	NG				--
SkykomshR.																						
SWG-1	920.73		NG				--	NG				--	NG				--	NG				--

NOTES:
DTW = Depth to Groundwater
DTO = Depth to Oil
OT = Oil Thickness
TOS = Top of Screen
CDTW = DTW-(OT*SG); where SG is the average specific gravity of product samples from the site (0.974).
NG = Not Gauged

Product = Product present but thickness not gauged
* = DTW in drop tube
** = Groundwater elevations > TOS; product ay be present in the formation, but not detected in the wells.
Elevations are relative to mean sea level (msl).
*** = Wells evaluated DNAPL. No DNAPL present.

TABLE 6-1 (Continued)
WELL GAUGING DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	PVC	TOS	April 17, 1992					May 10, 1993					June 16, 1993					June 30, 1993				
No.	Elev.	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.
MW-1	939.20	927.80	11.16				928.04 **	10.87				928.33 **	11.64				927.56	12.12				927.08
MW-2	939.20	926.80	10.44				928.76 **	10.12				929.08 **	11.05				928.15 **	11.62				927.58 **
MW-3	938.03	930.60	8.37				929.66	9.51				928.52	10.32				927.71	9.60				928.43
MW-4	936.95	929.60	7.32				929.63 **	7.21				929.74 **	7.89				929.06	8.35				928.60
MW-5	933.36	928.10	5.66				927.70	5.26				928.10	6.16				927.20	6.61				926.75
MW-6	937.94	927.50	12.45	12.20	0.25	12.21	925.73	NG	13.00	Product		-	NG				-	NG				-
MW-7	936.89	929.40	12.00				924.89	11.21				925.68	12.35				924.54	12.90				923.99
MW-8	936.78	926.30	12.00	Trace	Trace		924.78	NG	11.66	Product		-	NG				-	NG				-
MW-9	937.53	929.20	11.90				925.63	11.00				926.53	12.07				925.46	12.59				924.94
MW-10	938.34	929.70	11.69				926.65	10.97				927.37	11.85				926.49	12.37				925.97
MW-11	939.20	928.50	12.71				926.49	12.10	12.04	0.06	12.04	927.16	12.92				926.28	13.38				925.82
MW-12	931.45	926.50	4.55				926.90 **	6.65				924.80	5.41				926.04	5.91				925.54
MW-13	934.93	929.90	8.95				925.98	9.92				925.01	9.63				925.30	10.13				924.80
MW-14	936.49	930.30	10.84				925.65	11.72				924.77	11.42				925.07	11.92				924.57
MW-15	936.80	927.60	12.18				924.62	12.86				923.94	12.59				924.21	13.13	Trace	Trace		923.68
MW-16	934.57	925.60	13.90				920.67	NG				-	NG				-	NG				-
MW-17	939.11	929.60	10.58				928.53	NG	10.17	Product		-	NG				-	NG				-
MW-18	940.68	934.10	13.45				927.23	12.85				927.83	13.71				926.97	14.23				926.45
MW-19	932.55	926.00	10.48				922.07	9.69				922.86	10.64				921.91	11.17				921.38
MW-20	933.74	925.54	9.22				924.52	NG				-	NG				-	NG				-
MW-21	938.56	927.10	13.20	13.03	0.17	13.03	925.53	NG	12.66	Product		-	NG				-	NG				-
MW-22	925.22	921.80	4.95	Trace	Trace		920.27	NG	4.92	Product		-	5.87	Trace	Trace		919.35	6.20 *	NG	0.05		919.02
MW-23	925.58	924.36	5.37				920.21	5.46				920.12	6.43				919.15	7.07				918.51
MW-24	925.84	924.60	5.46				920.38	5.87				919.97	6.78				919.06	7.44				918.40
MW-25	926.90	925.01	6.80	6.72	0.08	6.72	920.18	NG	6.92	Product		-	12.45	Trace	Trace		914.45	8.49				918.41
MW-26	930.65	926.99	7.28				923.37	NG				-	NG				-	NG				-
MW-27	936.23	929.47	13.00	12.67	0.33	12.68	923.55	NG	10.42	Product		-	11.37	Trace	Trace		924.86	11.63 *	NG	0.05		924.60
MW-28	940.63	935.70	13.37				927.26	12.52				928.11	13.32				927.31	13.98				926.65
MW-29	948.13	942.40	17.00				931.13	18.06				930.07	17.73				930.40	18.38				929.75
MW-30	931.95	926.10	14.44				917.51	14.42				917.53	14.91				917.04	15.19				916.76
MW-31	934.11	927.90	14.26				919.85	14.00				920.11	14.67				919.44	14.99				919.12
MW-32	926.06	921.50	8.57				917.49	8.57				917.49	9.03				917.03	9.30				916.76
MW-33	934.00	928.80	NG				--	NG				-	NG				-	NG				-
MW-34	935.52	930.34	NG				--	NG				-	NG				-	NG				-
MW-35	936.15	931.00	NG				--	NG				-	NG				-	NG				-
MW-36	928.39	923.21	NG				--	NG				-	NG				-	NG				-
MW-37	932.32	927.08	NG				--	NG				-	NG				-	NG				-
MW-38	922.56	917.41	NG				--	NG				-	NG				-	NG				-
MW-39	936.21	926.77	NG				--	NG				-	NG				-	NG				-
MW-40	936.52	928.48	NG				--	NG				-	NG				-	NG				-
DW-1	942.92	908.81	NG				--	NG				-	NG				-	NG				-
DW-2	934.54	894.43	NG				--	NG				-	NG				-	NG				-
DW-3	930.09	889.73	NG				--	NG				-	NG				-	NG				-
DW-4	924.79	886.87	NG				--	NG				-	NG				-	NG				-
DW-5	932.54	892.45	NG				--	NG				-	NG				-	NG				-
Maloney Ck.																						
SWG-3	918.27		NG				--	NG				-	NG				-	NG				-
SWG-2	924.27		NG				--	NG				-	NG				-	NG				-
SkykomshR.																						
SWG-1	920.73		NG				--	NG				-	NG				-	NG				-

NOTES:
DTW = Depth to Groundwater
DTO = Depth to Oil
OT = Oil Thickness
TOS = Top of Screen
CDTW = DTW-(OT*SG); where SG is the average specific gravity of product samples from the site (0.974).
NG = Not Gauged

Product = Product present but thickness not gauged
* = DTW in drop tube
** = Groundwater elevations > TOS; product ay be present in the formation, but not detected in the wells.
Elevations are relative to mean sea level (msl).
*** = Wells evaluated DNAPL. No DNAPL present.

TABLE 6-1 (Continued)
WELL GAUGING DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	PVC	TOS	July 15, 1993					November 1-3, 1993***					December 29, 1993					April 4, 1994***				
No.	Elev.	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.
MW-1	939.20	927.80	12.63				926.57	13.24				925.96	12.78				926.42	11.72				927.48
MW-2	939.20	926.80	12.18				927.02 **	13.04				926.16	12.39				926.81 **	11.19				928.01 **
MW-3	938.03	930.60	10.39				927.64	11.52				926.51	10.55				927.48	9.49				928.54
MW-4	936.95	929.60	9.32				927.63	10.42				926.53	8.53				928.42	8.07				928.88
MW-5	933.36	928.10	7.31				926.05	8.01				925.35	6.86				926.50	6.19				927.17
MW-6	937.94	927.50	13.58 *	13.54	0.04		924.36	14.79 *	NG	Product		923.15	11.70 *	NG	Product		926.24	10.65 *	Trace	Trace		927.29
MW-7	936.89	929.40	13.48				923.41	13.91				922.98	13.26				923.63	12.27				924.62
MW-8	936.78	926.30	13.58 *	13.50	0.08		923.20	13.70 *	NG	Product		923.08	11.95 *	NG	Product		924.83	12.29 *	12.25	0.04		924.49
MW-9	937.53	929.20	13.16				924.37	13.69				923.84	13.01				924.52	12.13				925.40
MW-10	938.34	929.70	12.91				925.43	13.46				924.88	12.93				925.41	12.02				926.32
MW-11	939.20	928.50	13.85				925.35	14.46				924.74	13.95	13.90	0.05	13.90	925.30	13.05	13.03	0.02	13.03	926.17
MW-12	931.45	926.50	6.49				924.96	6.95				924.50	6.35				925.10	5.26				926.19
MW-13	934.93	929.90	10.63				924.30	10.98				923.95	10.45				924.48	9.43				925.50
MW-14	936.49	930.30	12.43				924.06	12.78				923.71	12.24				924.25	11.27				925.22
MW-15	936.80	927.60	13.70				923.10	14.09	Trace	Trace		922.71	13.46				923.34	12.45				924.35
MW-16	934.57	925.60	NG				-	15.20				919.37	14.99				919.58	14.17				920.40
MW-17	939.11	929.60	14.68 *	12.21	2.47		924.43	13.18 *	NG	Product		925.93	11.21 *	NG	Product		927.90	11.00 *	11.29	Product		928.11
MW-18	940.68	934.10	14.87				925.81	15.39				925.29	14.84				925.84	13.93				926.75
MW-19	932.55	926.00	11.67				920.88	12.02				920.53	11.61				920.94	10.62				921.93
MW-20	933.74	925.54	NG				-	NG	11.02	Product		-	12.82	10.34	2.48	10.40	923.34	NG	9.42	0.25		924.31
MW-21	938.56	927.10	14.67 *	14.42	0.25		923.89	14.82 *	NG	Product		923.74	12.30 *	NG	Product		926.26	13.88 *	13.83	0.05		924.68
MW-22	925.22	921.80	6.85 *	5.92	0.93		918.37	7.43 *	NG	Product		917.79	NG				-	5.83 *	5.83	Product		919.39
MW-23	925.58	924.36	7.56				918.02	8.10				917.48	NG				-	6.36				919.22
MW-24	925.84	924.60	7.92				917.92	NG				-	NG				-	6.62				919.22
MW-25	926.90	925.01	8.96 *	8.92	0.04		917.94	9.65 *	NG	Product		917.25	NG				-	7.79 *	7.75	0.04		919.11
MW-26	930.65	926.99	NG				-	NG				-	NG				-	7.62				923.03
MW-27	936.23	929.47	12.33 *	12.29	0.04		923.90	12.90 *	NG	Product		923.33	NG				-	10.17 *	11.17	Product		926.06
MW-28	940.63	935.70	14.45				926.18	15.06				925.57	14.51				926.12	13.46				927.17
MW-29	948.13	942.40	18.91				929.22	19.75				928.38	19.05				929.08	17.63				930.50
MW-30	931.95	926.10	15.47				916.48	15.71				916.24	15.47				916.48	14.80				917.15
MW-31	934.11	927.90	15.28				918.83	15.48				918.63	15.29				918.82	14.56				919.55
MW-32	926.06	921.50	9.58				916.48	9.87				916.19	9.61				916.45	8.97				917.09
MW-33	934.00	928.80	NG				-	8.61				925.39	7.98				926.02	6.90				927.10
MW-34	935.52	930.34	NG				-	11.56				923.96	11.43				924.09	10.74				924.78
MW-35	936.15	931.00	NG				-	12.57				923.58	12.11				924.04	11.51				924.64
MW-36	928.39	923.21	NG				-	8.64				919.75	7.46				920.93	6.53				921.86
MW-37	932.32	927.08	NG				-	10.50				921.82	NG				-	8.50				923.82
MW-38	922.56	917.41	NG				-	5.58				916.98	NG				-	4.68				917.88 **
MW-39	936.21	926.77	NG				-	NG	10.32	Product		-	NG	NG	Product		-	8.63 *	11.10	Product		927.58 **
MW-40	936.52	928.48	NG				-	12.88				923.64	12.90				923.62	11.91				924.61
DW-1	942.92	908.81	NG				-	16.74				926.18 **	16.16				926.76 **	14.95				927.97 **
DW-2	934.54	894.43	NG				-	13.13				921.41 **	12.27				922.27 **	11.41				923.13 **
DW-3	930.09	889.73	NG				-	13.29				916.80 **	12.88				917.21 **	12.10				917.99 **
DW-4	924.79	886.87	NG				-	6.40				918.39 **	6.05				918.74 **	5.10				919.69 **
DW-5	932.54	892.45	NG				-	11.41				921.13 **	11.10				921.44 **	10.13				922.41 **
Maloney Ck.																						
SWG-3	918.27		NG				-	NG				-	3.92				914.35 **	3.73				914.54 **
SWG-2	924.27		NG				-	NG				-	-0.17				924.44 **	-0.38				924.65 **
SkykomshR.																						
SWG-1	920.73		NG				-	NG				-	3.33				917.40 **	1.74				918.99 **

NOTES:
DTW = Depth to Groundwater
DTO = Depth to Oil
OT = Oil Thickness
TOS = Top of Screen
CDTW = DTW-(OT*SG); where SG is the average specific gravity of product samples from the site (0.974).
NG = Not Gauged

Product = Product present but thickness not gauged
* = DTW in drop tube
** = Groundwater elevations > TOS; product ay be present in the formation, but not detected in the wells.
Elevations are relative to mean sea level (msl).
*** = Wells evaluated DNAPL. No DNAPL present.

TABLE 6-1 (Continued)
WELL GAUGING DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	PVC	TOS	June 3, 1994					August 1, 1994					November 7, 1994				
No.	Elev.	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.	DTW	DTO	OT	CDTW	Elev.
MW-1	939.20	927.80	12.12				927.08	13.44				925.76	11.37				927.83 **
MW-2	939.20	926.80	11.66				927.54 **	13.13				926.07	13.72				925.48
MW-3	938.03	930.60	9.85				928.18	11.62				926.41	9.65				928.38
MW-4	936.95	929.60	8.60				928.35	10.70				926.25	8.07				928.88
MW-5	933.36	928.10	6.81				926.55	8.24				925.12	4.87				928.49 **
MW-6	937.94	927.50	12.68 *	12.33	0.35		925.26	13.43 *	14.08	Product		924.51	10.87 *	11.17	Product		927.07
MW-7	936.89	929.40	12.97				923.92	14.09				922.80	10.89				926.00
MW-8	936.78	926.30	12.75 *	12.60	0.15		924.03	13.96 *	14.17	Product		922.82	10.62 *	10.79	Product		926.16
MW-9	937.53	929.20	12.61				924.92	13.84				923.69	10.84				926.69
MW-10	938.34	929.70	12.39				925.95	13.65				924.69	10.98				927.36
MW-11	939.20	928.50	13.37				925.83	14.60				924.60	12.24				926.96
MW-12	931.45	926.50	6.11				925.34	7.13				924.32	3.37				928.08 **
MW-13	934.93	929.90	10.23				924.70	11.23				923.70	7.85				927.08
MW-14	936.49	930.30	12.03				924.46	13.03				923.46	9.78				926.71
MW-15	936.80	927.60	13.19				923.61	14.37	14.35	0.02	14.35	922.45	11.10				925.70
MW-16	934.57	925.60	14.56				920.01	15.37				919.20	13.64				920.93
MW-17	939.11	929.60	11.46 *	11.40	0.06		927.65	12.53 *	13.25	Product		926.58	8.97 *	10.33	Product		930.14 **
MW-18	940.68	934.10	14.26				926.42	15.57				925.11	12.97				927.71
MW-19	932.55	926.00	11.12				921.43	12.25				920.30	9.87				922.68
MW-20	933.74	925.54	NG				-	17.83	18.00	Product		915.91	NG	12.58	Product		-
MW-21	938.56	927.10	13.28 *	11.70	1.58		925.28	13.56 *	14.83	Product		925.00	11.22 *	11.75	Product		927.34 **
MW-22	925.22	921.80	6.19 *	6.25	Product		919.03	NG				-	5.38 *	5.00	0.38		919.84
MW-23	925.58	924.36	6.72				918.86	7.97				917.61	6.54				919.04
MW-24	925.84	924.60	6.98				918.86	8.32				917.52	7.51				918.33
MW-25	926.90	925.01	7.98 *	7.98	Product		918.92	9.37 *	NG	Product		917.53	8.40 *	8.42	Product		918.50
MW-26	930.65	926.99	NG				-	NG				-	6.41				924.24
MW-27	936.23	929.47	NG				-	NG				-	9.92 *	10.25	Product		926.31
MW-28	940.63	935.70	13.79				926.84	14.98				925.65	13.16	13.08	0.08	13.08	927.55
MW-29	948.13	942.40	18.03				930.10	19.46				928.67	19.41				928.72
MW-30	931.95	926.10	15.08				916.87	15.83				916.12	14.75				917.20
MW-31	934.11	927.90	14.94				919.17	15.62				918.49	14.23				919.88
MW-32	926.06	921.50	9.20				916.86	9.97				916.09	9.87				916.19
MW-33	934.00	928.80	7.25				926.75	8.37				925.63	6.97				927.03
MW-34	935.52	930.34	10.98				924.54	11.68				923.84	10.52				925.00
MW-35	936.15	931.00	11.80				924.35	12.68				923.47	10.81				925.34
MW-36	928.39	923.21	6.95				921.44	7.95				920.44	NG	6.50	Product		-
MW-37	932.32	927.08	9.12				923.20	10.17				922.15	7.26				925.06
MW-38	922.56	917.41	4.94				917.62 **	5.64				916.92	4.48				918.08 **
MW-39	936.21	926.77	NG	10.96	Product		-	NG	11.83	Product		-	7.68 *	12.67	Product		928.53 **
MW-40	936.52	928.48	12.64				923.88	14.82				921.70	10.56				925.96
DW-1	942.92	908.81	15.39				927.53 **	16.74				926.18 **	14.85				928.07 **
DW-2	934.54	894.43	11.80				922.74 **	12.84				921.70 **	11.10				923.44 **
DW-3	930.09	889.73	12.54				917.55 **	14.48				915.61 **	11.96				918.13 **
DW-4	924.79	886.87	5.44				919.35 **	6.51				918.28 **	5.12				919.67 **
DW-5	932.54	892.45	10.35				922.19 **	11.44				921.10 **	10.09				922.45 **
Maloney Ck.																	
SWG-3	918.27		3.72				914.55 **	>3.8				<914.47	3.45				914.82 **
SWG-2	924.27		DRY				<924.27	DRY				<924.27	-0.58				924.85 **
SkykomshR.																	
SWG-1	920.73		1.75				918.98 **	>2.00				<918.73	2.55				918.18 **

NOTES:

DTW = Depth to Groundwater
DTO = Depth to Oil
OT = Oil Thickness
TOS = Top of Screen
CDTW = DTW-(OT*SG); where SG is the average specific gravity of product samples from the site (0.974).
NG = Not Gauged

Product = Product present but thickness not gauged
* = DTW in drop tube
** = Groundwater elevations > TOS; product ay be present in the formation, but not detected in the wells.
Elevations are relative to mean sea level (msl).
*** = Wells evaluated DNAPL. No DNAPL present.

TABLE 6-2
SLUG TEST RESULTS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well	Lithology	Hydraulic Conductivity	
		feet/minute	feet/day
DW-1	Gravelly sand	0.049	71
DW-2	Interbedded silty sand and gravelly sand	0.028	41
DW-4	Gravelly sand	0.0066	9.4
MW-5	Interbedded sand and sandy gravel	0.058	84
MW-36	Interbedded sand and gravelly sand	0.0027	3.9

TABLE 6–3
VERTICAL GRADIENT ANALYSIS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

WELL NUMBER	PVC Elevation	Top of Screen Elevation	Nov–93 Elevation	Dec–93 Elevation	Apr–94 Elevation	June 94 Elevation	Aug–94 Elevation	Nov–94 Elevation
Groundwater Elevation								
DW–2	934.54	894.43	921.41	922.27	923.13	922.74	921.70	923.44
MW–40	936.52	928.48	923.64	923.62	924.61	923.88	921.70	925.96
Elevation Difference		34.05	–2.23	–1.35	–1.48	–1.14	0	–2.52
Vertical Gradient			–0.065	–0.040	–0.043	–0.033	0.000	–0.074
Groundwater Elevation								
DW–3	930.09	889.73	916.80	917.21	917.99	917.55	915.61	918.13
MW–30	931.95	926.10	916.24	916.48	917.15	916.87	916.12	917.20
Elevation Difference		36.37	0.56	0.73	0.84	0.68	–0.51	0.93
Vertical Gradient			0.015	0.020	0.023	0.019	–0.014	0.026

TABLE 6-4
TPH ANALYTICAL RESULTS - GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

PRE-REMEDIAL INVESTIGATION DATA				
Sample ID:	TPH-418.1 10/90 (mg/L)	TPH-418.1 3/91 (mg/L)	TPH-418.1 10/91 (mg/L)	TPH-418.1 3/92 (mg/L)
MW-1	< 1 U	< 1 U	< 1 U	< 1 U
MW-60 (MW-1 Dup)	NA	NA	NA	NA
MW-2	< 1 U	< 1 U	< 1 U	< 1 U
MW-3	< 1 U	< 1 U	< 1 U	< 1 U
MW-4	14	< 1 U	< 1 U	< 1 U
MW-53/4B (MW-4 Dup)	NA	NA	NA	NA
MW-5	< 1 U	< 1 U	< 1 U	< 1 U
MW-50 (MW-5 Dup)	NA	NA	NA	NA
MW-6	45	LNAPL	LNAPL	LNAPL
MW-6A (MW-6 Dup)	13	NA	NA	NA
MW-7	240	< 1 U	< 1 U	1.9
MW-8	36	LNAPL	LNAPL	LNAPL
MW-9	200	6	1.6	< 1 U
MW-10	3	< 1 U	< 1 U	< 1 U
MW-11	6	2	2.2	62
MW-12	210	4	1.9	5.8
MW-13	1	< 1 U	< 1 U	NA
MW-14	3	< 1 U	< 1 U	10
MW-140 (MW-12 Dup)	NA	NA	NA	NA
MW-15	100	< 1 U	LNAPL	8.2
MW-16	< 1 U	< 1 U	< 1 U	< 1 U
MW-17	< 1 U	LNAPL	LNAPL	LNAPL
MW-18	< 1 U	< 1 U	< 1 U	< 1 U
MW-19	< 1 U	< 1 U	< 1 U	< 1 U
MW-52 / 190 (MW-19 Dup)	NA	NA	NA	NA
MW-20	53	12	4.7	27
MW-20DUP	NA	NA	NA	21
MW-21	100	LNAPL	LNAPL	LNAPL
MW-22	47	LNAPL	LNAPL	LNAPL
MW-23	8	< 1 U	1.2	< 1.0 U
MW-23A (MW-23 Dup)	NA	NA	1.1	NA
MW-23B (MW-23 Dup)	NA	NA	NA	NA
MW-24	42	< 1 U	1.2	3.3
MW-25	24	LNAPL	LNAPL	LNAPL
MW-26	65	38	7.6	3.0
MW-27	200	LNAPL	LNAPL	LNAPL
MW-28	NI	NI	NI	NI
MW-29	NI	NI	NI	NI
MW-30	NI	NI	NI	NI
MW-31	NI	NI	NI	NI
MW-101(MW-31 Dup)	NA	NA	NA	NA
MW-102 (MW-31 Dup)	NA	NA	NA	NA
MW-32	NI	NI	NI	NI
MW-33	NI	NI	NI	NI
MW-34	NI	NI	NI	NI
MW-35	NI	NI	NI	NI
MW-36	NI	NI	NI	NI
MW-37	NI	NI	NI	NI
MW-370 (MW-37 Dup)	NA	NA	NA	NA
MW-38	NI	NI	NI	NI
MW-39	NI	NI	NI	NI
MW-40	NI	NI	NI	NI
MW-400 / 40B (MW-40 Dup)	NA	NA	NA	NA
DW-1	NI	NI	NI	NI
DW-2	NI	NI	NI	NI
DW-3	NI	NI	NI	NI
DW-4	NI	NI	NI	NI
DW-5	NI	NI	NI	NI
Field Blanks				
MW-100	NA	NA	NA	NA
MW-101	NA	NA	NA	NA
MW-102	NA	NA	NA	NA
MW-103	NA	NA	NA	NA
MW-104	NA	NA	NA	NA
MW-200	NA	NA	NA	NA

Data for pre-remedial investigation is qualitative and biased low.

Notes: LNAPL = LNAPL measured in well
NI = Well not installed

TABLE 6-4 (cont.)
TPH ANALYTICAL RESULTS - GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REMEDIAL INVESTIGATION DATA					
Sample ID:	PQL (mg/L)	WTPH-Diesel GC/FID (C10-C30) 11/93 (mg/L)	WTPH-D Extended GC/FID (C9-C36) 4/94 (mg/L)	WTPH-D Extended GC/FID (C9-C36) 8/94 (mg/L)	WTPH-D Extended GC/FID (C9-C36) 11/94 (mg/L)
MW-1	1.0	< 0.25 U	< 0.020 U	< 0.2 U	< 0.2 U
MW-60 (MW-1 Dup)	1.0	< 0.25 U	NA	NA	NA
MW-2	1.0	< 0.25 U	NA	NA	NA
MW-3	1.0	< 0.25 U	NA	1	< 0.2 U
MW-4	1.0	< 0.25 U	0.37	0.6	< 0.2 U
MW-53 / 4B (MW-4 Dup)	1.0	< 0.25 U	NA	1	NA
MW-5	1.0	< 0.25 U	0.31	0.1 J	0.69
MW-50 (MW-5 Dup)	1.0		< 0.020 U	NA	NA
MW-6		LNAPL	LNAPL	LNAPL	LNAPL
MW-7	1.0	0.43	NA	NA	NA
MW-8		LNAPL	LNAPL	LNAPL	LNAPL
MW-9	1.0	1.2	NA	NA	0.58
MW-10	1.0	< 0.25 U	NA	NA	NA
MW-11	1.0	4.6	NA	NA	37
MW-12	1.0	1.9	NA	NA	NA
MW-51	1.0	1.3	NA	NA	NA
MW-13	1.0	1.6	< 0.020 U	6.5	0.83
MW-14	1.0	< 0.25 U	1.4	NA	< 0.2 U
MW-140 (MW-12 Dup)	1.0	NA	1.4	NA	NA
MW-15	1.0	0.82	NA	NA	NA
MW-16	1.0	< 0.25 U	NA	NA	NA
MW-17		LNAPL	LNAPL	LNAPL	LNAPL
MW-18	1.0	< 0.25 U	NA	NA	NA
MW-19	1.0	< 0.25 U	< 0.020 U	0.2	< 0.2 U
MW-52 / 190 (MW-19 Dup)	1.0	< 0.25 U	NA	NA	< 0.2 U
MW-20		LNAPL	LNAPL	LNAPL	LNAPL
MW-21		LNAPL	LNAPL	LNAPL	LNAPL
MW-22		LNAPL	LNAPL	NA	LNAPL
MW-23	1.0	< 0.25 U	< 0.020 U	0.3	< 0.2 U
MW-23B (MW-23 Dup)	1.0	NA	NA	0.3	NA
MW-24	1.0	3.1	NA	NA	NA
MW-25		LNAPL	LNAPL	LNAPL	LNAPL
MW-26	1.0	NA	NA	NA	2.6
MW-27		LNAPL	LNAPL	NA	LNAPL
MW-28	1.0	5.4	1.6	2.5	NA
MW-29	1.0	< 0.25 U	NA	NA	NA
MW-30	1.0	< 0.25 U	NA	NA	NA
MW-31	1.0	< 0.25 U	NA	NA	NA
MW-101(MW-31 Dup)	1.0	< 0.25 U	NA	NA	NA
MW-102 (MW-31 Dup)	1.0	< 0.25 U	NA	NA	NA
MW-32	1.0	< 0.25 U	NA	NA	NA
MW-33	1.0	< 0.25 U	NA	NA	NA
MW-34	1.0	0.65	< 0.020 U	0.3	< 0.2 U
MW-35	1.0	< 0.25 U	0.41	0.4	0.32
MW-36	1.0	3.8	0.55	0.6	NA
MW-37	1.0	0.32	0.33	0.5	0.52
MW-370 (MW-37 Dup)	1.0	NA	NA	NA	0.43
MW-38	1.0	< 0.25 U	< 0.020 U	0.3	0.09 J
MW-39		LNAPL	LNAPL	LNAPL	LNAPL
MW-40	1.0	< 0.25 U	< 0.020 U	< 0.2 U	< 0.2 U
MW-400 / 40B (MW-40 Dup)	1.0		< 0.020 U	< 0.2 U	< 0.2 U
DW-1	1.0	< 0.25 U	< 0.020 U	< 0.3 U	NA
DW-2	1.0	< 0.25 U	< 0.020 U	< 0.2 U	NA
DW-3	1.0	< 0.25 U	NA	NA	NA
DW-4	1.0	< 0.25 U	< 0.020 U	< 0.2 U	NA
DW-5	1.0	< 0.25 U	< 0.020 U	< 0.2 U	NA
Field Blanks					
MW-100	1.0	NA	NA	< 0.2 U	< 0.2 U
MW-101	1.0	NA	< 0.020 U	< 0.2 U	NA
MW-102	1.0	NA	< 0.020 U	< 0.2 U	NA
MW-103	1.0	NA	< 0.020 U	NA	< 0.2 U
MW-104	1.0	NA	NA	NA	< 0.2 U
MW-200	1.0	< 0.25 U	NA	NA	NA

Data for pre-remedial investigation is qualitative and biased low.

Notes: LNAPL = LNAPL measured in well
NI = Well not installed

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	MW-3	MW-4	MW-4	MW-5
Sample location:		PQL	MW-3	MW-4	MW-4	MW-5
Sample no:		PQL-SVO	MW-3-11-93	MW-4-11-93	MW-53-11-93	MW-5-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		/ /	11/05/93	11/05/93	11/05/93	04/07/94
Type:		Primary	Primary	Primary	Duplicate	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	10	<10U	<10U	<10U	<5U
bis(2-Chloroethyl) ether	111-44-4	10	<10U	<10U	<10U	<5U
2-Chlorophenol	95-57-8	10	<10U	<10U	<10U	<5U
1,3-Dichlorobenzene	541-73-1	10	<10U	<10U	<10U	<5U
1,4-Dichlorobenzene	106-46-7	10	<10U	<10U	<10U	<5U
Benzyl alcohol	100-51-6	10	<10U	<10U	<10U	<5U
1,2-Dichlorobenzene	95-50-1	10	<10U	<10U	<10U	<5U
2-Methylphenol	95-48-7	10	<10U	<10U	<10U	<5U
Bis(2-chloroisopropyl)ether	39638-32-9	10	<10U	<10U	<10U	<5U
4-Methylphenol	106-44-5	10	<10U	<10U	<10U	<5U
N-Nitroso-di-n-propylamine	621-64-7	10	<10U	<10U	<10U	<5U
Hexachloroethane	67-72-1	10	<10U	<10U	<10U	<5U
Nitrobenzene	98-95-3	10	<10U	<10U	<10U	<5U
Isophorone	78-59-1	10	<10U	<10U	<10U	<5U
2-Nitrophenol	88-75-5	10	<10U	<10U	<10U	<5U
2,4-Dimethylphenol	105-67-9	10	<50U	<50U	<50U	<25U
Benzoic acid	65-85-0	10	<10U	<10U	<10U	<5U
Bis(2-chloroethoxy)methane	111-91-1	10	<10U	<10U	<10U	<5U
2,4-Dichlorophenol	120-83-2	10	<10U	<10U	<10U	<5U
1,2,4-Trichlorobenzene	120-82-1	10	<10U	<10U	<10U	<5U
4-Chloroaniline	106-47-8	10	<10U	<10U	<10U	<5U
Hexachlorobutadiene	87-68-3	10	<10U	<10U	<10U	<5U
4-Chloro-3-methylphenol	59-50-7	20	<10U	<10U	<10U	<5U
2-Methylnaphthalene	91-57-6	10	<10U	<10U	<10U	<5U
Hexachlorocyclopentadiene	77-47-4	10	<10U	<10U	<10U	<5U
2,4,6-Trichlorophenol	88-06-2	10	<10U	<10U	<10U	<5U
2,4,5-Trichlorophenol	95-95-4	50	<50U	<50U	<50U	<25U
2-Chloronaphthalene	91-58-7	10	<10U	<10U	<10U	<5U
2-Nitroaniline	88-74-4	50	<50U	<50U	<50U	<25U
Dimethyl phthalate	131-11-3	10	<10U	<10U	<10U	<5U
2,6-Dinitrotoluene	606-20-2	50	<50U	<50U	<50U	<25U
3-Nitroaniline	99-09-2	50	<50U	<50U	<50U	<25U
N-Nitrosodimethylamine	62-75-9	10	<10U	<10U	<10U	<5U
2,4-Dinitrophenol	51-28-5	50	<50U	<50U	<50U	<25U
4-Nitrophenol	100-02-7	50	<50U	<50U	<50U	<25U
Dibenzofuran	132-64-9	10	<10U	<10U	<10U	<5U
2,4-Dinitrotoluene	121-14-2	10	<10U	<10U	<10U	<5U
Diethylphthalate	84-66-2	10	<10U	<10U	<10U	<5U
4-Chlorophenyl-phenylether	7005-72-3	10	<10U	<10U	<10U	<5U
4-Nitroaniline	100-01-6	50	<50U	<50U	<50U	<25U
4,6-Dinitro,2-methylphenol	534-52-1	50	<50U	<50U	<50U	<25U
N-Nitrosodiphenylamine	86-30-6	10	<10U	<10U	<10U	<5U
4-Bromophenyl-phenylether	101-55-3	10	<10U	<10U	<10U	<5U
Hexachlorobenzene	118-74-1	10	<10U	<10U	<10U	<5U
Pentachlorophenol	87-86-5	50	<50U	<50U	<50U	<25U
Di-n-butyl phthalate	84-74-2	10	<10U	<10U	<10U	<5U
Butylbenzylphthalate	85-68-7	10	<10U	<10U	<10U	<5U
3,3'-Dichlorobenzidine	91-94-1	20	<20U	<20U	<20U	<25U
Bis(2-ethylhexyl)phthalate	117-81-7	10	<10U	<10U	<10U	<5U
Di-n-octyl phthalate	117-84-0	10	<10U	<10U	<10U	<5U
Azobenzene	103-33-3	50	<50U	<50U	<50U	<25U
Naphthalene	91-20-3	10	<10U	<10U	<10U	<5U
Acenaphthylene	208-96-8	10	<10U	<10U	<10U	<5U
Acenaphthene	83-32-9	10	<10U	<10U	<10U	<5U
Fluorene	86-73-7	10	<10U	<10U	<10U	<5U
Phenanthrene	85-01-8	10	<10U	<10U	<10U	<5U
Anthracene	120-12-7	10	<10U	<10U	<10U	<5U
Fluoranthene	206-44-0	10	<10U	<10U	<10U	<5U
Pyrene	129-00-0	10	<10U	<10U	<10U	<5U
Benzo(a)anthracene	56-55-3	10	<10U	<10U	<10U	<5U
Chrysene	218-01-9	10	<10U	<10U	<10U	<5U
Benzo(b)fluoranthene	205-99-2	10	<10U	<10U	<10U	<5U
Benzo(k)fluoranthene	207-08-9	10	<10U	<10U	<10U	<5U
Benzo(a)pyrene	50-32-8	10	<10U	<10U	<10U	<5U
Indeno(1,2,3-cd)pyrene	193-39-5	10	<10U	<10U	<10U	<5U
Dibenzo(a,h)anthracene	53-70-3	10	<10U	<10U	<10U	<5U
Benzo(g,h,i)perylene	191-24-2	10	<10U	<10U	<10U	<5U
Sum of PAHs		160	0	0	0	0
Sum of Carcinogenic PAHs		70	0	0	0	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-5	MW-5	MW-7	MW-9	MW-9
Sample location:		MW-5	MW-5	MW-7	MW-9	MW-9
Sample no:		MW-500-04-94	MW-5-08-94	MW-7-11-93	MW-9-11-93	MW-9-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		04/07/94	08/02/94	11/02/93	11/05/93	04/05/94
Type:		Duplicate	Primary	Primary	Primary	Primary
Method:		EPA8270	EPA8310	EPA8270	EPA8270	EPA8310
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<5U	NA	<10U	<10U	NA
bis(2-Chloroethyl) ether	111-44-4	<5U	NA	<10U	<10U	NA
2-Chlorophenol	95-57-8	<5U	NA	<10U	<10U	NA
1,3-Dichlorobenzene	541-73-1	<5U	NA	<10U	<10U	NA
1,4-Dichlorobenzene	106-46-7	<5U	NA	<10U	<10U	NA
Benzyl alcohol	100-51-6	<5U	NA	<10U	<10U	NA
1,2-Dichlorobenzene	95-50-1	<5U	NA	<10U	<10U	NA
2-Methylphenol	95-48-7	<5U	NA	<10U	<10U	NA
Bis(2-chloroisopropyl)ether	39638-32-9	<5U	NA	<10U	<10U	NA
4-Methylphenol	106-44-5	<5U	NA	<10U	<10U	NA
N-Nitroso-di-n-propylamine	621-64-7	<5U	NA	<10U	<10U	NA
Hexachloroethane	67-72-1	<5U	NA	<10U	<10U	NA
Nitrobenzene	98-95-3	<5U	NA	<10U	<10U	NA
Isophorone	78-59-1	<5U	NA	<10U	<10U	NA
2-Nitrophenol	88-75-5	<5U	NA	<10U	<10U	NA
2,4-Dimethylphenol	105-67-9	<25U	NA	<50U	<50U	NA
Benzoic acid	65-85-0	<5U	NA	<10U	<10U	NA
Bis(2-chloroethoxy)methane	111-91-1	<5U	NA	<10U	<10U	NA
2,4-Dichlorophenol	120-83-2	<5U	NA	<10U	<10U	NA
1,2,4-Trichlorobenzene	120-82-1	<5U	NA	<10U	<10U	NA
4-Chloroaniline	106-47-8	<5U	NA	<10U	<10U	NA
Hexachlorobutadiene	87-68-3	<5U	NA	<10U	<10U	NA
4-Chloro-3-methylphenol	59-50-7	<5U	NA	<10U	<10U	NA
2-Methylnaphthalene	91-57-6	<5U	NA	<10U	<10U	NA
Hexachlorocyclopentadiene	77-47-4	<5U	NA	<10U	<10U	NA
2,4,6-Trichlorophenol	88-06-2	<5U	NA	<10U	<10U	NA
2,4,5-Trichlorophenol	95-95-4	<25U	NA	<50U	<50U	NA
2-Chloronaphthalene	91-58-7	<5U	NA	<10U	<10U	NA
2-Nitroaniline	88-74-4	<25U	NA	<50U	<50U	NA
Dimethyl phthalate	131-11-3	<5U	NA	<10U	<10U	NA
2,6-Dinitrotoluene	606-20-2	<25U	NA	<50U	<50U	NA
3-Nitroaniline	99-09-2	<25U	NA	<50U	<50U	NA
N-Nitrosodimethylamine	62-75-9	<5U	NA	<10U	<10U	NA
2,4-Dinitrophenol	51-28-5	<25U	NA	<50U	<50U	NA
4-Nitrophenol	100-02-7	<25U	NA	<50U	<50U	NA
Dibenzofuran	132-64-9	<5U	NA	<10U	<10U	NA
2,4-Dinitrotoluene	121-14-2	<5U	NA	<10U	<10U	NA
Diethylphthalate	84-66-2	<5U	NA	<10U	<10U	NA
4-Chlorophenyl-phenylether	7005-72-3	<5U	NA	<10U	<10U	NA
4-Nitroaniline	100-01-6	<25U	NA	<50U	<50U	NA
4,6-Dinitro,2-methylphenol	534-52-1	<25U	NA	<50U	<50U	NA
N-Nitrosodiphenylamine	86-30-6	<5U	NA	<10U	<10U	NA
4-Bromophenyl-phenylether	101-55-3	<5U	NA	<10U	<10U	NA
Hexachlorobenzene	118-74-1	<5U	NA	<10U	<10U	NA
Pentachlorophenol	87-86-5	<25U	NA	<50U	<50U	NA
Di-n-butyl phthalate	84-74-2	<5U	NA	<10U	<10U	NA
Butylbenzylphthalate	85-68-7	<5U	NA	<10U	<10U	NA
3,3'-Dichlorobenzidine	91-94-1	<25U	NA	<20U	<20U	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<5U	NA	**3J**	<10U	NA
Di-n-octyl phthalate	117-84-0	<5U	NA	**3J**	<10U	NA
Azobenzene	103-33-3	<25U	NA	<50U	<50U	NA
Naphthalene	91-20-3	<5U	<1.8U	<10U	<10U	<1.8U
Acenaphthylene	208-96-8	<5U	<2.3U	<10U	<10U	<2.3U
Acenaphthene	83-32-9	<5U	<1.8U	<10U	<10U	<1.8U
Fluorene	86-73-7	<5U	**0.20J**	<10U	<10U	<0.21U
Phenanthrene	85-01-8	<5U	<0.64U	<10U	<10U	<0.64U
Anthracene	120-12-7	<5U	**0.50J**	<10U	<10U	**0.90J**
Fluoranthene	206-44-0	<5U	**0.15J**	<10U	<10U	<1.70U
Pyrene	129-00-0	<5U	<0.27U	<10U	<10U	<0.60U
Benzo(a)anthracene	56-55-3	<5U	**0.10**	<10U	<10U	<0.30U
Chrysene	218-01-9	<5U	<0.15U	<10U	<10U	<0.30U
Benzo(b)fluoranthene	205-99-2	<5U	<0.020U	<10U	<10U	<0.020U
Benzo(k)fluoranthene	207-08-9	<5U	<0.020U	<10U	<10U	<0.040U
Benzo(a)pyrene	50-32-8	<5U	<0.030U	<10U	<10U	<0.030U
Indeno(1,2,3-cd)pyrene	193-39-5	<5U	<0.050U	<10U	<10U	<0.050U
Dibenzo(a,h)anthracene	53-70-3	<5U	<0.030U	<10U	<10U	<0.030U
Benzo(g,h,i)perylene	191-24-2	<5U	<0.080U	<10U	<10U	<0.080U
Sum of PAHs		**0**	**1**	**0**	**0**	**1**
Sum of Carcinogenic PAHs		**0**	**0**	**0**	**0**	**0**

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-9	MW-10	MW-11	MW-11	MW-11
Sample location:		MW-9	MW-10	MW-11	MW-11	MW-11
Sample no:		MW-9-08-94	MW-10-11-93	MW-11-04-94a	MW-11-04-94b	MW-11-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	11/08/93	04/05/94	04/06/94	08/02/94
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8310	EPA8270	EPA8270	EPA8270	EPA8310
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	NA	<10U	<5U	NA	NA
bis(2-Chloroethyl) ether	111-44-4	NA	<10U	<5U	NA	NA
2-Chlorophenol	95-57-8	NA	<10U	<5U	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	<10U	<5U	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	<10U	<5U	NA	NA
Benzyl alcohol	100-51-6	NA	<10U	<5U	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	<10U	<5U	NA	NA
2-Methylphenol	95-48-7	NA	<10U	<5U	NA	NA
Bis(2-chloroisopropyl)ether	39638-32-9	NA	<10U	<5U	NA	NA
4-Methylphenol	106-44-5	NA	<10U	<5U	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	<10U	<5U	NA	NA
Hexachloroethane	67-72-1	NA	<10U	<5U	NA	NA
Nitrobenzene	98-95-3	NA	<10U	<5U	NA	NA
Isophorone	78-59-1	NA	<10U	<5U	NA	NA
2-Nitrophenol	88-75-5	NA	<10U	<5U	NA	NA
2,4-Dimethylphenol	105-67-9	NA	<50U	<25U	NA	NA
Benzoic acid	65-85-0	NA	<10U	<5U	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	<10U	<5U	NA	NA
2,4-Dichlorophenol	120-83-2	NA	<10U	<5U	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NA	<10U	<5U	NA	NA
4-Chloroaniline	106-47-8	NA	<10U	<5U	NA	NA
Hexachlorobutadiene	87-68-3	NA	<10U	<5U	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	<10U	<5U	NA	NA
2-Methylnaphthalene	91-57-6	NA	<10U	89	200	NA
Hexachlorocyclopentadiene	77-47-4	NA	<10U	<5U	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	<10U	<5U	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	<50U	<25U	NA	NA
2-Chloronaphthalene	91-58-7	NA	<10U	<5U	NA	NA
2-Nitroaniline	88-74-4	NA	<50U	<25U	NA	NA
Dimethyl phthalate	131-11-3	NA	<10U	<5U	NA	NA
2,6-Dinitrotoluene	606-20-2	NA	<50U	<25U	NA	NA
3-Nitroaniline	99-09-2	NA	<50U	<25U	NA	NA
N-Nitrosodimethylamine	62-75-9	NA	<10U	<5U	NA	NA
2,4-Dinitrophenol	51-28-5	NA	<50U	<25U	NA	NA
4-Nitrophenol	100-02-7	NA	<50U	<25U	NA	NA
Dibenzofuran	132-64-9	NA	<10U	<5U	19	NA
2,4-Dinitrotoluene	121-14-2	NA	<10U	<5U	NA	NA
Diethylphthalate	84-66-2	NA	<10U	<5U	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	NA	<10U	<5U	NA	NA
4-Nitroaniline	100-01-6	NA	<50U	<25U	NA	NA
4,6-Dinitro,2-methylphenol	534-52-1	NA	<50U	<25U	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	<10U	<5U	NA	NA
4-Bromophenyl-phenylether	101-55-3	NA	<10U	<5U	NA	NA
Hexachlorobenzene	118-74-1	NA	<10U	<5U	NA	NA
Pentachlorophenol	87-86-5	NA	<50U	<25U	NA	NA
Di-n-butyl phthalate	84-74-2	NA	<10U	<5U	NA	NA
Butylbenzylphthalate	85-68-7	NA	<10U	<5U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	<20U	<25U	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	NA	<10U	<5U	NA	NA
Di-n-octyl phthalate	117-84-0	NA	<10U	7	NA	NA
Azobenzene	103-33-3	NA	<50U	<25U	NA	NA
Naphthalene	91-20-3	<18U	<10U	31	32	<5.5U
Acenaphthylene	208-96-8	<23U	<10U	<5U	<6.6U	<7.0U
Acenaphthene	83-32-9	<18U	<10U	39	28	<5.5U
Fluorene	86-73-7	<2.1U	<10U	38	48	<1.2U
Phenanthrene	85-01-8	<6.4U	<10U	<5U	110	<3.8U
Anthracene	120-12-7	<6.6U	<10U	73	9.2	<1.2U
Fluoranthene	206-44-0	<2.1U	<10U	5	2.7J	52J
Pyrene	129-00-0	<2.7U	<10U	2J	3.9	<3.0U
Benzo(a)anthracene	56-55-3	3.0	<10U	<5U	<3.0U	0.61J
Chrysene	218-01-9	2.0	<10U	<5U	<3.0U	<0.45U
Benzo(b)fluoranthene	205-99-2	<0.20U	<10U	<5U	<3.0U	<0.061U
Benzo(k)fluoranthene	207-08-9	<0.20U	<10U	<5U	<3.0U	<0.061U
Benzo(a)pyrene	50-32-8	<0.30U	<10U	<5U	<3.0U	<0.091U
Indeno(1,2,3-cd)pyrene	193-39-5	<0.50U	<10U	<5U	<3.0U	<0.15U
Dibenzo(a,h)anthracene	53-70-3	<0.30U	<10U	<5U	<3.0U	<0.091U
Benzo(g,h,i)perylene	191-24-2	<0.80U	<10U	<5U	<3.0U	<0.24U
Sum of PAHs		5	0	188	234	53
Sum of Carcinogenic PAHs		5	0	0	0	1

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

RETEC

Analyte	CAS NO.	MW-12	MW-12	MW-12	MW-12	MW-14
Sample location:		MW-12	MW-12	MW-12	MW-12	MW-14
Sample no:		MW-12-11-93	MW-51-11-93	MW-12-04-94	MW-12-08-94	MW-14-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/02/93	11/02/93	04/06/94	08/02/94	11/08/93
Type:		Primary	Duplicate	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8310	EPA8310	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<10U	<10U	NA	NA	<10U
bis(2-Chloroethyl) ether	111-44-4	<10U	<10U	NA	NA	<10U
2-Chlorophenol	95-57-8	<10U	<10U	NA	NA	<10U
1,3-Dichlorobenzene	541-73-1	<10U	<10U	NA	NA	<10U
1,4-Dichlorobenzene	106-46-7	<10U	<10U	NA	NA	<10U
Benzyl alcohol	100-51-6	<10U	<10U	NA	NA	<10U
1,2-Dichlorobenzene	95-50-1	<10U	<10U	NA	NA	<10U
2-Methylphenol	95-48-7	<10U	<10U	NA	NA	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	<10U	<10U	NA	NA	<10U
4-Methylphenol	106-44-5	<10U	<10U	NA	NA	<10U
N-Nitroso-di-n-propylamine	621-64-7	<10U	<10U	NA	NA	<10U
Hexachloroethane	67-72-1	<10U	<10U	NA	NA	<10U
Nitrobenzene	98-95-3	<10U	<10U	NA	NA	<10U
Isophorone	78-59-1	<10U	<10U	NA	NA	<10U
2-Nitrophenol	88-75-5	<10U	<10U	NA	NA	<10U
2,4-Dimethylphenol	105-67-9	<50U	<50U	NA	NA	<50U
Benzoic acid	65-85-0	<10U	<10U	NA	NA	<10U
Bis(2-chloroethoxy)methane	111-91-1	<10U	<10U	NA	NA	<10U
2,4-Dichlorophenol	120-83-2	<10U	<10U	NA	NA	<10U
1,2,4-Trichlorobenzene	120-82-1	<10U	<10U	NA	NA	<10U
4-Chloroaniline	106-47-8	<10U	<10U	NA	NA	<10U
Hexachlorobutadiene	87-68-3	<10U	<10U	NA	NA	<10U
4-Chloro-3-methylphenol	59-50-7	<10U	<10U	NA	NA	<10U
2-Methylnaphthalene	91-57-6	<10U	<10U	NA	NA	<10U
Hexachlorocyclopentadiene	77-47-4	<10U	<10U	NA	NA	<10U
2,4,6-Trichlorophenol	88-06-2	<10U	<10U	NA	NA	<10U
2,4,5-Trichlorophenol	95-95-4	<50U	<50U	NA	NA	<50U
2-Chloronaphthalene	91-58-7	<10U	<10U	NA	NA	<10U
2-Nitroaniline	88-74-4	<50U	<50U	NA	NA	<50U
Dimethyl phthalate	131-11-3	<10U	<10U	NA	NA	<10U
2,6-Dinitrotoluene	606-20-2	<50U	<50U	NA	NA	<50U
3-Nitroaniline	99-09-2	<50U	<50U	NA	NA	<50U
N-Nitrosodimethylamine	62-75-9	<10U	<10U	NA	NA	<10U
2,4-Dinitrophenol	51-28-5	<50U	<50U	NA	NA	<50U
4-Nitrophenol	100-02-7	<50U	<50U	NA	NA	<50U
Dibenzofuran	132-64-9	<10U	<10U	NA	NA	<10U
2,4-Dinitrotoluene	121-14-2	<10U	<10U	NA	NA	<10U
Diethylphthalate	84-66-2	<10U	<10U	NA	NA	<10U
4-Chlorophenyl-phenylether	7005-72-3	<10U	<10U	NA	NA	<10U
4-Nitroaniline	100-01-6	<50U	<50U	NA	NA	<50U
4,6-Dinitro,2-methylphenol	534-52-1	<50U	<50U	NA	NA	<50U
N-Nitrosodiphenylamine	86-30-6	<10U	<10U	NA	NA	<10U
4-Bromophenyl-phenylether	101-55-3	<10U	<10U	NA	NA	<10U
Hexachlorobenzene	118-74-1	<10U	<10U	NA	NA	<10U
Pentachlorophenol	87-86-5	<50U	<50U	NA	NA	<50U
Di-n-butyl phthalate	84-74-2	<10U	<10U	NA	NA	<10U
Butylbenzylphthalate	85-68-7	<10U	<10U	NA	NA	<10U
3,3'-Dichlorobenzidine	91-94-1	<20U	<20U	NA	NA	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	<10U	<10U	NA	NA	<10U
Di-n-octyl phthalate	117-84-0	<10U	<10U	NA	NA	<10U
Azobenzene	103-33-3	<50U	<50U	NA	NA	<50U
Naphthalene	91-20-3	<10U	<10U	<1.8U	<1.8U	<10U
Acenaphthylene	208-96-8	<10U	<10U	<2.3U	<2.3U	<10U
Acenaphthene	83-32-9	<10U	<10U	<1.8U	<1.8U	<10U
Fluorene	86-73-7	<10U	<10U	<0.21U	<0.21U	<10U
Phenanthrene	85-01-8	<10U	<10U	<0.64U	<0.64U	<10U
Anthracene	120-12-7	<10U	<10U	<0.66U	<0.66U	<10U
Fluoranthene	206-44-0	<10U	<10U	<0.21U	<0.50U	<10U
Pyrene	129-00-0	<10U	<10U	<0.50U	<0.27U	<10U
Benzo(a)anthracene	56-55-3	<10U	<10U	<0.10U	0.10	<10U
Chrysene	218-01-9	<10U	<10U	<0.15U	<0.15U	<10U
Benzo(b)fluoranthene	205-99-2	<10U	<10U	<0.030U	<0.20U	<10U
Benzo(k)fluoranthene	207-08-9	<10U	<10U	<0.060U	<0.020U	<10U
Benzo(a)pyrene	50-32-8	<10U	<10U	<0.030U	<0.20U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	<10U	<10U	<0.050U	0.200	<10U
Dibenzo(a,h)anthracene	53-70-3	<10U	<10U	<0.030U	0.080	<10U
Benzo(g,h,i)perylene	191-24-2	<10U	<10U	<0.080U	<0.080U	<10U
Sum of PAHs		0	0	0	0	0
Sum of Carcinogenic PAHs		0	0	0	0	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-19	MW-19	MW-23	MW-23	MW-23
Sample location:		MW-19	MW-19	MW-23	MW-23	MW-23
Sample no:		MW-19-11-93	MW-52-11-93	MW-23-11-93	MW-23-04-94	MW-23-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/04/93	11/04/93	11/04/93	04/05/94	08/02/94
Type:		Primary	Duplicate	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8310	EPA8310
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<10U	<10U	<10U	NA	NA
bis(2-Chloroethyl) ether	111-44-4	<10U	<10U	<10U	NA	NA
2-Chlorophenol	95-57-8	<10U	<10U	<10U	NA	NA
1,3-Dichlorobenzene	541-73-1	<10U	<10U	<10U	NA	NA
1,4-Dichlorobenzene	106-46-7	<10U	<10U	<10U	NA	NA
Benzyl alcohol	100-51-6	<10U	<10U	<10U	NA	NA
1,2-Dichlorobenzene	95-50-1	<10U	<10U	<10U	NA	NA
2-Methylphenol	95-48-7	<10U	<10U	<10U	NA	NA
Bis(2-chloroisopropyl)ether	39638-32-9	<10U	<10U	<10U	NA	NA
4-Methylphenol	106-44-5	<10U	<10U	<10U	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	<10U	<10U	<10U	NA	NA
Hexachloroethane	67-72-1	<10U	<10U	<10U	NA	NA
Nitrobenzene	98-95-3	<10U	<10U	<10U	NA	NA
Isophorone	78-59-1	<10U	<10U	<10U	NA	NA
2-Nitrophenol	88-75-5	<10U	<10U	<10U	NA	NA
2,4-Dimethylphenol	105-67-9	<50U	<50U	<50U	NA	NA
Benzoic acid	65-85-0	<10U	<10U	<10U	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	<10U	<10U	<10U	NA	NA
2,4-Dichlorophenol	120-83-2	<10U	<10U	<10U	NA	NA
1,2,4-Trichlorobenzene	120-82-1	<10U	<10U	<10U	NA	NA
4-Chloroaniline	106-47-8	<10U	<10U	<10U	NA	NA
Hexachlorobutadiene	87-68-3	<10U	<10U	<10U	NA	NA
4-Chloro-3-methylphenol	59-50-7	<10U	<10U	<10U	NA	NA
2-Methylnaphthalene	91-57-6	<10U	<10U	<10U	NA	NA
Hexachlorocyclopentadiene	77-47-4	<10U	<10U	<10U	NA	NA
2,4,6-Trichlorophenol	88-06-2	<10U	<10U	<10U	NA	NA
2,4,5-Trichlorophenol	95-95-4	<50U	<50U	<50U	NA	NA
2-Chloronaphthalene	91-58-7	<10U	<10U	<10U	NA	NA
2-Nitroaniline	88-74-4	<50U	<50U	<50U	NA	NA
Dimethyl phthalate	131-11-3	<10U	<10U	<10U	NA	NA
2,6-Dinitrotoluene	606-20-2	<50U	<50U	<50U	NA	NA
3-Nitroaniline	99-09-2	<50U	<50U	<50U	NA	NA
N-Nitrosodimethylamine	62-75-9	<10U	<10U	<10U	NA	NA
2,4-Dinitrophenol	51-28-5	<50U	<50U	<50U	NA	NA
4-Nitrophenol	100-02-7	<50U	<50U	<50U	NA	NA
Dibenzofuran	132-64-9	<10U	<10U	<10U	NA	NA
2,4-Dinitrotoluene	121-14-2	<10U	<10U	<10U	NA	NA
Diethylphthalate	84-66-2	<10U	<10U	<10U	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	<10U	<10U	<10U	NA	NA
4-Nitroaniline	100-01-6	<50U	<50U	<50U	NA	NA
4,6-Dinitro,2-methylphenol	534-52-1	<50U	<50U	<50U	NA	NA
N-Nitrosodiphenylamine	86-30-6	<10U	<10U	<10U	NA	NA
4-Bromophenyl-phenylether	101-55-3	<10U	<10U	<10U	NA	NA
Hexachlorobenzene	118-74-1	<10U	<10U	<10U	NA	NA
Pentachlorophenol	87-86-5	<50U	<50U	<50U	NA	NA
Di-n-butyl phthalate	84-74-2	<10U	<10U	<10U	NA	NA
Butylbenzylphthalate	85-68-7	<10U	<10U	<10U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	<20U	<20U	<20U	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<10U	<10U	<10U	NA	NA
Di-n-octyl phthalate	117-84-0	<10U	<10U	<10U	NA	NA
Azobenzene	103-33-3	<50U	<50U	<50U	NA	NA
Naphthalene	91-20-3	<10U	<10U	<10U	<1.8U	<1.8U
Acenaphthylene	208-96-8	<10U	<10U	<10U	<2.3U	<2.3U
Acenaphthene	83-32-9	<10U	<10U	<10U	<1.8U	<1.8U
Fluorene	86-73-7	<10U	<10U	<10U	<0.21U	<0.21U
Phenanthrene	85-01-8	<10U	<10U	<10U	<0.64U	<0.64U
Anthracene	120-12-7	<10U	<10U	<10U	<0.66U	<0.66U
Fluoranthene	206-44-0	<10U	<10U	<10U	<0.21U	<0.21U
Pyrene	129-00-0	<10U	<10U	<10U	<0.27U	<0.27U
Benzo(a)anthracene	56-55-3	<10U	<10U	<10U	<0.020U	<0.020U
Chrysene	218-01-9	<10U	<10U	<10U	<0.15U	<0.15U
Benzo(b)fluoranthene	205-99-2	<10U	<10U	<10U	<0.020U	<0.020U
Benzo(k)fluoranthene	207-08-9	<10U	<10U	<10U	<0.020U	<0.020U
Benzo(a)pyrene	50-32-8	<10U	<10U	<10U	<0.030U	<0.030U
Indeno(1,2,3-cd)pyrene	193-39-5	<10U	<10U	<10U	<0.050U	<0.050U
Dibenzo(a,h)anthracene	53-70-3	<10U	<10U	<10U	<0.030U	<0.030U
Benzo(g,h,i)perylene	191-24-2	<10U	<10U	<10U	<0.080U	<0.080U
Sum of PAHs		0	0	0	0	0
Sum of Carcinogenic PAHs		0	0	0	0	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-23	MW-28	MW-28	MW-28	MW-31
Sample location:		MW-23	MW-28	MW-28	MW-28	MW-31
Sample no:		MW-23B-08-94	MW-28-11-93	MW-28-04-94	MW-28-08-94	MW-31-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	11/03/93	04/05/94	08/02/94	11/04/93
Type:		Duplicate	Primary	Primary	Primary	Primary
Method:		EPA8310	EPA8270	EPA8270	EPA8310	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	NA	<50U	<20U	NA	<10U
bis(2-Chloroethyl) ether	111-44-4	NA	<50U	<20U	NA	<10U
2-Chlorophenol	95-57-8	NA	<50U	<20U	NA	<10U
1,3-Dichlorobenzene	541-73-1	NA	<50U	<20U	NA	<10U
1,4-Dichlorobenzene	106-46-7	NA	<50U	<20U	NA	<10U
Benzyl alcohol	100-51-6	NA	<50U	<20U	NA	<10U
1,2-Dichlorobenzene	95-50-1	NA	<50U	<20U	NA	<10U
2-Methylphenol	95-48-7	NA	<50U	<20U	NA	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	NA	<50U	<20U	NA	<10U
4-Methylphenol	106-44-5	NA	<50U	<20U	NA	<10U
N-Nitroso-di-n-propylamine	621-64-7	NA	<50U	<20U	NA	<10U
Hexachloroethane	67-72-1	NA	<50U	<20U	NA	<10U
Nitrobenzene	98-95-3	NA	<50U	<20U	NA	<10U
Isophorone	78-59-1	NA	<50U	<20U	NA	<10U
2-Nitrophenol	88-75-5	NA	<50U	<20U	NA	<10U
2,4-Dimethylphenol	105-67-9	NA	<250U	<100U	NA	<50U
Benzoic acid	65-85-0	NA	<50U	<20U	NA	<10U
Bis(2-chloroethoxy)methane	111-91-1	NA	<50U	<20U	NA	<10U
2,4-Dichlorophenol	120-83-2	NA	<50U	<20U	NA	<10U
1,2,4-Trichlorobenzene	120-82-1	NA	<50U	<20U	NA	<10U
4-Chloroaniline	106-47-8	NA	<50U	<20U	NA	<10U
Hexachlorobutadiene	87-68-3	NA	<50U	<20U	NA	<10U
4-Chloro-3-methylphenol	59-50-7	NA	<50U	<20U	NA	<10U
2-Methylnaphthalene	91-57-6	NA	<50U	<20U	NA	<10U
Hexachlorocyclopentadiene	77-47-4	NA	<50U	<20U	NA	<10U
2,4,6-Trichlorophenol	88-06-2	NA	<50U	<20U	NA	<10U
2,4,5-Trichlorophenol	95-95-4	NA	<250U	<100U	NA	<50U
2-Chloronaphthalene	91-58-7	NA	<50U	<20U	NA	<10U
2-Nitroaniline	88-74-4	NA	<250U	<100U	NA	<50U
Dimethyl phthalate	131-11-3	NA	<50U	<20U	NA	<10U
2,6-Dinitrotoluene	606-20-2	NA	<250U	<100U	NA	<50U
3-Nitroaniline	99-09-2	NA	<250U	<100U	NA	<50U
N-Nitrosodimethylamine	62-75-9	NA	<50U	<20U	NA	<10U
2,4-Dinitrophenol	51-28-5	NA	<250U	<100U	NA	<50U
4-Nitrophenol	100-02-7	NA	<250U	<100U	NA	<50U
Dibenzofuran	132-64-9	NA	<50U	<20U	NA	<10U
2,4-Dinitrotoluene	121-14-2	NA	<50U	<20U	NA	<10U
Diethylphthalate	84-66-2	NA	<50U	<20U	NA	<10U
4-Chlorophenyl-phenylether	7005-72-3	NA	<50U	<20U	NA	<10U
4-Nitroaniline	100-01-6	NA	<250U	<100U	NA	<50U
4,6-Dinitro,2-methylphenol	534-52-1	NA	<250U	<100U	NA	<50U
N-Nitrosodiphenylamine	86-30-6	NA	<50U	<20U	NA	<10U
4-Bromophenyl-phenylether	101-55-3	NA	<50U	<20U	NA	<10U
Hexachlorobenzene	118-74-1	NA	<50U	<20U	NA	<10U
Pentachlorophenol	87-86-5	NA	<250U	<100U	NA	<50U
Di-n-butyl phthalate	84-74-2	NA	<50U	<20U	NA	<10U
Butylbenzylphthalate	85-68-7	NA	<50U	<20U	NA	<10U
3,3'-Dichlorobenzidine	91-94-1	NA	<100U	<100U	NA	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	NA	<50U	<20U	NA	<10U
Di-n-octyl phthalate	117-84-0	NA	<50U	<20U	NA	<10U
Azobenzene	103-33-3	NA	<250U	<100U	NA	<50U
Naphthalene	91-20-3	<1.8U	<50U	<20U	<18U	<10U
Acenaphthylene	208-96-8	<2.3U	<50U	<20U	<23U	<10U
Acenaphthene	83-32-9	<1.8U	<50U	<20U	<18U	<10U
Fluorene	86-73-7	<0.21U	<50U	<20U	<2.1U	<10U
Phenanthrene	85-01-8	<0.64U	<50U	<20U	<6.4U	<10U
Anthracene	120-12-7	<0.66U	<50U	<20U	<6.6U	<10U
Fluoranthene	206-44-0	<0.21U	<50U	<20U	16	<10U
Pyrene	129-00-0	<0.27U	<50U	<20U	<2.7U	<10U
Benzo(a)anthracene	56-55-3	<0.020U	<50U	<20U	2.0	<10U
Chrysene	218-01-9	<0.15U	<50U	<20U	<1.5U	<10U
Benzo(b)fluoranthene	205-99-2	<0.020U	<50U	<20U	<0.20U	<10U
Benzo(k)fluoranthene	207-08-9	<0.020U	<50U	<20U	<0.20U	<10U
Benzo(a)pyrene	50-32-8	<0.030U	<50U	<20U	<0.30U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	<0.050U	<50U	<20U	<0.50U	<10U
Dibenzo(a,h)anthracene	53-70-3	<0.030U	<50U	<20U	<0.30U	<10U
Benzo(g,h,i)perylene	191-24-2	<0.080U	<50U	<20U	<0.80U	<10U
Sum of PAHs		0	0	0	18	0
Sum of Carcinogenic PAHs		0	0	0	2	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.					
	Sample location:	MW-31	MW-31	MW-35	MW-36	MW-36
	Sample no:	MW-101-11-93	MW-102-11-93	MW-35-11-93	MW-36-04-94	MW-360-04-94
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
	Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
	Sample Date:	11/04/93	11/04/93	11/04/93	04/05/94	04/05/94
	Type:	Duplicate	Duplicate	Primary	Primary	Duplicate
	Method:	EPA8270	EPA8270	EPA8270	EPA8310	EPA8310
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<10U	<10U	<10U	NA	NA
bis(2-Chloroethyl) ether	111-44-4	<10U	<10U	<10U	NA	NA
2-Chlorophenol	95-57-8	<10U	<10U	<10U	NA	NA
1,3-Dichlorobenzene	541-73-1	<10U	<10U	<10U	NA	NA
1,4-Dichlorobenzene	106-46-7	<10U	<10U	<10U	NA	NA
Benzyl alcohol	100-51-6	<10U	<10U	<10U	NA	NA
1,2-Dichlorobenzene	95-50-1	<10U	<10U	<10U	NA	NA
2-Methylphenol	95-48-7	<10U	<10U	<10U	NA	NA
Bis(2-chloroisopropyl)ether	39638-32-9	<10U	<10U	<10U	NA	NA
4-Methylphenol	106-44-5	<10U	<10U	<10U	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	<10U	<10U	<10U	NA	NA
Hexachloroethane	67-72-1	<10U	<10U	<10U	NA	NA
Nitrobenzene	98-95-3	<10U	<10U	<10U	NA	NA
Isophorone	78-59-1	<10U	<10U	<10U	NA	NA
2-Nitrophenol	88-75-5	<10U	<10U	<10U	NA	NA
2,4-Dimethylphenol	105-67-9	<50U	<50U	<50U	NA	NA
Benzoic acid	65-85-0	<10U	<10U	<10U	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	<10U	<10U	<10U	NA	NA
2,4-Dichlorophenol	120-83-2	<10U	<10U	<10U	NA	NA
1,2,4-Trichlorobenzene	120-82-1	<10U	<10U	<10U	NA	NA
4-Chloroaniline	106-47-8	<10U	<10U	<10U	NA	NA
Hexachlorobutadiene	87-68-3	<10U	<10U	<10U	NA	NA
4-Chloro-3-methylphenol	59-50-7	<10U	<10U	<10U	NA	NA
2-Methylnaphthalene	91-57-6	<10U	<10U	<10U	NA	NA
Hexachlorocyclopentadiene	77-47-4	<10U	<10U	<10U	NA	NA
2,4,6-Trichlorophenol	88-06-2	<10U	<10U	<10U	NA	NA
2,4,5-Trichlorophenol	95-95-4	<50U	<50U	<50U	NA	NA
2-Chloronaphthalene	91-58-7	<10U	<10U	<10U	NA	NA
2-Nitroaniline	88-74-4	<50U	<50U	<50U	NA	NA
Dimethyl phthalate	131-11-3	<10U	<10U	<10U	NA	NA
2,6-Dinitrotoluene	606-20-2	<50U	<50U	<50U	NA	NA
3-Nitroaniline	99-09-2	<50U	<50U	<50U	NA	NA
N-Nitrosodimethylamine	62-75-9	<10U	<10U	<10U	NA	NA
2,4-Dinitrophenol	51-28-5	<50U	<50U	<50U	NA	NA
4-Nitrophenol	100-02-7	<50U	<50U	<50U	NA	NA
Dibenzofuran	132-64-9	<10U	<10U	<10U	NA	NA
2,4-Dinitrotoluene	121-14-2	<10U	<10U	<10U	NA	NA
Diethylphthalate	84-66-2	<10U	<10U	<10U	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	<10U	<10U	<10U	NA	NA
4-Nitroaniline	100-01-6	<50U	<50U	<50U	NA	NA
4,6-Dinitro,2-methylphenol	534-52-1	<50U	<50U	<50U	NA	NA
N-Nitrosodiphenylamine	86-30-6	<10U	<10U	<10U	NA	NA
4-Bromophenyl-phenylether	101-55-3	<10U	<10U	<10U	NA	NA
Hexachlorobenzene	118-74-1	<10U	<10U	<10U	NA	NA
Pentachlorophenol	87-86-5	<50U	<50U	<50U	NA	NA
Di-n-butyl phthalate	84-74-2	<10U	<10U	<10U	NA	NA
Butylbenzylphthalate	85-68-7	<10U	<10U	<10U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	<20U	<20U	<20U	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<10U	<10U	<10U	NA	NA
Di-n-octyl phthalate	117-84-0	<10U	<10U	<10U	NA	NA
Azobenzene	103-33-3	<50U	<50U	<50U	NA	NA
Naphthalene	91-20-3	<10U	<10U	<10U	<1.8U	<1.8U
Acenaphthylene	208-96-8	<10U	<10U	<10U	<2.3U	<2.3U
Acenaphthene	83-32-9	<10U	<10U	<10U	<1.8U	<1.8U
Fluorene	86-73-7	<10U	<10U	<10U	1.6	1.7
Phenanthrene	85-01-8	<10U	<10U	<10U	<0.64U	<0.64U
Anthracene	120-12-7	<10U	<10U	<10U	3.3	2.0J
Fluoranthene	206-44-0	<10U	<10U	<10U	<2.5U	<2.9U
Pyrene	129-00-0	<10U	<10U	<10U	<0.90U	<1.0U
Benzo(a)anthracene	56-55-3	<10U	<10U	<10U	<0.40U	<0.40U
Chrysene	218-01-9	<10U	<10U	<10U	<0.30U	<0.40U
Benzo(b)fluoranthene	205-99-2	<10U	<10U	<10U	<0.040U	<0.080U
Benzo(k)fluoranthene	207-08-9	<10U	<10U	<10U	<0.040U	<0.060U
Benzo(a)pyrene	50-32-8	<10U	<10U	<10U	<0.030U	<0.030U
Indeno(1,2,3-cd)pyrene	193-39-5	<10U	<10U	<10U	<0.050U	<0.050U
Dibenzo(a,h)anthracene	53-70-3	<10U	<10U	<10U	<0.030U	<0.030U
Benzo(g,h,i)perylene	191-24-2	<10U	<10U	<10U	<0.080U	<0.080U
Sum of PAHs		0	0	0	5	4
Sum of Carcinogenic PAHs		0	0	0	0	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-36	MW-37	MW-37	MW-38	MW-40
Sample location:		MW-36	MW-37	MW-37	MW-38	MW-40
Sample no:		MW-36-08-94	MW-37-04-94	MW-37-08-94	MW-38-11-93	MW-40-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	04/05/94	08/02/94	11/04/93	11/04/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8310	EPA8310	EPA8310	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	NA	NA	NA	<10U	<10U
bis(2-Chloroethyl) ether	111-44-4	NA	NA	NA	<10U	<10U
2-Chlorophenol	95-57-8	NA	NA	NA	<10U	<10U
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	<10U	<10U
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	<10U	<10U
Benzyl alcohol	100-51-6	NA	NA	NA	<10U	<10U
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	<10U	<10U
2-Methylphenol	95-48-7	NA	NA	NA	<10U	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	NA	NA	NA	<10U	<10U
4-Methylphenol	106-44-5	NA	NA	NA	<10U	<10U
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	<10U	<10U
Hexachloroethane	67-72-1	NA	NA	NA	<10U	<10U
Nitrobenzene	98-95-3	NA	NA	NA	<10U	<10U
Isophorone	78-59-1	NA	NA	NA	<10U	<10U
2-Nitrophenol	88-75-5	NA	NA	NA	<10U	<10U
2,4-Dimethylphenol	105-67-9	NA	NA	NA	<50U	<50U
Benzoic acid	65-85-0	NA	NA	NA	<10U	<10U
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	<10U	<10U
2,4-Dichlorophenol	120-83-2	NA	NA	NA	<10U	<10U
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	<10U	<10U
4-Chloroaniline	106-47-8	NA	NA	NA	<10U	<10U
Hexachlorobutadiene	87-68-3	NA	NA	NA	<10U	<10U
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	<10U	<10U
2-Methylnaphthalene	91-57-6	NA	NA	NA	<10U	<10U
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	<10U	<10U
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	<10U	<10U
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	<50U	<50U
2-Chloronaphthalene	91-58-7	NA	NA	NA	<10U	<10U
2-Nitroaniline	88-74-4	NA	NA	NA	<50U	<50U
Dimethyl phthalate	131-11-3	NA	NA	NA	<10U	<10U
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	<50U	<50U
3-Nitroaniline	99-09-2	NA	NA	NA	<50U	<50U
N-Nitrosodimethylamine	62-75-9	NA	NA	NA	<10U	<10U
2,4-Dinitrophenol	51-28-5	NA	NA	NA	<50U	<50U
4-Nitrophenol	100-02-7	NA	NA	NA	<50U	<50U
Dibenzofuran	132-64-9	NA	NA	NA	<10U	<10U
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	<10U	<10U
Diethylphthalate	84-66-2	NA	NA	NA	<10U	<10U
4-Chlorophenyl-phenylether	7005-72-3	NA	NA	NA	<10U	<10U
4-Nitroaniline	100-01-6	NA	NA	NA	<50U	<50U
4,6-Dinitro,2-methylphenol	534-52-1	NA	NA	NA	<50U	<50U
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	<10U	<10U
4-Bromophenyl-phenylether	101-55-3	NA	NA	NA	<10U	<10U
Hexachlorobenzene	118-74-1	NA	NA	NA	<10U	<10U
Pentachlorophenol	87-86-5	NA	NA	NA	<50U	<50U
Di-n-butyl phthalate	84-74-2	NA	NA	NA	<10U	<10U
Butylbenzylphthalate	85-68-7	NA	NA	NA	<10U	<10U
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	<20U	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	NA	NA	NA	<10U	<10U
Di-n-octyl phthalate	117-84-0	NA	NA	NA	<10U	<10U
Azobenzene	103-33-3	NA	NA	NA	<50U	<50U
Naphthalene	91-20-3	<1.8U	<1.8U	<1.8U	<10U	<10U
Acenaphthylene	208-96-8	<2.3U	<2.3U	<2.3U	<10U	<10U
Acenaphthene	83-32-9	<1.8U	<1.8U	**1.3J**	<10U	<10U
Fluorene	86-73-7	**1.5**	**1.8**	**2.1**	<10U	<10U
Phenanthrene	85-01-8	<0.64U	<0.64U	**0.40J**	<10U	<10U
Anthracene	120-12-7	**1.5**	**1.0J**	**0.70**	<10U	<10U
Fluoranthene	206-44-0	**1.1**	<12U	**8.9**	<10U	<10U
Pyrene	129-00-0	**0.40**	<0.50U	<0.27U	<10U	<10U
Benzo(a)anthracene	56-55-3	**0.090**	<0.080U	**0.10**	<10U	<10U
Chrysene	218-01-9	**0.30**	<0.15U	<0.15U	<10U	<10U
Benzo(b)fluoranthene	205-99-2	**0.060**	<0.020U	<0.020U	<10U	<10U
Benzo(k)fluoranthene	207-08-9	**0.030**	<0.020U	<0.020U	<10U	<10U
Benzo(a)pyrene	50-32-8	<0.030U	<0.030U	<0.030U	<10U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	<0.050U	<0.050U	<0.050U	<10U	<10U
Dibenzo(a,h)anthracene	53-70-3	<0.030U	<0.030U	<0.030U	<10U	<10U
Benzo(g,h,i)perylene	191-24-2	<0.080U.	<0.080U	<0.080U	<10U	<10U
Sum of PAHs		**5**	**3**	**14**	**0**	**0**
Sum of Carcinogenic PAHs		**0**	**0**	**0**	**0**	**0**

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	DW-1	DW-2	DW-3	DW-4	DW-5
Sample location:		DW-1	DW-2	DW-3	DW-4	DW-5
Sample no:		DW-1-11-93	DW-2-11-93	DW-3-11-93	DW-4-11-93	DW-5-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/08/93	11/02/93	11/08/93	11/09/93	11/08/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<10U	<10U	<10U	<10U	<10U
bis(2-Chloroethyl) ether	111-44-4	<10U	<10U	<10U	<10U	<10U
2-Chlorophenol	95-57-8	<10U	<10U	<10U	<10U	<10U
1,3-Dichlorobenzene	541-73-1	<10U	<10U	<10U	<10U	<10U
1,4-Dichlorobenzene	106-46-7	<10U	<10U	<10U	<10U	<10U
Benzyl alcohol	100-51-6	<10U	<10U	<10U	<10U	<10U
1,2-Dichlorobenzene	95-50-1	<10U	<10U	<10U	<10U	<10U
2-Methylphenol	95-48-7	<10U	<10U	<10U	<10U	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	<10U	<10U	<10U	<10U	<10U
4-Methylphenol	106-44-5	<10U	<10U	<10U	<10U	<10U
N-Nitroso-di-n-propylamine	621-64-7	<10U	<10U	<10U	<10U	<10U
Hexachloroethane	67-72-1	<10U	<10U	<10U	<10U	<10U
Nitrobenzene	98-95-3	<10U	<10U	<10U	<10U	<10U
Isophorone	78-59-1	<10U	<10U	<10U	<10U	<10U
2-Nitrophenol	88-75-5	<10U	<10U	<10U	<10U	<10U
2,4-Dimethylphenol	105-67-9	<50U	<50U	<50U	<50U	<50U
Benzoic acid	65-85-0	<10U	<10U	<10U	<10U	<10U
Bis(2-chloroethoxy)methane	111-91-1	<10U	<10U	<10U	<10U	<10U
2,4-Dichlorophenol	120-83-2	<10U	<10U	<10U	<10U	<10U
1,2,4-Trichlorobenzene	120-82-1	<10U	<10U	<10U	<10U	<10U
4-Chloroaniline	106-47-8	<10U	<10U	<10U	<10U	<10U
Hexachlorobutadiene	87-68-3	<10U	<10U	<10U	<10U	<10U
4-Chloro-3-methylphenol	59-50-7	<10U	<10U	<10U	<10U	<10U
2-Methylnaphthalene	91-57-6	<10U	<10U	<10U	<10U	<10U
Hexachlorocyclopentadiene	77-47-4	<10U	<10U	<10U	<10U	<10U
2,4,6-Trichlorophenol	88-06-2	<10U	<10U	<10U	<10U	<10U
2,4,5-Trichlorophenol	95-95-4	<50U	<50U	<50U	<50U	<50U
2-Chloronaphthalene	91-58-7	<10U	<10U	<10U	<10U	<10U
2-Nitroaniline	88-74-4	<50U	<50U	<50U	<50U	<50U
Dimethyl phthalate	131-11-3	<10U	<10U	<10U	<10U	<10U
2,6-Dinitrotoluene	606-20-2	<50U	<50U	<50U	<50U	<50U
3-Nitroaniline	99-09-2	<50U	<50U	<50U	<50U	<50U
N-Nitrosodimethylamine	62-75-9	<10U	<10U	<10U	<10U	<10U
2,4-Dinitrophenol	51-28-5	<50U	<50U	<50U	<50U	<50U
4-Nitrophenol	100-02-7	<50U	<50U	<50U	<50U	<50U
Dibenzofuran	132-64-9	<10U	<10U	<10U	<10U	<10U
2,4-Dinitrotoluene	121-14-2	<10U	<10U	<10U	<10U	<10U
Diethylphthalate	84-66-2	<10U	<10U	<10U	<10U	<10U
4-Chlorophenyl-phenylether	7005-72-3	<10U	<10U	<10U	<10U	<10U
4-Nitroaniline	100-01-6	<50U	<50U	<50U	<50U	<50U
4,6-Dinitro,2-methylphenol	534-52-1	<50U	<50U	<50U	<50U	<50U
N-Nitrosodiphenylamine	86-30-6	<10U	<10U	<10U	<10U	<10U
4-Bromophenyl-phenylether	101-55-3	<10U	<10U	<10U	<10U	<10U
Hexachlorobenzene	118-74-1	<10U	<10U	<10U	<10U	<10U
Pentachlorophenol	87-86-5	<50U	<50U	<50U	<50U	<50U
Di-n-butyl phthalate	84-74-2	<10U	<10U	<10U	<10U	<10U
Butylbenzylphthalate	85-68-7	<10U	<10U	<10U	<10U	<10U
3,3'-Dichlorobenzidine	91-94-1	<20U	<20U	<20U	<20U	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	<10U	<10U	<10U	<10U	<10U
Di-n-octyl phthalate	117-84-0	<10U	<10U	<10U	<10U	<10U
Azobenzene	103-33-3	<50U	<50U	<50U	<50U	<50U
Naphthalene	91-20-3	<10U	<10U	<10U	<10U	<10U
Acenaphthylene	208-96-8	<10U	<10U	<10U	<10U	<10U
Acenaphthene	83-32-9	<10U	<10U	<10U	<10U	<10U
Fluorene	86-73-7	<10U	<10U	<10U	<10U	<10U
Phenanthrene	85-01-8	<10U	<10U	<10U	<10U	<10U
Anthracene	120-12-7	<10U	<10U	<10U	<10U	<10U
Fluoranthene	206-44-0	<10U	<10U	<10U	<10U	<10U
Pyrene	129-00-0	<10U	<10U	<10U	<10U	<10U
Benzo(a)anthracene	56-55-3	<10U	<10U	<10U	<10U	<10U
Chrysene	218-01-9	<10U	<10U	<10U	<10U	<10U
Benzo(b)fluoranthene	205-99-2	<10U	<10U	<10U	<10U	<10U
Benzo(k)fluoranthene	207-08-9	<10U	<10U	<10U	<10U	<10U
Benzo(a)pyrene	50-32-8	<10U	<10U	<10U	<10U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	<10U	<10U	<10U	<10U	<10U
Dibenzo(a,h)anthracene	53-70-3	<10U	<10U	<10U	<10U	<10U
Benzo(g,h,i)perylene	191-24-2	<10U	<10U	<10U	<10U	<10U
Sum of PAHs		0	0	0	0	0
Sum of Carcinogenic PAHs		0	0	0	0	0

Table 6-5
SVOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	FB-100	FB-101	FB-102	FB-200	
	Sample no:	MW-100-08-94	MW-101-04-94	MW-102-04-94	MW-200-11-93	
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	
	Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	
	Sample Date:	08/02/94	04/06/94	04/06/94	11/04/93	
	Type:	Field Blank	Field Blank	Field Blank	Field Blank	
	Method:	EPA8310	EPA8270	EPA8310	EPA8270	
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	NA	<5U	NA	<10U	
bis(2-Chloroethyl) ether	111-44-4	NA	<5U	NA	<10U	
2-Chlorophenol	95-57-8	NA	<5U	NA	<10U	
1,3-Dichlorobenzene	541-73-1	NA	<5U	NA	<10U	
1,4-Dichlorobenzene	106-46-7	NA	<5U	NA	<10U	
Benzyl alcohol	100-51-6	NA	<5U	NA	<10U	
1,2-Dichlorobenzene	95-50-1	NA	<5U	NA	<10U	
2-Methylphenol	95-48-7	NA	<5U	NA	<10U	
Bis(2-chloroisopropyl)ether	39638-32-9	NA	<5U	NA	<10U	
4-Methylphenol	106-44-5	NA	<5U	NA	<10U	
N-Nitroso-di-n-propylamine	621-64-7	NA	<5U	NA	<10U	
Hexachloroethane	67-72-1	NA	<5U	NA	<10U	
Nitrobenzene	98-95-3	NA	<5U	NA	<10U	
Isophorone	78-59-1	NA	<5U	NA	<10U	
2-Nitrophenol	88-75-5	NA	<5U	NA	<10U	
2,4-Dimethylphenol	105-67-9	NA	<25U	NA	<50U	
Benzoic acid	65-85-0	NA	<5U	NA	<10U	
Bis(2-chloroethoxy)methane	111-91-1	NA	<5U	NA	<10U	
2,4-Dichlorophenol	120-83-2	NA	<5U	NA	<10U	
1,2,4-Trichlorobenzene	120-82-1	NA	<5U	NA	<10U	
4-Chloroaniline	106-47-8	NA	<5U	NA	<10U	
Hexachlorobutadiene	87-68-3	NA	<5U	NA	<10U	
4-Chloro-3-methylphenol	59-50-7	NA	<5U	NA	<10U	
2-Methylnaphthalene	91-57-6	NA	<5U	NA	<10U	
Hexachlorocyclopentadiene	77-47-4	NA	<5U	NA	<10U	
2,4,6-Trichlorophenol	88-06-2	NA	<5U	NA	<10U	
2,4,5-Trichlorophenol	95-95-4	NA	<25U	NA	<50U	
2-Chloronaphthalene	91-58-7	NA	<5U	NA	<10U	
2-Nitroaniline	88-74-4	NA	<25U	NA	<50U	
Dimethyl phthalate	131-11-3	NA	<5U	NA	<10U	
2,6-Dinitrotoluene	606-20-2	NA	<25U	NA	<50U	
3-Nitroaniline	99-09-2	NA	<25U	NA	<50U	
N-Nitrosodimethylamine	62-75-9	NA	<5U	NA	<10U	
2,4-Dinitrophenol	51-28-5	NA	<25U	NA	<50U	
4-Nitrophenol	100-02-7	NA	<25U	NA	<50U	
Dibenzofuran	132-64-9	NA	<5U	NA	<10U	
2,4-Dinitrotoluene	121-14-2	NA	<5U	NA	<10U	
Diethylphthalate	84-66-2	NA	<5U	NA	<10U	
4-Chlorophenyl-phenylether	7005-72-3	NA	<5U	NA	<10U	
4-Nitroaniline	100-01-6	NA	<25U	NA	<50U	
4,6-Dinitro,2-methylphenol	534-52-1	NA	<25U	NA	<50U	
N-Nitrosodiphenylamine	86-30-6	NA	<5U	NA	<10U	
4-Bromophenyl-phenylether	101-55-3	NA	<5U	NA	<10U	
Hexachlorobenzene	118-74-1	NA	<5U	NA	<10U	
Pentachlorophenol	87-86-5	NA	<25U	NA	<50U	
Di-n-butyl phthalate	84-74-2	NA	<5U	NA	<10U	
Butylbenzylphthalate	85-68-7	NA	<5U	NA	<10U	
3,3'-Dichlorobenzidine	91-94-1	NA	<25U	NA	<20U	
Bis(2-ethylhexyl)phthalate	117-81-7	NA	<5U	NA	<10U	
Di-n-octyl phthalate	117-84-0	NA	<5U	NA	<10U	
Azobenzene	103-33-3	NA	<25U	NA	<50U	
Naphthalene	91-20-3	<1.8U	<5U	<1.8U	<10U	
Acenaphthylene	208-96-8	<2.3U	<5U	<2.3U	<10U	
Acenaphthene	83-32-9	<1.8U	<5U	<1.8U	<10U	
Fluorene	86-73-7	<0.21U	<5U	<0.21U	<10U	
Phenanthrene	85-01-8	<0.64U	<5U	<0.64U	<10U	
Anthracene	120-12-7	<0.66U	<5U	<0.66U	<10U	
Fluoranthene	206-44-0	<0.21U	<5U	<0.21U	<10U	
Pyrene	129-00-0	<0.27U	<5U	<0.27U	<10U	
Benzo(a)anthracene	56-55-3	<0.020U	<5U	<0.020U	<10U	
Chrysene	218-01-9	<0.15U	<5U	<0.15U	<10U	
Benzo(b)fluoranthene	205-99-2	<0.020U	<5U	<0.020U	<10U	
Benzo(k)fluoranthene	207-08-9	<0.020U	<5U	<0.020U	<10U	
Benzo(a)pyrene	50-32-8	<0.030U	<5U	<0.030U	<10U	
Indeno(1,2,3-cd)pyrene	193-39-5	<0.050U	<5U	<0.050U	<10U	
Dibenzo(a,h)anthracene	53-70-3	<0.030U	<5U	<0.030U	<10U	
Benzo(g,h,i)perylene	191-24-2	<0.080U	<5U	<0.080U	<10U	
Sum of PAHs		0	0	0	0	
Sum of Carcinogenic PAHs		0	0	0	0	

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	PQL	MW-3	MW-4	MW-4	MW-7
Sample location:		PQL	MW-3	MW-4	MW-4	MW-7
Sample no:		PQL-TVP	MW-3-11-93	MW-4-11-93	MW-53-11-93	MW-7-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		/ /	11/05/93	11/05/93	11/05/93	04/05/94
Type:		Primary	Primary	Primary	Duplicate	Primary
Method:		EPA8240	EPA8240	EPA8240	EPA8240	EPA8020
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	10	<10U	<10U	<10U	NA
Bromomethane	74-83-9	10	<10U	<10U	<10U	NA
Vinyl chloride	75-01-4	10	<10U	<10U	<10U	NA
Chloroethane	75-00-3	10	<10U	<10U	<10U	NA
Methylene chloride	75-09-2	5	4JB	4JB	2JB	NA
Acrolein	107-02-8	10	<10U	<10U	<10U	NA
Acrylonitrile	107-13-1	10	<10U	<10U	<10U	NA
Acetone	67-64-1	5	10	7	<5U	NA
Carbon disulfide	75-15-0	5	<5U	<5U	<5U	NA
1,1-Dichloroethene	75-35-4	5	<5U	<5U	<5U	NA
1,1-Dichloroethane	75-34-3	5	<5U	<5U	<5U	NA
1,2-Dichloroethene	540-59-0	5	<5U	<5U	<5U	NA
Chloroform	67-66-3	5	<5U	<5U	<5U	NA
1,2-Dichloroethane	107-06-2	5	<5U	<5U	<5U	NA
2-Butanone	78-93-3	10	<10U	<10U	<10U	NA
1,1,1-Trichloroethane	71-55-6	5	<5U	<5U	<5U	NA
Carbon tetrachloride	56-23-5	5	<5U	<5U	<5U	NA
Vinyl acetate	108-05-4	50	<10U	<10U	<10U	NA
Bromodichloromethane	75-27-4	5	<5U	<5U	<5U	NA
1,2-Dichloropropane	78-87-5	5	<5U	<5U	<5U	NA
cis-1,3-Dichloropropene	10061-01-5	5	<5U	<5U	<5U	NA
Trichloroethene	79-01-6	5	<5U	<5U	<5U	NA
Dibromochloromethane	124-48-1	5	<5U	<5U	<5U	NA
1,1,2-Trichloroethane	79-00-5	5	<5U	<5U	<5U	NA
trans-1,3-Dichloropropene	10061-02-6	5	<5U	<5U	<5U	NA
2-Chloroethylvinyl ether	110-75-8	5	<5U	<5U	<5U	NA
Bromoform	75-25-2	5	<5U	<5U	<5U	NA
4-Methyl-2-pentanone	108-10-1	10	<10U	<10U	<10U	NA
2-Hexanone	591-78-6	10	<10U	<10U	<10U	NA
Tetrachloroethene	127-18-4	5	<5U	<5U	<5U	NA
1,1,2,2-Tetrachloroethane	79-34-5	5	<5U	<5U	<5U	NA
Chlorobenzene	108-90-7	5	<5U	<5U	<5U	NA
Styrene	100-42-5	5	<5U	<5U	<5U	NA
Benzene	71-43-2	5	<5U	<5U	<5U	<0.50U
Toluene	108-88-3	5	<5U	<5U	<5U	<1.0U
Ethylbenzene	100-41-4	5	<5U	<5U	<5U	<1.0U
Total xylenes	1330-20-7	5	<5U	<5U	<5U	<1.0U

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-9	MW-10	MW-11	MW-11	MW-12
Sample location:		MW-9	MW-10	MW-11	MW-11	MW-12
Sample no:		MW-9-11-93	MW-10-04-94	MW-11-11-93	MW-11-04-94	MW-12-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/05/93	04/05/94	11/09/93	04/05/94	11/02/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8240	EPA8020	EPA8240	EPA8020	EPA8240
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	<10U	NA	<10U	NA	<10U
Bromomethane	74-83-9	<10U	NA	<10U	NA	<10U
Vinyl chloride	75-01-4	<10U	NA	<10U	NA	<10U
Chloroethane	75-00-3	<10U	NA	<10U	NA	<10U
Methylene chloride	75-09-2	**5B**	NA	**12B**	NA	**1JB**
Acrolein	107-02-8	<10U	NA	<10U	NA	<10U
Acrylonitrile	107-13-1	<10U	NA	<10U	NA	<10U
Acetone	67-64-1	**7**	NA	**8**	NA	**4JB**
Carbon disulfide	75-15-0	<5U	NA	<5U	NA	<5U
1,1-Dichloroethene	75-35-4	<5U	NA	**1J**	NA	<5U
1,1-Dichloroethane	75-34-3	<5U	NA	<5U	NA	<5U
1,2-Dichloroethene	540-59-0	<5U	NA	<5U	NA	<5U
Chloroform	67-66-3	<5U	NA	<5U	NA	<5U
1,2-Dichloroethane	107-06-2	<5U	NA	<5U	NA	<5U
2-Butanone	78-93-3	<10U	NA	<10U	NA	<10U
1,1,1-Trichloroethane	71-55-6	<5U	NA	<5U	NA	<5U
Carbon tetrachloride	56-23-5	<5U	NA	<5U	NA	<5U
Vinyl acetate	108-05-4	<10U	NA	<10U	NA	<10U
Bromodichloromethane	75-27-4	<5U	NA	<5U	NA	<5U
1,2-Dichloropropane	78-87-5	<5U	NA	<5U	NA	<5U
cis-1,3-Dichloropropene	10061-01-5	<5U	NA	<5U	NA	<5U
Trichloroethene	79-01-6	<5U	NA	<5U	NA	<5U
Dibromochloromethane	124-48-1	<5U	NA	<5U	NA	<5U
1,1,2-Trichloroethane	79-00-5	<5U	NA	<5U	NA	<5U
trans-1,3-Dichloropropene	10061-02-6	<5U	NA	<5U	NA	<5U
2-Chloroethylvinyl ether	110-75-8	<5U	NA	<5U	NA	<5U
Bromoform	75-25-2	<5U	NA	<5U	NA	<5U
4-Methyl-2-pentanone	108-10-1	<10U	NA	<10U	NA	<10U
2-Hexanone	591-78-6	<10U	NA	<10U	NA	<10U
Tetrachloroethene	127-18-4	<5U	NA	<5U	NA	<5U
1,1,2,2-Tetrachloroethane	79-34-5	<5U	NA	<5U	NA	<5U
Chlorobenzene	108-90-7	<5U	NA	<5U	NA	<5U
Styrene	100-42-5	<5U	NA	<5U	NA	<5U
Benzene	71-43-2	<5U	<0.50U	**1J**	**0.40J**	<5U
Toluene	108-88-3	<5U	<1.0U	**1J**	**1.0**	<5U
Ethylbenzene	100-41-4	<5U	<1.0U	**1J**	**5.0**	<5U
Total xylenes	1330-20-7	<5U	<1.0U	**1J**	**22**	<5U

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

RETEC

Analyte	CAS NO.	MW-12	MW-13	MW-14	MW-19	MW-19
Sample location:		MW-12	MW-13	MW-14	MW-19	MW-19
Sample no:		MW-51-11-93	MW-13-04-94	MW-14-11-93	MW-19-11-93	MW-52-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/02/93	04/05/94	11/08/93	11/04/93	11/04/93
Type:		Duplicate	Primary	Primary	Primary	Duplicate
Method:		EPA8240	EPA8020	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	<10U	NA	<10U	<10U	<10U
Bromomethane	74-83-9	<10U	NA	<10U	<10U	<10U
Vinyl chloride	75-01-4	<10U	NA	<10U	<10U	<10U
Chloroethane	75-00-3	<10U	NA	<10U	<10U	<10U
Methylene chloride	75-09-2	<5U	NA	2JB	6B	6B
Acrolein	107-02-8	<10U	NA	<10U	<10U	<10U
Acrylonitrile	107-13-1	<10U	NA	<10U	<10U	<10U
Acetone	67-64-1	<5U	NA	<5U	8B	<5U
Carbon disulfide	75-15-0	<5U	NA	<5U	<5U	<5U
1,1-Dichloroethene	75-35-4	<5U	NA	<5U	<5U	<5U
1,1-Dichloroethane	75-34-3	<5U	NA	<5U	<5U	<5U
1,2-Dichloroethene	540-59-0	<5U	NA	<5U	<5U	<5U
Chloroform	67-66-3	<5U	NA	<5U	<5U	<5U
1,2-Dichloroethane	107-06-2	<5U	NA	<5U	<5U	<5U
2-Butanone	78-93-3	<10U	NA	<10U	<10U	<10U
1,1,1-Trichloroethane	71-55-6	<5U	NA	<5U	<5U	<5U
Carbon tetrachloride	56-23-5	<5U	NA	<5U	<5U	<5U
Vinyl acetate	108-05-4	<10U	NA	<10U	<10U	<10U
Bromodichloromethane	75-27-4	<5U	NA	<5U	<5U	<5U
1,2-Dichloropropane	78-87-5	<5U	NA	<5U	<5U	<5U
cis-1,3-Dichloropropene	10061-01-5	<5U	NA	<5U	<5U	<5U
Trichloroethene	79-01-6	<5U	NA	<5U	<5U	<5U
Dibromochloromethane	124-48-1	<5U	NA	<5U	<5U	<5U
1,1,2-Trichloroethane	79-00-5	<5U	NA	<5U	<5U	<5U
trans-1,3-Dichloropropene	10061-02-6	<5U	NA	<5U	<5U	<5U
2-Chloroethylvinyl ether	110-75-8	<5U	NA	<5U	<5U	<5U
Bromoform	75-25-2	<5U	NA	<5U	<5U	<5U
4-Methyl-2-pentanone	108-10-1	<10U	NA	<10U	<10U	<10U
2-Hexanone	591-78-6	<10U	NA	<10U	<10U	<10U
Tetrachloroethene	127-18-4	<5U	NA	<5U	<5U	<5U
1,1,2,2-Tetrachloroethane	79-34-5	<5U	NA	<5U	<5U	<5U
Chlorobenzene	108-90-7	<5U	NA	<5U	<5U	<5U
Styrene	100-42-5	<5U	NA	<5U	<5U	<5U
Benzene	71-43-2	<5U	<0.50U	<5U	<5U	<5U
Toluene	108-88-3	<5U	<1.0U	<5U	<5U	<5U
Ethylbenzene	100-41-4	<5U	<1.0U	<5U	<5U	<5U
Total xylenes	1330-20-7	<5U	<1.0U	<5U	<5U	<5U

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-23	MW-23	MW-31	MW-34	MW-35
Sample location:		MW-23	MW-23	MW-31	MW-34	MW-35
Sample no:		MW-23-11-93	MW-23-04-94	MW-31-11-93	MW-34-11-93	MW-35-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/04/93	04/05/94	11/04/93	11/03/93	11/04/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8240	EPA8020	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	<10U	NA	<10U	<10U	<10U
Bromomethane	74-83-9	<10U	NA	<10U	<10U	<10U
Vinyl chloride	75-01-4	<10U	NA	<10U	<10U	<10U
Chloroethane	75-00-3	<10U	NA	<10U	<10U	<10U
Methylene chloride	75-09-2	**6B**	NA	**4JB**	**6B**	**7B**
Acrolein	107-02-8	<10U	NA	<10U	<10U	<10U
Acrylonitrile	107-13-1	<10U	NA	<10U	<10U	<10U
Acetone	67-64-1	<5U	NA	**6**	**10**	<5U
Carbon disulfide	75-15-0	<5U	NA	<5U	<5U	<5U
1,1-Dichloroethene	75-35-4	<5U	NA	<5U	<5U	<5U
1,1-Dichloroethane	75-34-3	<5U	NA	<5U	<5U	<5U
1,2-Dichloroethene	540-59-0	<5U	NA	<5U	<5U	<5U
Chloroform	67-66-3	<5U	NA	<5U	**6B**	<5U
1,2-Dichloroethane	107-06-2	<5U	NA	<5U	<5U	<5U
2-Butanone	78-93-3	<10U	NA	<10U	<10U	<10U
1,1,1-Trichloroethane	71-55-6	<5U	NA	<5U	<5U	<5U
Carbon tetrachloride	56-23-5	<5U	NA	<5U	<5U	<5U
Vinyl acetate	108-05-4	<10U	NA	<10U	<10U	<10U
Bromodichloromethane	75-27-4	<5U	NA	<5U	<5U	<5U
1,2-Dichloropropane	78-87-5	<5U	NA	<5U	<5U	<5U
cis-1,3-Dichloropropene	10061-01-5	<5U	NA	<5U	<5U	<5U
Trichloroethene	79-01-6	<5U	NA	<5U	<5U	<5U
Dibromochloromethane	124-48-1	<5U	NA	<5U	<5U	<5U
1,1,2-Trichloroethane	79-00-5	<5U	NA	<5U	<5U	<5U
trans-1,3-Dichloropropene	10061-02-6	<5U	NA	<5U	<5U	<5U
2-Chloroethylvinyl ether	110-75-8	<5U	NA	<5U	<5U	<5U
Bromoform	75-25-2	<5U	NA	<5U	<5U	<5U
4-Methyl-2-pentanone	108-10-1	<10U	NA	<10U	<10U	<10U
2-Hexanone	591-78-6	<10U	NA	<10U	<10U	<10U
Tetrachloroethene	127-18-4	<5U	NA	<5U	<5U	<5U
1,1,2,2-Tetrachloroethane	79-34-5	<5U	NA	<5U	<5U	<5U
Chlorobenzene	108-90-7	<5U	NA	<5U	<5U	<5U
Styrene	100-42-5	<5U	NA	<5U	<5U	<5U
Benzene	71-43-2	<5U	<0.50U	<5U	<5U	<5U
Toluene	108-88-3	<5U	<1.0U	<5U	<5U	<5U
Ethylbenzene	100-41-4	<5U	<1.0U	<5U	<5U	<5U
Total xylenes	1330-20-7	<5U	<1.0U	<5U	<5U	<5U

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-36	MW-36	MW-36	MW-37	MW-37
Sample location:		MW-36	MW-36	MW-36	MW-37	MW-37
Sample no:		MW-36-11-93	MW-36-04-94	MW-360-04-94	MW-37-11-93	MW-37-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/09/93	04/05/94	04/05/94	11/09/93	04/05/94
Type:		Primary	Primary	Duplicate	Primary	Primary
Method:		EPA8240	EPA8020	EPA8020	EPA8240	EPA8020
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	<10U	NA	NA	2J	NA
Bromomethane	74-83-9	<10U	NA	NA	<10U	NA
Vinyl chloride	75-01-4	<10U	NA	NA	<10U	NA
Chloroethane	75-00-3	<10U	NA	NA	<10U	NA
Methylene chloride	75-09-2	4JB	NA	NA	4JB	NA
Acrolein	107-02-8	<10U	NA	NA	<10U	NA
Acrylonitrile	107-13-1	<10U	NA	NA	<10U	NA
Acetone	67-64-1	<5U	NA	NA	9	NA
Carbon disulfide	75-15-0	<5U	NA	NA	<5U	NA
1,1-Dichloroethene	75-35-4	<5U	NA	NA	<5U	NA
1,1-Dichloroethane	75-34-3	<5U	NA	NA	<5U	NA
1,2-Dichloroethene	540-59-0	<5U	NA	NA	<5U	NA
Chloroform	67-66-3	<5U	NA	NA	<5U	NA
1,2-Dichloroethane	107-06-2	<5U	NA	NA	<5U	NA
2-Butanone	78-93-3	<10U	NA	NA	<10U	NA
1,1,1-Trichloroethane	71-55-6	<5U	NA	NA	<5U	NA
Carbon tetrachloride	56-23-5	<5U	NA	NA	<5U	NA
Vinyl acetate	108-05-4	<10U	NA	NA	<10U	NA
Bromodichloromethane	75-27-4	<5U	NA	NA	<5U	NA
1,2-Dichloropropane	78-87-5	<5U	NA	NA	<5U	NA
cis-1,3-Dichloropropene	10061-01-5	<5U	NA	NA	<5U	NA
Trichloroethene	79-01-6	<5U	NA	NA	<5U	NA
Dibromochloromethane	124-48-1	<5U	NA	NA	<5U	NA
1,1,2-Trichloroethane	79-00-5	<5U	NA	NA	<5U	NA
trans-1,3-Dichloropropene	10061-02-6	<5U	NA	NA	<5U	NA
2-Chloroethylvinyl ether	110-75-8	<5U	NA	NA	<5U	NA
Bromoform	75-25-2	<5U	NA	NA	<5U	NA
4-Methyl-2-pentanone	108-10-1	<10U	NA	NA	<10U	NA
2-Hexanone	591-78-6	<10U	NA	NA	<10U	NA
Tetrachloroethene	127-18-4	<5U	NA	NA	<5U	NA
1,1,2,2-Tetrachloroethane	79-34-5	<5U	NA	NA	<5U	NA
Chlorobenzene	108-90-7	<5U	NA	NA	<5U	NA
Styrene	100-42-5	<5U	NA	NA	<5U	NA
Benzene	71-43-2	<5U	<0.50U	0.30J	<5U	<0.50U
Toluene	108-88-3	<5U	1.0	0.50J	<5U	2.0
Ethylbenzene	100-41-4	<5U	<1.0U	<1.0U	<5U	<1.0U
Total xylenes	1330-20-7	<5U	5.0	4.0	<5U	5.0

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	FB-101	TB-1	TB-2	TB-3	TB-4
Sample location:		FB-101	TB-1	TB-2	TB-3	TB-4
Sample no:		MW-101-04-94	TB10/20/93-1	TB10/20/93-2	TB11/03/93	TB11/04/93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		04/05/94	10/20/93	10/20/93	11/03/93	11/04/93
Type:		Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Method:		EPA8020	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	NA	**1J**	<10U	<10U	<10U
Bromomethane	74-83-9	NA	<10U	<10U	<10U	<10U
Vinyl chloride	75-01-4	NA	<10U	<10U	<10U	<10U
Chloroethane	75-00-3	NA	<10U	<10U	<10U	<10U
Methylene chloride	75-09-2	NA	**7B**	**4JB**	**8B**	**9B**
Acrolein	107-02-8	NA	<10U	<10U	<10U	<10U
Acrylonitrile	107-13-1	NA	<10U	<10U	<10U	<10U
Acetone	67-64-1	NA	**8**	**8**	**8**	**20B**
Carbon disulfide	75-15-0	NA	<5U	<5U	<5U	<5U
1,1-Dichloroethene	75-35-4	NA	<5U	<5U	<5U	<5U
1,1-Dichloroethane	75-34-3	NA	<5U	<5U	<5U	<5U
1,2-Dichloroethene	540-59-0	NA	<5U	<5U	<5U	<5U
Chloroform	67-66-3	NA	<5U	<5U	<5U	<5U
1,2-Dichloroethane	107-06-2	NA	<5U	<5U	<5U	<5U
2-Butanone	78-93-3	NA	<10U	<10U	<10U	<10U
1,1,1-Trichloroethane	71-55-6	NA	<5U	<5U	<5U	<5U
Carbon tetrachloride	56-23-5	NA	<5U	<5U	<5U	<5U
Vinyl acetate	108-05-4	NA	<10U	<10U	<10U	<10U
Bromodichloromethane	75-27-4	NA	<5U	<5U	<5U	<5U
1,2-Dichloropropane	78-87-5	NA	<5U	<5U	<5U	<5U
cis-1,3-Dichloropropene	10061-01-5	NA	<5U	<5U	<5U	<5U
Trichloroethene	79-01-6	NA	<5U	<5U	<5U	<5U
Dibromochloromethane	124-48-1	NA	<5U	<5U	<5U	<5U
1,1,2-Trichloroethane	79-00-5	NA	<5U	<5U	<5U	<5U
trans-1,3-Dichloropropene	10061-02-6	NA	<5U	<5U	<5U	<5U
2-Chloroethylvinyl ether	110-75-8	NA	<5U	<5U	<5U	<5U
Bromoform	75-25-2	NA	<5U	<5U	<5U	<5U
4-Methyl-2-pentanone	108-10-1	NA	<10U	<10U	<10U	<10U
2-Hexanone	591-78-6	NA	<10U	<10U	<10U	<10U
Tetrachloroethene	127-18-4	NA	<5U	<5U	<5U	<5U
1,1,2,2-Tetrachloroethane	79-34-5	NA	<5U	<5U	<5U	<5U
Chlorobenzene	108-90-7	NA	<5U	<5U	<5U	<5U
Styrene	100-42-5	NA	<5U	<5U	<5U	<5U
Benzene	71-43-2	<0.50U	<5U	<5U	<5U	<5U
Toluene	108-88-3	<1.0U	<5U	<5U	<5U	<5U
Ethylbenzene	100-41-4	<1.0U	<5U	<5U	<5U	<5U
Total xylenes	1330-20-7	<1.0U	<5U	<5U	<5U	<5U

Table 6-6
VOC Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.					
	Sample location:	TB-5	TB-6			
	Sample no:	TB11/08/93	TB3/29/94			
	Depth(ft):	0.0-0.0	0.0-0.0			
	Matrix:	Groundwater	Groundwater			
	Sample Date:	11/08/93	03/29/94			
	Type:	Trip Blank	Trip Blank			
	Method:	EPA8240	EPA8020			
Volatile Organic Compounds(ug/L)						
Chloromethane	74-87-3	<10U	NA			
Bromomethane	74-83-9	<10U	NA			
Vinyl chloride	75-01-4	<10U	NA			
Chloroethane	75-00-3	<10U	NA			
Methylene chloride	75-09-2	**24B**	NA			
Acrolein	107-02-8	<10U	NA			
Acrylonitrile	107-13-1	<10U	NA			
Acetone	67-64-1	**20**	NA			
Carbon disulfide	75-15-0	<5U	NA			
1,1-Dichloroethene	75-35-4	<5U	NA			
1,1-Dichloroethane	75-34-3	<5U	NA			
1,2-Dichloroethene	540-59-0	<5U	NA			
Chloroform	67-66-3	<5U	NA			
1,2-Dichloroethane	107-06-2	<5U	NA			
2-Butanone	78-93-3	<10U	NA			
1,1,1-Trichloroethane	71-55-6	<5U	NA			
Carbon tetrachloride	56-23-5	<5U	NA			
Vinyl acetate	108-05-4	<10U	NA			
Bromodichloromethane	75-27-4	<5U	NA			
1,2-Dichloropropane	78-87-5	<5U	NA			
cis-1,3-Dichloropropene	10061-01-5	<5U	NA			
Trichloroethene	79-01-6	<5U	NA			
Dibromochloromethane	124-48-1	<5U	NA			
1,1,2-Trichloroethane	79-00-5	<5U	NA			
trans-1,3-Dichloropropene	10061-02-6	<5U	NA			
2-Chloroethylvinyl ether	110-75-8	<5U	NA			
Bromoform	75-25-2	<5U	NA			
4-Methyl-2-pentanone	108-10-1	<10U	NA			
2-Hexanone	591-78-6	<10U	NA			
Tetrachloroethene	127-18-4	<5U	NA			
1,1,2,2-Tetrachloroethane	79-34-5	<5U	NA			
Chlorobenzene	108-90-7	<5U	NA			
Styrene	100-42-5	<5U	NA			
Benzene	71-43-2	<5U	<0.50U			
Toluene	108-88-3	<5U	<1.0U			
Ethylbenzene	100-41-4	<5U	<1.0U			
Total xylenes	1330-20-7	<5U	<1.0U			

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL PQL-METAL 0.0-0.0 Groundwater / / Primary	MW-2 MW-2-11-93 0.0-0.0 Groundwater 11/03/93 Primary	MW-2 MW-2-04-94 0.0-0.0 Groundwater 04/06/94 Primary	MW-2 MW-2-08-94 0.0-0.0 Groundwater 08/03/94 Primary	MW-2 MW-2-11-94 0.0-0.0 Groundwater 11/09/94 Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	0.05	<0.01U	NA	NA	NA
Beryllium	7440-41-7	0.001	<0.005U	NA	NA	NA
Cadmium	7440-43-9	0.0005	0.0002	NA	NA	NA
Copper	7440-50-8	0.05	0.04	NA	NA	NA
Mercury	7439-97-6	0.0005	<0.0002U	NA	NA	NA
Nickel	7440-02-0	0.1	0.03	NA	NA	NA
Antimony	7440-36-0	0.005	0.002	NA	NA	NA
Selenium	7782-49-2	0.005	0.002	NA	NA	NA
Thallium	7440-28-0	0.010	<0.002U	NA	NA	NA
Zinc	7440-66-6	0.05	0.03	NA	NA	NA
Arsenic	7440-38-2	0.005	0.540	0.46	NA	NA
Chromium	7440-47-3	0.05	0.04	0.07	NA	NA
Lead	7439-92-1	0.005	0.018	0.028	NA	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	0.005	NA	0.002	0.001	0.003
Chromium (dissolved)	7440-47-3	0.05	NA	<0.01U	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	0.005	NA	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	10	NA	380	394	360

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-3	MW-4	MW-4	MW-5	MW-5
Sample location:		MW-3	MW-4	MW-4	MW-5	MW-5
Sample no:		MW-3-11-93	MW-4-11-93	MW-53-11-93	MW-5-04-94	MW-500-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/05/93	11/05/93	11/05/93	04/05/94	04/05/94
Type:		Primary	Primary	Duplicate	Primary	Duplicate
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	<0.05U	<0.01U	<0.01U	NA	NA
Beryllium	7440-41-7	<0.025U	<0.005U	<0.005U	NA	NA
Cadmium	7440-43-9	<0.0005U	<0.0001U	<0.0001U	NA	NA
Copper	7440-50-8	<0.05U	**0.04**	**0.04**	NA	NA
Mercury	7439-97-6	<0.0002U	<0.0002U	<0.0002U	NA	NA
Nickel	7440-02-0	<0.1U	**0.03**	**0.03**	NA	NA
Antimony	7440-36-0	<0.005U	**0.005**	**0.005**	NA	NA
Selenium	7782-49-2	<0.005U	<0.001U	<0.001U	NA	NA
Thallium	7440-28-0	<0.01U	<0.002U	<0.002U	NA	NA
Zinc	7440-66-6	<0.05U	**0.06**	**0.06**	NA	NA
Arsenic	7440-38-2	**0.070**	**0.030**	**0.029**	**0.019**	NA
Chromium	7440-47-3	<0.05U	<0.01U	<0.01U	**0.04**	NA
Lead	7439-92-1	<0.001U	**0.016**	**0.016**	**0.032**	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	NA	NA	NA	**0.003**	NA
Chromium (dissolved)	7440-47-3	NA	NA	NA	<0.01U	NA
Lead (dissolved)	7439-92-1	NA	NA	NA	<0.001U	NA
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	NA	NA	NA	**262**	**414**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-5	MW-5	MW-7	MW-9	MW-9
Sample location:		MW-5	MW-5	MW-7	MW-9	MW-9
Sample no:		MW-5-08-94	MW-5-11-94	MW-7-11-93	MW-9-04-94	MW-9-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	11/08/94	11/02/93	04/05/94	08/02/94
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.01U	NA	NA
Beryllium	7440-41-7	NA	NA	<0.005U	NA	NA
Cadmium	7440-43-9	NA	NA	<0.0001U	NA	NA
Copper	7440-50-8	NA	NA	<0.01U	NA	NA
Mercury	7439-97-6	NA	NA	<0.0002U	NA	NA
Nickel	7440-02-0	NA	NA	<0.02U	NA	NA
Antimony	7440-36-0	NA	NA	<0.001U	NA	NA
Selenium	7782-49-2	NA	NA	<0.001U	NA	NA
Thallium	7440-28-0	NA	NA	<0.002U	NA	NA
Zinc	7440-66-6	NA	NA	<0.01U	NA	NA
Arsenic	7440-38-2	NA	NA	**0.006**	**0.014**	NA
Chromium	7440-47-3	NA	NA	<0.01U	<0.010U	NA
Lead	7439-92-1	NA	NA	<0.001U	**0.001**	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	**0.005**	**0.009**	NA	**0.008**	**0.007**
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	NA	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**376**	**220**	NA	**202**	**514**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	MW-9	MW-10	MW-11	MW-12	MW-12
Sample location:		MW-9	MW-10	MW-11	MW-12	MW-12
Sample no:		MW-9-11-94	MW-10-11-93	MW-11-11-93	MW-12-11-93	MW-51-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/08/94	11/08/93	11/09/93	11/02/93	11/02/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	<0.01U	<0.01U	<0.01U	<0.01U
Beryllium	7440-41-7	NA	<0.005U	<0.005U	<0.005U	<0.005U
Cadmium	7440-43-9	NA	**0.0002**	<0.0001U	<0.0001U	<0.0001U
Copper	7440-50-8	NA	**0.02**	<0.01U	<0.01U	<0.01U
Mercury	7439-97-6	NA	<0.0002U	<0.0002U	<0.0002U	<0.0002U
Nickel	7440-02-0	NA	**0.02**	<0.02U	<0.02U	<0.02U
Antimony	7440-36-0	NA	**0.001**	<0.001U	<0.001U	<0.001U
Selenium	7782-49-2	NA	<0.001U	<0.001U	<0.001U	<0.001U
Thallium	7440-28-0	NA	<0.002U	<0.002U	<0.002U	<0.002U
Zinc	7440-66-6	NA	**0.02**	**0.05**	<0.01U	<0.01U
Arsenic	7440-38-2	NA	**0.031**	**0.009**	**0.004**	**0.003**
Chromium	7440-47-3	NA	**0.03**	<0.01U	<0.01U	<0.01U
Lead	7439-92-1	NA	**0.006**	**0.004**	**0.005**	**0.002**
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	**0.006**	NA	NA	NA	NA
Chromium (dissolved)	7440-47-3	<0.01U	NA	NA	NA	NA
Lead (dissolved)	7439-92-1	<0.001U	NA	NA	NA	NA
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**320**	NA	NA	NA	NA

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-14	MW-15	MW-16	MW-16	MW-16
Sample location:		MW-14	MW-15	MW-16	MW-16	MW-16
Sample no:		MW-14-11-93	MW-15-11-93	MW-16-04-94	MW-16-08-94	MW-16-11-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/08/93	11/08/93	04/06/94	08/03/94	11/08/94
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	<0.01U	<0.01U	NA	NA	NA
Beryllium	7440-41-7	<0.005U	<0.005U	NA	NA	NA
Cadmium	7440-43-9	<0.0001U	<0.0001U	NA	NA	NA
Copper	7440-50-8	<0.01U	<0.01U	NA	NA	NA
Mercury	7439-97-6	<0.0002U	<0.0002U	NA	NA	NA
Nickel	7440-02-0	<0.02U	<0.02U	NA	NA	NA
Antimony	7440-36-0	<0.001U	<0.001U	NA	NA	NA
Selenium	7782-49-2	<0.001U	<0.001U	NA	NA	NA
Thallium	7440-28-0	<0.002U	<0.002U	NA	NA	NA
Zinc	7440-66-6	<0.01U	<0.01U	NA	NA	NA
Arsenic	7440-38-2	**0.002**	**0.005**	**0.12**	NA	NA
Chromium	7440-47-3	<0.01U	<0.01U	**0.13**	NA	NA
Lead	7439-92-1	**0.002**	**0.001**	**0.034**	NA	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	NA	NA	<0.001U	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	NA	NA	<0.01U	<0.01U	**0.01B**
Lead (dissolved)	7439-92-1	NA	NA	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	NA	NA	**984**	**1078**	**1100**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	Sample location: MW-19 Sample no: MW-19-11-93 Depth(ft): 0.0-0.0 Matrix: Groundwater Sample Date: 11/04/93 Type: Primary	Sample location: MW-19 Sample no: MW-52-11-93 Depth(ft): 0.0-0.0 Matrix: Groundwater Sample Date: 11/04/93 Type: Duplicate	Sample location: MW-23 Sample no: MW-23-11-93 Depth(ft): 0.0-0.0 Matrix: Groundwater Sample Date: 11/04/93 Type: Primary	Sample location: MW-23 Sample no: MW-23-04-94 Depth(ft): 0.0-0.0 Matrix: Groundwater Sample Date: 04/05/94 Type: Primary	Sample location: MW-23 Sample no: MW-23-08-94 Depth(ft): 0.0-0.0 Matrix: Groundwater Sample Date: 08/02/94 Type: Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	<0.01U	<0.01U	<0.1U	NA	NA
Beryllium	7440-41-7	<0.005U	<0.005U	<0.05U	NA	NA
Cadmium	7440-43-9	<0.0001U	<0.0001U	<0.001U	NA	NA
Copper	7440-50-8	**0.02**	**0.02**	<0.10U	NA	NA
Mercury	7439-97-6	<0.0002U	<0.0002U	**0.0002**	NA	NA
Nickel	7440-02-0	<0.02U	<0.02U	<0.2U	NA	NA
Antimony	7440-36-0	<0.001U	<0.001U	<0.01U	NA	NA
Selenium	7782-49-2	<0.001U	<0.001U	<0.01U	NA	NA
Thallium	7440-28-0	<0.002U	<0.002U	<0.02U	NA	NA
Zinc	7440-66-6	**0.02**	**0.02**	<0.1U	NA	NA
Arsenic	7440-38-2	**0.008**	**0.007**	**0.020**	**0.014**	NA
Chromium	7440-47-3	**0.02**	**0.02**	<0.10U	**0.05**	NA
Lead	7439-92-1	**0.006**	**0.006**	**0.02**	**0.013**	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	NA	NA	NA	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	NA	NA	NA	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	NA	NA	NA	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	NA	NA	NA	**370**	**1566**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-23	MW-23	MW-28	MW-31	MW-31
Sample location:		MW-23	MW-23	MW-28	MW-31	MW-31
Sample no:		MW-23B-08-94	MW-23-11-94	MW-28-11-93	MW-31-11-93	MW-31-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	11/08/94	11/03/93	11/04/93	04/06/94
Type:		Duplicate	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.2U	<0.1U	NA
Beryllium	7440-41-7	NA	NA	<0.1U	<0.05U	NA
Cadmium	7440-43-9	NA	NA	<0.002U	<0.001U	NA
Copper	7440-50-8	NA	NA	**0.30**	**0.10**	NA
Mercury	7439-97-6	NA	NA	**0.0002**	**0.0005**	NA
Nickel	7440-02-0	NA	NA	<0.4U	<0.2U	NA
Antimony	7440-36-0	NA	NA	**0.02**	<0.01U	NA
Selenium	7782-49-2	NA	NA	<0.02U	<0.01U	NA
Thallium	7440-28-0	NA	NA	<0.04U	<0.02U	NA
Zinc	7440-66-6	NA	NA	<0.2U	**0.24**	NA
Arsenic	7440-38-2	NA	NA	**0.040**	**0.090**	**0.051**
Chromium	7440-47-3	NA	NA	<0.2U	**0.30**	**0.10**
Lead	7439-92-1	NA	NA	<0.02U	**0.07**	**0.037**
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	NA	NA	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA	NA	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	NA	NA	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**1246**	**1600**	NA	NA	**2024**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-31	MW-31	MW-35	MW-35	MW-35
Sample location:		MW-31	MW-31	MW-35	MW-35	MW-35
Sample no:		MW-31-08-94	MW-31-11-94	MW-35-11-93	MW-35-04-94	MW-35-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/03/94	11/09/94	11/03/93	04/06/94	08/03/94
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.01U	NA	NA
Beryllium	7440-41-7	NA	NA	<0.005U	NA	NA
Cadmium	7440-43-9	NA	NA	**0.0003**	NA	NA
Copper	7440-50-8	NA	NA	**0.06**	NA	NA
Mercury	7439-97-6	NA	NA	<0.0002U	NA	NA
Nickel	7440-02-0	NA	NA	**0.08**	NA	NA
Antimony	7440-36-0	NA	NA	**0.001**	NA	NA
Selenium	7782-49-2	NA	NA	<0.001U	NA	NA
Thallium	7440-28-0	NA	NA	<0.002U	NA	NA
Zinc	7440-66-6	NA	NA	**0.11**	NA	NA
Arsenic	7440-38-2	NA	NA	**0.017**	**0.043**	NA
Chromium	7440-47-3	NA	NA	**0.10**	**0.11**	NA
Lead	7439-92-1	NA	NA	**0.011**	**0.017**	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	NA	**0.004**	**0.005**
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	NA	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**2504**	**2000**	NA	**2186**	**2308**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-35	MW-36	MW-36	MW-36	MW-37
Sample location:		MW-35	MW-36	MW-36	MW-36	MW-37
Sample no:		MW-35-11-94	MW-36-04-94	MW-360-04-94	MW-36-08-94	MW-37-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/08/94	04/05/94	04/05/94	08/02/94	04/05/94
Type:		Primary	Primary	Duplicate	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	NA	NA	NA
Beryllium	7440-41-7	NA	NA	NA	NA	NA
Cadmium	7440-43-9	NA	NA	NA	NA	NA
Copper	7440-50-8	NA	NA	NA	NA	NA
Mercury	7439-97-6	NA	NA	NA	NA	NA
Nickel	7440-02-0	NA	NA	NA	NA	NA
Antimony	7440-36-0	NA	NA	NA	NA	NA
Selenium	7782-49-2	NA	NA	NA	NA	NA
Thallium	7440-28-0	NA	NA	NA	NA	NA
Zinc	7440-66-6	NA	NA	NA	NA	NA
Arsenic	7440-38-2	NA	**0.015**	**0.015**	NA	**0.001**
Chromium	7440-47-3	NA	**0.02**	<0.01U	NA	<0.01U
Lead	7439-92-1	NA	**0.003**	**0.002**	NA	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	**0.006**	**0.005**	**0.011**	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	**0.002**	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**550**	**192**	NA	**914**	<2U

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-37	MW-37	MW-37	MW-38	MW-38
Sample location:		MW-37	MW-37	MW-37	MW-38	MW-38
Sample no:		MW-37-08-94	MW-37-11-94	MW-370-11-94	MW-38-04-94	MW-380-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	11/08/94	11/08/94	04/06/94	04/06/94
Type:		Primary	Primary	Duplicate	Primary	Duplicate
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	NA	NA	NA
Beryllium	7440-41-7	NA	NA	NA	NA	NA
Cadmium	7440-43-9	NA	NA	NA	NA	NA
Copper	7440-50-8	NA	NA	NA	NA	NA
Mercury	7439-97-6	NA	NA	NA	NA	NA
Nickel	7440-02-0	NA	NA	NA	NA	NA
Antimony	7440-36-0	NA	NA	NA	NA	NA
Selenium	7782-49-2	NA	NA	NA	NA	NA
Thallium	7440-28-0	NA	NA	NA	NA	NA
Zinc	7440-66-6	NA	NA	NA	NA	NA
Arsenic	7440-38-2	NA	NA	NA	<0.001U	<0.001U
Chromium	7440-47-3	NA	NA	NA	<0.01U	<0.01U
Lead	7439-92-1	NA	NA	NA	<0.001U	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	**0.002**	**0.002**	**0.001**	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**28**	**8**	<5U	**34**	**32**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-38	MW-38	MW-40	MW-40	MW-40
Sample location:		MW-38	MW-38	MW-40	MW-40	MW-40
Sample no:		MW-38-08-94	MW-38-11-94	MW-40-04-94	MW-40-08-94	MW-40B-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/03/94	11/08/94	04/07/94	08/04/94	08/04/94
Type:		Primary	Primary	Primary	Primary	Duplicate
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	NA	NA	NA
Beryllium	7440-41-7	NA	NA	NA	NA	NA
Cadmium	7440-43-9	NA	NA	NA	NA	NA
Copper	7440-50-8	NA	NA	NA	NA	NA
Mercury	7439-97-6	NA	NA	NA	NA	NA
Nickel	7440-02-0	NA	NA	NA	NA	NA
Antimony	7440-36-0	NA	NA	NA	NA	NA
Selenium	7782-49-2	NA	NA	NA	NA	NA
Thallium	7440-28-0	NA	NA	NA	NA	NA
Zinc	7440-66-6	NA	NA	NA	NA	NA
Arsenic	7440-38-2	NA	NA	**0.045**	NA	NA
Chromium	7440-47-3	NA	NA	**0.18**	NA	NA
Lead	7439-92-1	NA	NA	**0.15**	NA	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**1432**	**210**	**1452**	**4910**	**2893**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	MW-40	MW-40	DW-2	DW-2	DW-2
Sample location:		MW-40	MW-40	DW-2	DW-2	DW-2
Sample no:		MW-40-11-94	MW-400-11-94	DW-2-11-93	DW-2-04-94	DW-2-08-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/08/94	11/08/94	11/02/93	04/07/94	08/04/94
Type:		Primary	Duplicate	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.05U	NA	NA
Beryllium	7440-41-7	NA	NA	<0.02U	NA	NA
Cadmium	7440-43-9	NA	NA	<0.0012U	NA	NA
Copper	7440-50-8	NA	NA	**0.32**	NA	NA
Mercury	7439-97-6	NA	NA	**0.0007**	NA	NA
Nickel	7440-02-0	NA	NA	**0.37**	NA	NA
Antimony	7440-36-0	NA	NA	<0.005U	NA	NA
Selenium	7782-49-2	NA	NA	<0.005U	NA	NA
Thallium	7440-28-0	NA	NA	<0.01U	NA	NA
Zinc	7440-66-6	NA	NA	**0.52**	NA	NA
Arsenic	7440-38-2	NA	NA	**0.071**	**0.028**	NA
Chromium	7440-47-3	NA	NA	**0.40**	**0.18**	NA
Lead	7439-92-1	NA	NA	**0.059**	**0.022**	NA
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	**0.002B**	**0.002B**	NA	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	**0.003B**	**0.003B**	NA	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	**1100**	NA	NA	**1768**	**2190**

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	DW-2	DW-3	DW-3	DW-3	DW-4
Sample location:		DW-2	DW-3	DW-3	DW-3	DW-4
Sample no:		DW-2-11-94	DW-3-04-94	DW-3-08-94	DW-3-11-94	DW-4-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		11/09/94	04/07/94	08/04/94	11/09/94	11/09/93
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	NA	NA	<0.01U
Beryllium	7440-41-7	NA	NA	NA	NA	<0.005U
Cadmium	7440-43-9	NA	NA	NA	NA	<0.0001U
Copper	7440-50-8	NA	NA	NA	NA	<0.01U
Mercury	7439-97-6	NA	NA	NA	NA	<0.0002U
Nickel	7440-02-0	NA	NA	NA	NA	<0.02U
Antimony	7440-36-0	NA	NA	NA	NA	<0.001U
Selenium	7782-49-2	NA	NA	NA	NA	<0.001U
Thallium	7440-28-0	NA	NA	NA	NA	<0.002U
Zinc	7440-66-6	NA	NA	NA	NA	<0.01U
Arsenic	7440-38-2	NA	0.003	NA	NA	<0.001U
Chromium	7440-47-3	NA	0.02	NA	NA	<0.01U
Lead	7439-92-1	NA	0.002	NA	NA	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	<0.001U	<0.001U	NA
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	NA
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	NA
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	1400	152	346	130	NA

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	FB-100	FB-101	FB-101	FB-101	FB-102
Sample location:		FB-100	FB-101	FB-101	FB-101	FB-102
Sample no:		MW-100-08-94	MW-101-04-94	MW-101-08-94	MW-101-11-94	MW-102-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date:		08/02/94	04/05/94	08/03/94	11/08/94	04/06/94
Type:		Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	NA	NA	NA
Beryllium	7440-41-7	NA	NA	NA	NA	NA
Cadmium	7440-43-9	NA	NA	NA	NA	NA
Copper	7440-50-8	NA	NA	NA	NA	NA
Mercury	7439-97-6	NA	NA	NA	NA	NA
Nickel	7440-02-0	NA	NA	NA	NA	NA
Antimony	7440-36-0	NA	NA	NA	NA	NA
Selenium	7782-49-2	NA	NA	NA	NA	NA
Thallium	7440-28-0	NA	NA	NA	NA	NA
Zinc	7440-66-6	NA	NA	NA	NA	NA
Arsenic	7440-38-2	NA	<0.001U	NA	NA	**0.001**
Chromium	7440-47-3	NA	<0.01U	NA	NA	<0.01U
Lead	7439-92-1	NA	<0.001U	NA	NA	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	<2U	<2U	<2U	<5U	<2U

Table 6-7
Metals and TSS Analytical Results - Groundwater
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	FB-102	FB-103	FB-200		
Sample location:		FB-102	FB-103	FB-200		
Sample no:		MW-102-08-94	MW-103-11-94	MW-200-11-93		
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0		
Matrix:		Groundwater	Groundwater	Groundwater		
Sample Date:		08/04/94	11/09/94	11/04/93		
Type:		Field Blank	Field Blank	Field Blank		
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.01U		
Beryllium	7440-41-7	NA	NA	<0.005U		
Cadmium	7440-43-9	NA	NA	<0.0001U		
Copper	7440-50-8	NA	NA	<0.01U		
Mercury	7439-97-6	NA	NA	<0.0002U		
Nickel	7440-02-0	NA	NA	<0.02U		
Antimony	7440-36-0	NA	NA	<0.001U		
Selenium	7782-49-2	NA	NA	<0.001U		
Thallium	7440-28-0	NA	NA	<0.002U		
Zinc	7440-66-6	NA	NA	<0.01U		
Arsenic	7440-38-2	NA	NA	<0.001U		
Chromium	7440-47-3	NA	NA	<0.01U		
Lead	7439-92-1	NA	NA	<0.001U		
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	NA		
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA		
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	NA		
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	10	<5U	NA		

TABLE 6-8
PCB ANALYTICAL RESULTS - GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REIEC

Sample ID:	Date:	PQL (µg/L)	PCBs (EPA Method 8080) Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)
First Quarter									
MW-4	11/5/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-53	11/5/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
(MW-4 Dup)									
MW-7	11/2/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-12	11/2/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-51	11/2/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
(MW-12 Dup)									
MW-14	11/8/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-16	11/8/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-19	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-52	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
(MW-19 Dup)									
MW-31	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-101	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
(Dup. of MW-31)									
MW-102	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
(MW-31 Dup)									
MW-32	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
MW-40	11/9/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
DW-2	11/2/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
DW-3	11/8/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
Field Blank									
MW-200	11/4/93	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00 U
Second Quarter									
MW-9	4/5/94	0.5	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U
MW-90	4/5/94	0.5	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U
(MW-9 Dup)									
MW-19	4/5/94	0.5	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U
MW-32	4/5/94	0.5	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U
Field Blank									
MW-101	4/5/94	0.5	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U
Third Quarter									
MW-9	8/2/94	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00
MW-19	8/2/94	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00
MW-19B	8/2/94	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00
(Dup of MW-19)									
Field Blank									
MW-100	8/2/94	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.00 U	< 1.00

TABLE 6-9
GROUND AND SURFACE WATER GENERAL CHEMISTRY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well ID	Sampling Event	pH (S.U.)	Conductivity (µmos/cm)	Temperature (°C)	D.O. (mg/L)
MW-1	November 1993	5.57	83	9.7	5.2
	April 1994	6.1	53	6.1	NR
	August 1994	NR	332	7.6	NR
	November 1994	6.97	50	9.6	NR
MW-2	November 1993	5.85	51	10	2.5
	April 1994	5.77	62	5.5	NR
	August 1994	NR	293	9.2	NR
	November 1994	5.99	84	10.2	NR
MW-3	November 1993	6.52	98	13	1.6
	August 1994	NR	322	10.1	NR
	November 1994	5.93	51	11.8	NR
MW-4	November 1993	6.87	98	11	2.6
	April 1994	5.96	42	5.2	NR
	August 1994	NR	307	6.2	NR
	November 1994	6.62	30	8.1	NR
MW-5	November 1993	7.07	101	10.6	1.4
	April 1994	6.21	40	5.2	NR
	August 1994	NR	337	10.9	NR
	November 1994	6.84	46	9.6	NR
MW-7	April 1994	6.4	48	6.8	NR
MW-9	November 1993	6.8	108	9.6	1.4
	April 1994	6.29	73	8.3	NR
	August 1994	NR	362	9.1	NR
	November 1994	6.36	113	9	NR
MW-10	November 1993	6.37	64	10.4	3
	April 1994	6.16	53	7.1	NR
MW-11	November 1993	5.91	110	10.4	1.4
	April 1994	6.22	102	7.6	NR
	August 1994	NR	352	10.2	NR
	November 1994	5.91	114	10.6	NR
MW-12	April 1994	6.1	43	6.4	NR
	August 1994	NR	355	10.2	NR
	November 1994	6.65	17	5.3	NR
MW-13	November 1993	6.08	66	9.9	3.9
	April 1994	6.25	42	7.6	NR
	August 1994	NR	289	7	NR
	November 1994	6.85	19	6.3	NR
MW-14	November 1993	5.69	65	10.9	3
	April 1994	6	49	6.3	NR
	November 1994	6.84	19	6.3	NR

TABLE 6-9 (Continued)
GROUND AND SURFACE WATER GENERAL CHEMISTRY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well ID	Sampling Event	pH (S.U.)	Conductivity (µmos/cm)	Temperature (°C)	D.O. (mg/L)
MW-15	November 1993	6.27	56	10.1	4
MW-16	November 1993	6.77	120	11.7	4.6
	April 1994	5.77	62	5.8	NR
	August 1994	NR	311	9.7	NR
	November 1994	6.09	58	11.1	NR
MW-18	November 1993	5.96	70	9.8	2.7
MW-19	November 1993	6.02	59	10.4	3.4
	April 1994	5.63	48	6.5	NR
	August 1994	NR	331	10.7	NR
	November 1994	6.51	32	10.1	NR
MW-23	November 1993	6.15	86	10.1	2.9
	April 1994	6.3	78	7.6	NR
	August 1994	NR	367	10.6	NR
	November 1994	6.55	68	10.4	NR
MW-24	November 1993	6.19	168	10.5	2.3
MW-26	November 1994	6.68	92	11	NR
MW-28	November 1993	6.6	205	10.1	6.4
	April 1994	6.08	133	6.9	NR
	August 1994	NR	490	11	NR
MW-29	November 1993	6.55	42	8.3	6
MW-30	November 1993	6.37	62	10.1	3.6
MW-31	November 1993	6.22	63	10.9	4.6
	April 1994	6.14	62	5.8	NR
	August 1994	NR	331	9.8	NR
	November 1994	6.57	58	11.3	NR
MW-32	November 1993	6.12	126	10.5	2.8
	April 1994	5.62	80	5.7	NR
MW-33	November 1993	6.94	72	8.8	5.5
MW-34	November 1993	6.38	59	10	2.1
	April 1994	5.89	72	7.2	NR
	August 1994	NR	335	5.1	NR
	November 1994	5.63	41	10.4	NR
MW-35	November 1993	6.37	79	11.9	1.4
	April 1994	6.08	109	7.5	NR
	August 1994	NR	340	12	NR
	November 1994	5.92	82	12.2	NR
MW-36	November 1993	6.22	222	12.7	1.3
	April 1994	6.28	138	7.7	NR
	August 1994	NR	550	13.5	NR

TABLE 6-9 (Continued)
GROUND AND SURFACE WATER GENERAL CHEMISTRY
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Well ID	Sampling Event	pH (S.U.)	Conductivity (µmos/cm)	Temperature (°C)	D.O. (mg/L)
MW-37	November 1993	6.11	120	10	1.5
	April 1994	6.17	50	6.4	NR
	August 1994	NR	324	10.3	NR
	November 1994	6.41	49	10.1	NR
MW-38	November 1993	7.05	63	7.3	4.6
	April 1994	6.4	74	7.7	NR
	August 1994	NR	319	9	NR
	November 1994	6.23	50	7.7	NR
MW-40	November 1993	6.15	60	10.5	5.1
	April 1994	6.03	62	5.6	NR
	August 1994	6.43	263	8.7	NR
	November 1994	6.72	22	7.4	NR
DW-1	November 1993	6.44	80	7.2	8.5
	April 1994	6.38	82	7.2	NR
	August 1994	6.82	287	8	NR
DW-2	April 1994	6.88	78	6.9	NR
	August 1994	6.85	272	6.5	NR
	November 1994	6.94	49	7.7	NR
DW-3	November 1993	NR	80	10.5	8.2
	April 1994	7.02	63	8.3	NR
	August 1994	7.56	322	7.6	NR
	November 1994	6.94	51	6.7	NR
DW-4	November 1993	NR	120	7.7	5.8
	April 1994	6.44	372	7.5	NR
	August 1994	6.38	296	7.3	NR
DW-5	November 1993	NR	81	8.3	8.1
	April 1994	6.57	96	7.2	NR
	August 1994	6.56	320	8	NR
SW-1	November 1993	9.65	25	5.3	9.9
SW-2	November 1993	9.33	40	5.8	9.5
SW-3	November 1993	8.23	50	5.4	9.1
	April 1994	7.2	42	5.6	NR
	August 1994	NR	332	16.3	NR
SW-4	November 1993	11.2	50	7.2	9.3
SW-5	November 1993	10.44	32	6.6	9.9
	April 1994	6.96	38	6.6	NR
	August 1994	NR	338	11.9	NR
	November 1994	7.12	22	6.4	NR
SW-6	November 1993	9.99	32	7	9
	April 1994	6.56	42	6.8	NR
	August 1994	NR	285	15.7	NR
	November 1994	6.99	36	7.2	NR
SW-7	April 1994	7.06	39	8.1	NR
	November 1994	7.27	23	7	NR

NR=Data Not Recorded

TABLE 6–10
PRODUCT THICKNESS DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REIEC

WELL NO.	Date																		
	10/1/90	10/18/90	11/29/90	3/19/91	10/2/91	11/7/91	12/17/91	3/4/92	4/17/92	5/10/93	6/16/93	6/30/93	7/15/93	11/1–3/93	12/29/93	4/4/94	6/3/94	8/1/94	11/7/94
MW–1	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–2	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–3	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–4	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–5	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–6	Trace	0	Trace	0.01	0.4	--	0.3	0.1	0.25	Product	--	--	0.04	Product	Product	Trace	0.35	Product	Product
MW–7	Trace	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–8	Product	Trace	0.03	0.59	0.8	--	0.1	0.01	Trace	Product	--	--	0.08	Product	Product	0.04	0.15	Product	Product
MW–9	Trace	0	0	Trace	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–10	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–11	0	0	0	0	0	--	0	0	0	0.06	0	0	0	0	0.05	0.02	0	0	0
MW–12	Trace	0	0	0	Trace	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–13	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–14	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–15	0	0	0	Trace	0.2	--	0.03	0	0	0	0	Trace	0	Trace	0	0	0	0.02	0
MW–16	0	0	0	0	0	--	0	0	0	--	--	--	--	0	0	0	0	0	0
MW–17	Trace	0	0.04	0.3	0.8	--	0.4	0.3	0	Product	--	--	2.47	Product	Product	Product	0.06	Product	Product
MW–18	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–19	Trace	Trace	0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–20	Trace	0	0	Trace	0	--	0	0	0	--	--	--	--	Product	2.48	0.25	--	Product	Product
MW–21	Trace	0	0.03	0.9	0.9	--	0.1	0.1	0.17	Product	--	--	0.25	Product	Product	0.05	1.58	Product	Product
MW–22	Trace	Trace	--	0.6	0.6	--	0.3	0.05	Trace	Product	Trace	0.05	0.93	Product	--	Product	Product	--	0.38
MW–23	0	Trace	0	0	0	--	0	0	0	0	0	0	0	0	--	0	0	0	0
MW–24	Trace	Trace	0	0	0	--	0	0	0	0	0	0	0	--	--	0	0	0	0
MW–25	Trace	Trace	--	0.4	0.7	--	--	0.05	0.08	Product	Trace	0	0.04	Product	--	0.04	Product	Product	Product
MW–26	0.01	0	0	0	0	--	--	0	0	--	--	--	--	--	--	0	--	--	0
MW–27	Trace	0	0	0.7	0.8	--	0.8	0.3	0.33	Product	Trace	0.05	0.04	Product	--	Product	--	--	Product
MW–28	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08
MW–29	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–30	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6–10 (Continued)
PRODUCT THICKNESS DATA
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

WELL NO.	Date																		
	10/1/90	10/18/90	11/29/90	3/19/91	10/2/91	11/7/91	12/17/91	3/4/92	4/17/92	5/10/93	6/16/93	6/30/93	7/15/93	11/1–3/93	12/29/93	4/4/94	6/3/94	8/1/94	11/7/94
MW–31	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–32	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW–33	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
MW–34	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
MW–35	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
MW–36	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	Product
MW–37	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	0	0	0	0
MW–38	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	0	0	0	0
MW–39	--	--	--	--	--	--	--	--	--	--	--	--	--	Product	Product	Product	Product	Product	Product
MW–40	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
DW–1	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
DW–2	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
DW–3	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
DW–4	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
DW–5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0

NOTES:

All thickness data in feet
-- = Not Gauged or not measured
Trace = Product present in form of droplets but not a measureable thickness
Product = Product present but thickness not measured

TABLE 6-11
PRODUCT CHARACTERIZATION
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Analysis	Units	Sample			
		River	MW-22	MW-27	MW-39
Surface Tension ASTM D1331 at 68°F	dynes/cm	39	33	35	38
Interfacial Tension ASTM D1331 at 68°F	dynes/cm	27	49	81	25
Specific Gravity ASTM D70 at 45°F	dimensionless	0.9818	0.9740	0.9676	0.9922
Viscosity ASTM D2196 at 45-46°F	centipoise (cP)	2,730	5,783	1,035	95,350
Hydrocarbons as Gasoline (>C6-C12)	mg/kg	<10,000	<10,000	<10,000	<10,000
Hydrocarbons as Diesel (C12-C28)	mg/kg	490,000	430,000	480,000	210,000
Hydrocarbons as Heavy Oil (>C28) WTPH-HCID by GC/FID *	mg/kg	<50,000	<50,000	<50,000	<50,000

* The WTPH-HCID analysis detected hydrocarbons in the C9 to C32 range; however, concentrations were high enough for quantification only on the diesel range.

TABLE 7–1
TPH ANALYTICAL RESULTS – SURFACE WATER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Sample ID:	PQL (mg/L)	WTPH–Diesel GC/FID (C10–C30) 11/93 (mg/kg)	WTPH by 418.1 IR (C8 – C30+) 11/93 (mg/kg)	WTPH–D Extended GC/FID (C9–C36) 4/94 (mg/kg)	WTPH–D Extended GC/FID (C9–C36) 8/94 (mg/kg)	WTPH–D Extended GC/FID (C9–C36) 11/94 (mg/kg)
SW–1	1.0	NA	1 U	NA	NA	NA
SW–2	1.0	NA	1 U	NA	NA	NA
SW–3	1.0	NA	1 U	< 0.020 U	< 0.2 U	NA
SW–4	1.0	NA	1 U	NA	NA	NA
SW–5	1.0	NA	1 U	< 0.020 U	0.1 J	< 0.2 U
SW–6	1.0	NA	1 U	< 0.020 U	0.1 J	< 0.2 U
SW–60 (SW–6 Dup)	1.0	NA	1 U	NA	NA	NA
SW–7	1.0	NA	NA	< 0.020 U	NA	< 0.2 U
Field Blank						
MW–100	1.0	NA	NA	NA	< 0.2 U	< 0.2 U
MW–101	1.0	NA	NA	< 0.020 U	< 0.2 U	NA
MW–102	1.0	NA	NA	< 0.020 U	< 0.2 U	< 0.2 U
MW–103	1.0	NA	NA	< 0.020 U	NA	< 0.2 U
MW–200	1.0	0.25 U	NA	NA	NA	NA

Table 7-2
SVOC Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

RETEC

Analyte	CAS NO.	PQL	SW-1	SW-2	SW-3	SW-4
Sample location:		PQL	SW-1	SW-2	SW-3	SW-4
Sample no:		POL-SV	SW-1-11-93	SW-2-11-93	SW-3-11-93	SW-4-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Date:		/ /	11/05/93	11/05/93	11/05/93	11/05/93
Type:		Primary	Primary	Primary	Primary	Primary
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	10	<10U	<10U	<10U	<10U
bis(2-Chloroethyl) ether	111-44-4	10	<10U	<10U	<10U	<10U
2-Chlorophenol	95-57-8	10	<10U	<10U	<10U	<10U
1,3-Dichlorobenzene	541-73-1	10	<10U	<10U	<10U	<10U
1,4-Dichlorobenzene	106-46-7	10	<10U	<10U	<10U	<10U
Benzyl alcohol	100-51-6	10	<10U	<10U	<10U	<10U
1,2-Dichlorobenzene	95-50-1	10	<10U	<10U	<10U	<10U
2-Methylphenol	95-48-7	10	<10U	<10U	<10U	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	10	<10U	<10U	<10U	<10U
4-Methylphenol	106-44-5	10	<10U	<10U	<10U	<10U
N-Nitroso-di-n-propylamine	621-64-7	10	<10U	<10U	<10U	<10U
Hexachloroethane	67-72-1	10	<10U	<10U	<10U	<10U
Nitrobenzene	98-95-3	10	<10U	<10U	<10U	<10U
Isophorone	78-59-1	10	<10U	<10U	<10U	<10U
2-Nitrophenol	88-75-5	10	<10U	<10U	<10U	<10U
2,4-Dimethylphenol	105-67-9	50	<50U	<50U	<50U	<50U
Benzoic acid	65-85-0	10	<10U	<10U	<10U	<10U
Bis(2-chloroethoxy)methane	111-91-1	10	<10U	<10U	<10U	<10U
2,4-Dichlorophenol	120-83-2	10	<10U	<10U	<10U	<10U
1,2,4-Trichlorobenzene	120-82-1	10	<10U	<10U	<10U	<10U
4-Chloroaniline	106-47-8	10	<10U	<10U	<10U	<10U
Hexachlorobutadiene	87-68-3	10	<10U	<10U	<10U	<10U
4-Chloro-3-methylphenol	59-50-7	20	<10U	<10U	<10U	<10U
2-Methylnaphthalene	91-57-6	10	<10U	<10U	<10U	<10U
Hexachlorocyclopentadiene	77-47-4	10	<10U	<10U	<10U	<10U
2,4,6-Trichlorophenol	88-06-2	10	<10U	<10U	<10U	<10U
2,4,5-Trichlorophenol	95-95-4	50	<50U	<50U	<50U	<50U
2-Chloronaphthalene	91-58-7	10	<10U	<10U	<10U	<10U
2-Nitroaniline	88-74-4	50	<50U	<50U	<50U	<50U
Dimethyl phthalate	131-11-3	10	<10U	<10U	<10U	<10U
2,6-Dinitrotoluene	606-20-2	50	<50U	<50U	<50U	<50U
3-Nitroaniline	99-09-2	50	<50U	<50U	<50U	<50U
N-Nitrosodimethylamine	62-75-9	10	<10U	<10U	<10U	<10U
2,4-Dinitrophenol	51-28-5	50	<50U	<50U	<50U	<50U
4-Nitrophenol	100-02-7	50	<50U	<50U	<50U	<50U
Dibenzofuran	132-64-9	10	<10U	<10U	<10U	<10U
2,4-Dinitrotoluene	121-14-2	10	<10U	<10U	<10U	<10U
Diethylphthalate	84-66-2	10	<10U	<10U	<10U	<10U
4-Chlorophenyl-phenylether	7005-72-3	10	<10U	<10U	<10U	<10U
4-Nitroaniline	100-01-6	50	<50U	<50U	<50U	<50U
4,6-Dinitro,2-methylphenol	534-52-1	50	<50U	<50U	<50U	<50U
N-Nitrosodiphenylamine	86-30-6	10	<10U	<10U	<10U	<10U
4-Bromophenyl-phenylether	101-55-3	10	<10U	<10U	<10U	<10U
Hexachlorobenzene	118-74-1	10	<10U	<10U	<10U	<10U
Pentachlorophenol	87-86-5	50	<50U	<50U	<50U	<50U
Di-n-butyl phthalate	84-74-2	10	<10U	<10U	<10U	<10U
Butylbenzylphthalate	85-68-7	10	<10U	<10U	<10U	<10U
3,3'-Dichlorobenzidine	91-94-1	20	<20U	<20U	<20U	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	10	<10U	<10U	<10U	<10U
Di-n-octyl phthalate	117-84-0	10	<10U	<10U	<10U	<10U
Azobenzene	103-33-3	50	<50U	<50U	<50U	<50U
Naphthalene	91-20-3	10	<10U	<10U	<10U	<10U
Acenaphthylene	208-96-8	10	<10U	<10U	<10U	<10U
Acenaphthene	83-32-9	10	<10U	<10U	<10U	<10U
Fluorene	86-73-7	10	<10U	<10U	<10U	<10U
Phenanthrene	85-01-8	10	<10U	<10U	<10U	<10U
Anthracene	120-12-7	10	<10U	<10U	<10U	<10U
Fluoranthene	206-44-0	10	<10U	<10U	<10U	<10U
Pyrene	129-00-0	10	<10U	<10U	<10U	<10U
Benzo(a)anthracene	56-55-3	10	<10U	<10U	<10U	<10U
Chrysene	218-01-9	10	<10U	<10U	<10U	<10U
Benzo(b)fluoranthene	205-99-2	10	<10U	<10U	<10U	<10U
Benzo(k)fluoranthene	207-08-9	10	<10U	<10U	<10U	<10U
Benzo(a)pyrene	50-32-8	10	<10U	<10U	<10U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	10	<10U	<10U	<10U	<10U
Dibenzo(a,h)anthracene	53-70-3	10	<10U	<10U	<10U	<10U
Benzo(g,h,i)perylene	191-24-2	10	<10U	<10U	<10U	<10U
Sum of PAHs		160	0	0	0	0
Sum of Carcinogenic PAHs		70	0	0	0	0

Table 7-2
SVOC Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SW-5	SW-5	SW-5	SW-6	SW-6
Sample location:		SW-5	SW-5	SW-5	SW-6	SW-6
Sample no:		SW-5-11-93	SW-5-04-94	SW-5-08-94	SW-6-11-93	SW-60-11-93
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Date:		11/05/93	04/06/94	08/02/94	11/05/93	11/05/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Method:		EPA8270	EPA8310	EPA8310	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	<10U	NA	NA	<10U	<10U
bis(2-Chloroethyl) ether	111-44-4	<10U	NA	NA	<10U	<10U
2-Chlorophenol	95-57-8	<10U	NA	NA	<10U	<10U
1,3-Dichlorobenzene	541-73-1	<10U	NA	NA	<10U	<10U
1,4-Dichlorobenzene	106-46-7	<10U	NA	NA	<10U	<10U
Benzyl alcohol	100-51-6	<10U	NA	NA	<10U	<10U
1,2-Dichlorobenzene	95-50-1	<10U	NA	NA	<10U	<10U
2-Methylphenol	95-48-7	<10U	NA	NA	<10U	<10U
Bis(2-chloroisopropyl)ether	39638-32-9	<10U	NA	NA	<10U	<10U
4-Methylphenol	106-44-5	<10U	NA	NA	<10U	<10U
N-Nitroso-di-n-propylamine	621-64-7	<10U	NA	NA	<10U	<10U
Hexachloroethane	67-72-1	<10U	NA	NA	<10U	<10U
Nitrobenzene	98-95-3	<10U	NA	NA	<10U	<10U
Isophorone	78-59-1	<10U	NA	NA	<10U	<10U
2-Nitrophenol	88-75-5	<10U	NA	NA	<10U	<10U
2,4-Dimethylphenol	105-67-9	<50U	NA	NA	<50U	<50U
Benzoic acid	65-85-0	<10U	NA	NA	<10U	<10U
Bis(2-chloroethoxy)methane	111-91-1	<10U	NA	NA	<10U	<10U
2,4-Dichlorophenol	120-83-2	<10U	NA	NA	<10U	<10U
1,2,4-Trichlorobenzene	120-82-1	<10U	NA	NA	<10U	<10U
4-Chloroaniline	106-47-8	<10U	NA	NA	<10U	<10U
Hexachlorobutadiene	87-68-3	<10U	NA	NA	<10U	<10U
4-Chloro-3-methylphenol	59-50-7	<10U	NA	NA	<10U	<10U
2-Methylnaphthalene	91-57-6	<10U	NA	NA	<10U	<10U
Hexachlorocyclopentadiene	77-47-4	<10U	NA	NA	<10U	<10U
2,4,6-Trichlorophenol	88-06-2	<10U	NA	NA	<10U	<10U
2,4,5-Trichlorophenol	95-95-4	<50U	NA	NA	<50U	<50U
2-Chloronaphthalene	91-58-7	<10U	NA	NA	<10U	<10U
2-Nitroaniline	88-74-4	<50U	NA	NA	<50U	<50U
Dimethyl phthalate	131-11-3	<10U	NA	NA	<10U	<10U
2,6-Dinitrotoluene	606-20-2	<50U	NA	NA	<50U	<50U
3-Nitroaniline	99-09-2	<50U	NA	NA	<50U	<50U
N-Nitrosodimethylamine	62-75-9	<10U	NA	NA	<10U	<10U
2,4-Dinitrophenol	51-28-5	<50U	NA	NA	<50U	<50U
4-Nitrophenol	100-02-7	<50U	NA	NA	<50U	<50U
Dibenzofuran	132-64-9	<10U	NA	NA	<10U	<10U
2,4-Dinitrotoluene	121-14-2	<10U	NA	NA	<10U	<10U
Diethylphthalate	84-66-2	<10U	NA	NA	<10U	<10U
4-Chlorophenyl-phenylether	7005-72-3	<10U	NA	NA	<10U	<10U
4-Nitroaniline	100-01-6	<50U	NA	NA	<50U	<50U
4,6-Dinitro,2-methylphenol	534-52-1	<50U	NA	NA	<50U	<50U
N-Nitrosodiphenylamine	86-30-6	<10U	NA	NA	<10U	<10U
4-Bromophenyl-phenylether	101-55-3	<10U	NA	NA	<10U	<10U
Hexachlorobenzene	118-74-1	<10U	NA	NA	<10U	<10U
Pentachlorophenol	87-86-5	<50U	NA	NA	<50U	<50U
Di-n-butyl phthalate	84-74-2	<10U	NA	NA	<10U	<10U
Butylbenzylphthalate	85-68-7	<10U	NA	NA	<10U	<10U
3,3'-Dichlorobenzidine	91-94-1	<20U	NA	NA	<20U	<20U
Bis(2-ethylhexyl)phthalate	117-81-7	<10U	NA	NA	23	180
Di-n-octyl phthalate	117-84-0	<10U	NA	NA	<10U	<10U
Azobenzene	103-33-3	<50U	NA	NA	<50U	<50U
Naphthalene	91-20-3	<10U	<1.8U	<1.8U	<10U	<10U
Acenaphthylene	208-96-8	<10U	<2.3U	<2.3U	<10U	<10U
Acenaphthene	83-32-9	<10U	<1.8U	<1.8U	<10U	<10U
Fluorene	86-73-7	<10U	<0.21U	<0.21U	<10U	<10U
Phenanthrene	85-01-8	<10U	<0.64U	<0.64U	<10U	<10U
Anthracene	120-12-7	<10U	<0.66U	<0.66U	<10U	<10U
Fluoranthene	206-44-0	<10U	<0.21U	0.40	<10U	<10U
Pyrene	129-00-0	<10U	<0.27U	<0.27U	<10U	<10U
Benzo(a)anthracene	56-55-3	<10U	<0.020U	<0.020U	<10U	<10U
Chrysene	218-01-9	<10U	<0.15U	<0.15U	<10U	<10U
Benzo(b)fluoranthene	205-99-2	<10U	<0.020U	<0.020U	<10U	<10U
Benzo(k)fluoranthene	207-08-9	<10U	<0.020U	<0.020U	<10U	<10U
Benzo(a)pyrene	50-32-8	<10U	<0.030U	<0.030U	<10U	<10U
Indeno(1,2,3-cd)pyrene	193-39-5	<10U	<0.050U	<0.050U	<10U	<10U
Dibenzo(a,h)anthracene	53-70-3	<10U	<0.030U	<0.030U	<10U	<10U
Benzo(g,h,i)perylene	191-24-2	<10U	<0.080U	<0.080U	<10U	<10U
Sum of PAHs		0	0	0	0	0
Sum of Carcinogenic PAHs		0	0	0	0	0

Table 7-2
SVOC Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	FB-100	FB-102	FB-200		
	Sample location:	FB-100	FB-102	FB-200		
	Sample no:	MW-100-08-94	MW-102-04-94	MW-200-11-93		
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0		
	Matrix:	Surface Water	Surface Water	Surface Water		
	Sample Date:	08/02/94	04/06/94	11/04/93		
	Type:	Field Blank	Field Blank	Field Blank		
	Method:	EPA8310	EPA8310	EPA8270		
Semi-Volatile Organic Compounds(ug/L)						
Phenol	108-95-2	NA	NA	<10U		
bis(2-Chloroethyl) ether	111-44-4	NA	NA	<10U		
2-Chlorophenol	95-57-8	NA	NA	<10U		
1,3-Dichlorobenzene	541-73-1	NA	NA	<10U		
1,4-Dichlorobenzene	106-46-7	NA	NA	<10U		
Benzyl alcohol	100-51-6	NA	NA	<10U		
1,2-Dichlorobenzene	95-50-1	NA	NA	<10U		
2-Methylphenol	95-48-7	NA	NA	<10U		
Bis(2-chloroisopropyl)ether	39638-32-9	NA	NA	<10U		
4-Methylphenol	106-44-5	NA	NA	<10U		
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	<10U		
Hexachloroethane	67-72-1	NA	NA	<10U		
Nitrobenzene	98-95-3	NA	NA	<10U		
Isophorone	78-59-1	NA	NA	<10U		
2-Nitrophenol	88-75-5	NA	NA	<10U		
2,4-Dimethylphenol	105-67-9	NA	NA	<50U		
Benzoic acid	65-85-0	NA	NA	<10U		
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	<10U		
2,4-Dichlorophenol	120-83-2	NA	NA	<10U		
1,2,4-Trichlorobenzene	120-82-1	NA	NA	<10U		
4-Chloroaniline	106-47-8	NA	NA	<10U		
Hexachlorobutadiene	87-68-3	NA	NA	<10U		
4-Chloro-3-methylphenol	59-50-7	NA	NA	<10U		
2-Methylnaphthalene	91-57-6	NA	NA	<10U		
Hexachlorocyclopentadiene	77-47-4	NA	NA	<10U		
2,4,6-Trichlorophenol	88-06-2	NA	NA	<10U		
2,4,5-Trichlorophenol	95-95-4	NA	NA	<50U		
2-Chloronaphthalene	91-58-7	NA	NA	<10U		
2-Nitroaniline	88-74-4	NA	NA	<50U		
Dimethyl phthalate	131-11-3	NA	NA	<10U		
2,6-Dinitrotoluene	606-20-2	NA	NA	<50U		
3-Nitroaniline	99-09-2	NA	NA	<50U		
N-Nitrosodimethylamine	62-75-9	NA	NA	<10U		
2,4-Dinitrophenol	51-28-5	NA	NA	<50U		
4-Nitrophenol	100-02-7	NA	NA	<50U		
Dibenzofuran	132-64-9	NA	NA	<10U		
2,4-Dinitrotoluene	121-14-2	NA	NA	<10U		
Diethylphthalate	84-66-2	NA	NA	<10U		
4-Chlorophenyl-phenylether	7005-72-3	NA	NA	<10U		
4-Nitroaniline	100-01-6	NA	NA	<50U		
4,6-Dinitro,2-methylphenol	534-52-1	NA	NA	<50U		
N-Nitrosodiphenylamine	86-30-6	NA	NA	<10U		
4-Bromophenyl-phenylether	101-55-3	NA	NA	<10U		
Hexachlorobenzene	118-74-1	NA	NA	<10U		
Pentachlorophenol	87-86-5	NA	NA	<50U		
Di-n-butyl phthalate	84-74-2	NA	NA	<10U		
Butylbenzylphthalate	85-68-7	NA	NA	<10U		
3,3'-Dichlorobenzidine	91-94-1	NA	NA	<20U		
Bis(2-ethylhexyl)phthalate	117-81-7	NA	NA	<10U		
Di-n-octyl phthalate	117-84-0	NA	NA	<10U		
Azobenzene	103-33-3	NA	NA	<50U		
Naphthalene	91-20-3	<1.8U	<1.8U	<10U		
Acenaphthylene	208-96-8	<2.3U	<2.3U	<10U		
Acenaphthene	83-32-9	<1.8U	<1.8U	<10U		
Fluorene	86-73-7	<0.21U	<0.21U	<10U		
Phenanthrene	85-01-8	<0.64U	<0.64U	<10U		
Anthracene	120-12-7	<0.66U	<0.66U	<10U		
Fluoranthene	206-44-0	<0.21U	<0.21U	<10U		
Pyrene	129-00-0	<0.27U	<0.27U	<10U		
Benzo(a)anthracene	56-55-3	<0.020U	<0.020U	<10U		
Chrysene	218-01-9	<0.15U	<0.15U	<10U		
Benzo(b)fluoranthene	205-99-2	<0.020U	<0.020U	<10U		
Benzo(k)fluoranthene	207-08-9	<0.020U	<0.020U	<10U		
Benzo(a)pyrene	50-32-8	<0.030U	<0.030U	<10U		
Indeno(1,2,3-cd)pyrene	193-39-5	<0.050U	<0.050U	<10U		
Dibenzo(a,h)anthracene	53-70-3	<0.030U	<0.030U	<10U		
Benzo(g,h,i)perylene	191-24-2	<0.080U	<0.080U	<10U		
Sum of PAHs		0	0	0		
Sum of Carcinogenic PAHs		0	0	0		

Table 7-3
Metals and TSS Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	PQL	SW-1	SW-2	SW-3	SW-3
Sample location:		PQL	SW-1	SW-2	SW-3	SW-3
Sample no:		PQL-METAL	SW-1-11-93	SW-2-11-93	SW-3-11-93	SW-3-04-94
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Date:		/ /	11/05/93	11/05/93	11/05/93	04/07/94
Type:		Primary	Primary	Primary	Primary	Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	0.05	<0.01U	<0.01U	<0.01U	NA
Beryllium	7440-41-7	0.001	<0.005U	<0.005U	<0.005U	NA
Cadmium	7440-43-9	0.0005	<0.0001U	<0.0001U	<0.0001U	NA
Copper	7440-50-8	0.05	<0.01U	<0.01U	<0.01U	NA
Mercury	7439-97-6	0.0005	<0.0002U	<0.0002U	<0.0002U	NA
Nickel	7440-02-0	0.1	<0.02U	<0.02U	<0.02U	NA
Antimony	7440-36-0	0.005	<0.001U	<0.001U	<0.001U	NA
Selenium	7782-49-2	0.005	<0.001U	<0.001U	<0.001U	NA
Thallium	7440-28-0	0.010	<0.002U	<0.002U	<0.002U	NA
Zinc	7440-66-6	0.05	<0.01U	<0.01U	<0.01U	NA
Arsenic	7440-38-2	0.005	<0.001U	<0.001U	<0.001U	<0.001U
Chromium	7440-47-3	0.05	<0.01U	<0.01U	<0.01U	<0.01U
Lead	7439-92-1	0.005	<0.001U	<0.001U	<0.001U	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	0.005	NA	NA	NA	<0.001U
Chromium (dissolved)	7440-47-3	0.05	NA	NA	NA	<0.01U
Lead (dissolved)	7439-92-1	0.005	NA	NA	NA	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	10	NA	NA	NA	<2U

Table 7-3
Metals and TSS Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SW-3 SW-3-08-94 0.0-0.0 Surface Water 08/02/94 Primary	SW-4 SW-4-11-93 0.0-0.0 Surface Water 11/05/93 Primary	SW-5 SW-5-11-93 0.0-0.0 Surface Water 11/05/93 Primary	SW-5 SW-5-04-94 0.0-0.0 Surface Water 04/06/94 Primary	SW-5 SW-5-08-94 0.0-0.0 Surface Water 08/02/94 Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	<0.01U	<0.01U	NA	NA
Beryllium	7440-41-7	NA	<0.005U	<0.005U	NA	NA
Cadmium	7440-43-9	NA	<0.0001U	<0.0001U	NA	NA
Copper	7440-50-8	NA	<0.01U	<0.01U	NA	NA
Mercury	7439-97-6	NA	<0.0002U	<0.0002U	NA	NA
Nickel	7440-02-0	NA	<0.02U	<0.02U	NA	NA
Antimony	7440-36-0	NA	<0.001U	<0.001U	NA	NA
Selenium	7782-49-2	NA	<0.001U	<0.001U	NA	NA
Thallium	7440-28-0	NA	<0.002U	<0.002U	NA	NA
Zinc	7440-66-6	NA	<0.01U	<0.01U	NA	NA
Arsenic	7440-38-2	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Chromium	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	NA	NA	NA	<0.001U	NA
Chromium (dissolved)	7440-47-3	NA	NA	NA	<0.01U	NA
Lead (dissolved)	7439-92-1	NA	NA	NA	<0.001U	NA
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	8	NA	NA	10	12

Table 7-3
Metals and TSS Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	SW-6 SW-6-11-93 0.0-0.0 Surface Water 11/05/93 Primary	SW-6 SW-60-11-93 0.0-0.0 Surface Water 11/05/93 Duplicate	SW-6 SW-6-04-94 0.0-0.0 Surface Water 04/07/94 Primary	SW-6 SW-6-08-94 0.0-0.0 Surface Water 08/02/94 Primary	SW-7 SW-7-04-94 0.0-0.0 Surface Water 04/07/94 Primary
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	<0.01U	<0.01U	NA	NA	NA
Beryllium	7440-41-7	<0.005U	<0.005U	NA	NA	NA
Cadmium	7440-43-9	<0.0001U	<0.0001U	NA	NA	NA
Copper	7440-50-8	<0.01U	<0.01U	NA	NA	NA
Mercury	7439-97-6	<0.0002U	<0.0002U	NA	NA	NA
Nickel	7440-02-0	<0.02U	<0.02U	NA	NA	NA
Antimony	7440-36-0	<0.001U	<0.001U	NA	NA	NA
Selenium	7782-49-2	<0.001U	<0.001U	NA	NA	NA
Thallium	7440-28-0	<0.002U	<0.002U	NA	NA	NA
Zinc	7440-66-6	<0.01U	<0.01U	NA	NA	NA
Arsenic	7440-38-2	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Chromium	7440-47-3	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U
Lead	7439-92-1	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	NA	NA	<0.001U	NA	<0.001U
Chromium (dissolved)	7440-47-3	NA	NA	<0.01U	NA	<0.01U
Lead (dissolved)	7439-92-1	NA	NA	<0.001U	NA	<0.001U
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	NA	NA	<2U	2	2

Table 7-3
Metals and TSS Analytical Results - Surface Water
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	FB-101	FB-102	FB-200		
Sample location:		FB-101	FB-102	FB-200		
Sample no:		MW-101-04-94	MW-102-04-94	MW-200-11-93		
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0		
Matrix:		Surface Water	Surface Water	Surface Water		
Sample Date:		04/05/94	04/06/94	11/04/93		
Type:		Field Blank	Field Blank	Field Blank		
Total Metals - EPA 6010(mg/L)						
Silver	7440-22-4	NA	NA	<0.01U		
Beryllium	7440-41-7	NA	NA	<0.005U		
Cadmium	7440-43-9	NA	NA	<0.0001U		
Copper	7440-50-8	NA	NA	<0.01U		
Mercury	7439-97-6	NA	NA	<0.0002U		
Nickel	7440-02-0	NA	NA	<0.02U		
Antimony	7440-36-0	NA	NA	<0.001U		
Selenium	7782-49-2	NA	NA	<0.001U		
Thallium	7440-28-0	NA	NA	<0.002U		
Zinc	7440-66-6	NA	NA	<0.01U		
Arsenic	7440-38-2	<0.001U	0.001	<0.001U		
Chromium	7440-47-3	<0.01U	<0.01U	<0.01U		
Lead	7439-92-1	<0.001U	<0.001U	<0.001U		
Dissolved Metals - EPA 6010(mg/L)						
Arsenic (dissolved)	7440-38-2	<0.001U	<0.001U	NA		
Chromium (dissolved)	7440-47-3	<0.01U	<0.01U	NA		
Lead (dissolved)	7439-92-1	<0.001U	<0.001U	NA		
Total Suspended Solids(mg/L)						
Total Suspended Solids	TSS	<2U	<2U	NA		

REIEC

TABLE 7-4
TPH ANALYTICAL RESULTS - SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

ANALYSIS				WTPH by 418.1 IR (C8 - C30+)		
Sample ID:	Lab Sample ID:	Sample Date:	Sample Depth: (feet bgs)	Conc.: (mg/kg)	MDL	Q
Sediments						
SED-1	588-2927	10/07/93	0		106	U
SED-2	588-2928	10/07/93	0		116	U
SED-3	588-2930	10/07/93	0		111	U
SED-10 (SED-3 Dup)	588-2929	10/07/93	0		111	U
SED-4	588-2931	10/07/93	0	6900	1,869	
SED-5	588-2932	10/07/93	0	990	117	
SED-6	588-2933	10/07/93	0	97	145	J
SED-7	590-2936	10/07/93	0	99	143	J

Table 7-5
SVOC Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	PQL	SED-1	SED-2	SED-3	SED-3
Sample location:		PQL	SED-1	SED-2	SED-3	SED-10
Sample no:		PQL-SV	SED-1	SED-2	SED-3	SED-10
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Sediment	Sediment	Sediment	Sediment	Sediment
Sample Date:		/ /	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Method:		EPA8270	EPA8270	EPA8270	EPA8270	EPA8270
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	660	<1051U	<382U	<365U	<736U
bis(2-Chloroethyl) ether	111-44-4	660	<1051U	<382U	<365U	<736U
2-Chlorophenol	95-57-8	660	<1051U	<382U	<365U	<736U
1,3-Dichlorobenzene	541-73-1	660	<1051U	<382U	<365U	<736U
1,4-Dichlorobenzene	106-46-7	660	<1051U	<382U	<365U	<736U
Benzyl alcohol	100-51-6	660	<1051U	<382U	<365U	<736U
1,2-Dichlorobenzene	95-50-1	660	<1051U	<382U	<365U	<736U
2-Methylphenol	95-48-7	660	<1051U	<382U	<365U	<736U
Bis(2-chloroisopropyl)ether	39638-32-9	660	<1051U	<382U	<365U	<736U
4-Methylphenol	106-44-5	660	<1051U	<382U	<365U	<736U
N-Nitroso-di-n-propylamine	621-64-7	660	<1051U	<382U	<365U	<736U
Hexachloroethane	67-72-1	660	<1051U	<382U	<365U	<736U
Nitrobenzene	98-95-3	660	<1051U	<382U	<365U	<736U
Isophorone	78-59-1	660	<1051U	<382U	<365U	<736U
2-Nitrophenol	88-75-5	660	<1051U	<382U	<365U	<736U
2,4-Dimethylphenol	105-67-9	660	<5255U	<1908U	<1827U	<3679U
Benzoic acid	65-85-0	660	<1051U	<382U	<365U	<736U
Bis(2-chloroethoxy)methane	111-91-1	660	<1051U	<382U	<365U	<736U
2,4-Dichlorophenol	120-83-2	660	<1051U	<382U	<365U	<736U
1,2,4-Trichlorobenzene	120-82-1	660	<1051U	<382U	<365U	<736U
4-Chloroaniline	106-47-8	660	<1051U	<382U	<365U	<736U
Hexachlorobutadiene	87-68-3	660	<1051U	<382U	<365U	<736U
4-Chloro-3-methylphenol	59-50-7	1300	<1051U	<382U	<365U	<736U
2-Methylnaphthalene	91-57-6	660	<1051U	<382U	<365U	<736U
Hexachlorocyclopentadiene	77-47-4	660	<1051U	<382U	<365U	<736U
2,4,6-Trichlorophenol	88-06-2	660	<1051U	<382U	<365U	<736U
2,4,5-Trichlorophenol	95-95-4	3300	<5255U	<1908U	<1827U	<3679U
2-Chloronaphthalene	91-58-7	660	<1051U	<382U	<365U	<736U
2-Nitroaniline	88-74-4	3300	<5255U	<1908U	<1827U	<3679U
Dimethyl phthalate	131-11-3	660	<1051U	<382U	<365U	<736U
2,6-Dinitrotoluene	606-20-2	3300	<5255U	<1908U	<1827U	<3679U
3-Nitroaniline	99-09-2	3300	<5255U	<1908U	<1827U	<3679U
N-Nitrosodimethylamine	62-75-9	660	<1051U	<382U	<365U	<736U
2,4-Dinitrophenol	51-28-5	3300	<5255U	<1908U	<1827U	<3679U
4-Nitrophenol	100-02-7	3300	<5255U	<1908U	<1827U	<3679U
Dibenzofuran	132-64-9	660	<1051U	<382U	<365U	<736U
2,4-Dinitrotoluene	121-14-2	660	<1051U	<382U	<365U	<736U
Diethylphthalate	84-66-2	660	<1051U	<382U	<365U	<736U
4-Chlorophenyl-phenylether	7005-72-3	660	<1051U	<382U	<365U	<736U
4-Nitroaniline	100-01-6	3300	<5255U	<1908U	<1827U	<3679U
4,6-Dinitro,2-methylphenol	534-52-1	3300	<5255U	<1908U	<1827U	<3679U
N-Nitrosodiphenylamine	86-30-6	660	<1051U	<382U	<365U	<736U
4-Bromophenyl-phenylether	101-55-3	660	<1051U	<382U	<365U	<736U
Hexachlorobenzene	118-74-1	660	<1051U	<382U	<365U	<736U
Pentachlorophenol	87-86-5	3300	<5255U	<1908U	<1827U	<3679U
Di-n-butyl phthalate	84-74-2	660	<1051U	<382U	<365U	<736U
Butylbenzylphthalate	85-68-7	660	<1051U	<382U	<365U	<736U
3,3'-Dichlorobenzidine	91-94-1	1300	<2102U	<763U	<731U	<1472U
Bis(2-ethylhexyl)phthalate	117-81-7	660	<1051U	<382U	<365U	<736U
Di-n-octyl phthalate	117-84-0	660	<1051U	<382U	<365U	<736U
Azobenzene	103-33-3	3300	<5255U	<1908U	<1827U	<3679U
Naphthalene	91-20-3	660	<1051U	<382U	<365U	<736U
Acenaphthylene	208-96-8	660	<1051U	<382U	<365U	<736U
Acenaphthene	83-32-9	660	<1051U	<382U	<365U	<736U
Fluorene	86-73-7	660	<1051U	<382U	<365U	<736U
Phenanthrene	85-01-8	660	<1051U	<382U	<365U	<736U
Anthracene	120-12-7	660	<1051U	<382U	<365U	<736U
Fluoranthene	206-44-0	660	<1051U	<382U	<365U	<736U
Pyrene	129-00-0	660	<1051U	<382U	<365U	<736U
Benzo(a)anthracene	56-55-3	660	<1051U	<382U	<365U	<736U
Chrysene	218-01-9	660	<1051U	<382U	<365U	<736U
Benzo(b)fluoranthene	205-99-2	660	<1051U	<382U	<365U	<736U
Benzo(k)fluoranthene	207-08-9	660	<1051U	<382U	<365U	<736U
Benzo(a)pyrene	50-32-8	660	<1051U	<382U	<365U	<736U
Indeno(1,2,3-cd)pyrene	193-39-5	660	<1051U	<382U	<365U	<736U
Dibenzo(a,h)anthracene	53-70-3	660	<1051U	<382U	<365U	<736U
Benzo(g,h,i)perylene	191-24-2	660	<1051U	<382U	<365U	<736U
Sum of PAHs		10560	0	0	0	0
Sum of Carcinogenic PAHs		4620	0	0	0	0

Table 7-5
SVOC Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.					
	Sample location:	SED-4	SED-5	SED-6	SED-7	
	Sample no:	SED-4	SED-5	SED-6	SED-7	
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	
	Matrix:	Sediment	Sediment	Sediment	Sediment	
	Sample Date:	10/07/93	10/07/93	10/07/93	10/07/93	
	Type:	Primary	Primary	Primary	Primary	
	Method:	EPA8270	EPA8270	EPA8270	EPA8270	
Semi-Volatile Organic Compounds(ug/Kg)						
Phenol	108-95-2	<3855U	<2310U	<1910U	<9442U	
bis(2-Chloroethyl) ether	111-44-4	<3855U	<2310U	<1910U	<9442U	
2-Chlorophenol	95-57-8	<3855U	<2310U	<1910U	<9442U	
1,3-Dichlorobenzene	541-73-1	<3855U	<2310U	<1910U	<9442U	
1,4-Dichlorobenzene	106-46-7	<3855U	<2310U	<1910U	<9442U	
Benzyl alcohol	100-51-6	<3855U	<2310U	<1910U	<9442U	
1,2-Dichlorobenzene	95-50-1	<3855U	<2310U	<1910U	<9442U	
2-Methylphenol	95-48-7	<3855U	<2310U	<1910U	<9442U	
Bis(2-chloroisopropyl)ether	39638-32-9	<3855U	<2310U	<1910U	<9442U	
4-Methylphenol	106-44-5	<3855U	<2310U	<1910U	<9442U	
N-Nitroso-di-n-propylamine	621-64-7	<3855U	<2310U	<1910U	<9442U	
Hexachloroethane	67-72-1	<3855U	<2310U	<1910U	<9442U	
Nitrobenzene	98-95-3	<3855U	<2310U	<1910U	<9442U	
Isophorone	78-59-1	<3855U	<2310U	<1910U	<9442U	
2-Nitrophenol	88-75-5	<3855U	<2310U	<1910U	<9442U	
2,4-Dimethylphenol	105-67-9	<19276U	<11552U	<9551U	<47210U	
Benzoic acid	65-85-0	<3855U	<2310U	<1910U	<9442U	
Bis(2-chloroethoxy)methane	111-91-1	<3855U	<2310U	<1910U	<9442U	
2,4-Dichlorophenol	120-83-2	<3855U	<2310U	<1910U	<9442U	
1,2,4-Trichlorobenzene	120-82-1	<3855U	<2310U	<1910U	<9442U	
4-Chloroaniline	106-47-8	<3855U	<2310U	<1910U	<9442U	
Hexachlorobutadiene	87-68-3	<3855U	<2310U	<1910U	<9442U	
4-Chloro-3-methylphenol	59-50-7	<3855U	<2310U	<1910U	<9442U	
2-Methylnaphthalene	91-57-6	<3855U	<2310U	<1910U	<9442U	
Hexachlorocyclopentadiene	77-47-4	<3855U	<2310U	<1910U	<9442U	
2,4,6-Trichlorophenol	88-06-2	<3855U	<2310U	<1910U	<9442U	
2,4,5-Trichlorophenol	95-95-4	<19276U	<11552U	<9551U	<47210U	
2-Chloronaphthalene	91-58-7	<3855U	<2310U	<1910U	<9442U	
2-Nitroaniline	88-74-4	<19276U	<11552U	<9551U	<47210U	
Dimethyl phthalate	131-11-3	<3855U	<2310U	<1910U	<9442U	
2,6-Dinitrotoluene	606-20-2	<19276U	<11552U	<9551U	<47210U	
3-Nitroaniline	99-09-2	<19276U	<11552U	<9551U	<47210U	
N-Nitrosodimethylamine	62-75-9	<3855U	<2310U	<1910U	<9442U	
2,4-Dinitrophenol	51-28-5	<19276U	<11552U	<9551U	<47210U	
4-Nitrophenol	100-02-7	<19276U	<11552U	<9551U	<47210U	
Dibenzofuran	132-64-9	<3855U	<2310U	<1910U	<9442U	
2,4-Dinitrotoluene	121-14-2	<3855U	<2310U	<1910U	<9442U	
Diethylphthalate	84-66-2	<3855U	<2310U	<1910U	<9442U	
4-Chlorophenyl-phenylether	7005-72-3	<3855U	<2310U	<1910U	<9442U	
4-Nitroaniline	100-01-6	<19276U	<11552U	<9551U	<47210U	
4,6-Dinitro,2-methylphenol	534-52-1	<19276U	<11552U	<9551U	<47210U	
N-Nitrosodiphenylamine	86-30-6	<3855U	<2310U	<1910U	<9442U	
4-Bromophenyl-phenylether	101-55-3	<3855U	<2310U	<1910U	<9442U	
Hexachlorobenzene	118-74-1	<3855U	<2310U	<1910U	<9442U	
Pentachlorophenol	87-86-5	<19276U	<11552U	<9551U	<47210U	
Di-n-butyl phthalate	84-74-2	<3855U	<2310U	<1910U	<9442U	
Butylbenzylphthalate	85-68-7	<3855U	<2310U	<1910U	<9442U	
3,3'-Dichlorobenzidine	91-94-1	<7710U	<4621U	<3821U	<18884U	
Bis(2-ethylhexyl)phthalate	117-81-7	<3855U	<2310U	<1910U	<9442U	
Di-n-octyl phthalate	117-84-0	<3855U	<2310U	<1910U	<9442U	
Azobenzene	103-33-3	<19276U	<11552U	<9551U	<47210U	
Naphthalene	91-20-3	<3855U	<2310U	<1910U	<9442U	
Acenaphthylene	208-96-8	<3855U	<2310U	<1910U	<9442U	
Acenaphthene	83-32-9	<3855U	<2310U	<1910U	<9442U	
Fluorene	86-73-7	<3855U	<2310U	<1910U	<9442U	
Phenanthrene	85-01-8	<3855U	<2310U	<1910U	<9442U	
Anthracene	120-12-7	<3855U	<2310U	<1910U	<9442U	
Fluoranthene	206-44-0	<3855U	<2310U	<1910U	<9442U	
Pyrene	129-00-0	<3855U	<2310U	<1910U	<9442U	
Benzo(a)anthracene	56-55-3	<3855U	<2310U	<1910U	<9442U	
Chrysene	218-01-9	<3855U	<2310U	<1910U	<9442U	
Benzo(b)fluoranthene	205-99-2	<3855U	<2310U	<1910U	<9442U	
Benzo(k)fluoranthene	207-08-9	<3855U	<2310U	<1910U	<9442U	
Benzo(a)pyrene	50-32-8	<3855U	<2310U	<1910U	<9442U	
Indeno(1,2,3-cd)pyrene	193-39-5	<3855U	<2310U	<1910U	<9442U	
Dibenzo(a,h)anthracene	53-70-3	<3855U	<2310U	<1910U	<9442U	
Benzo(g,h,i)perylene	191-24-2	<3855U	<2310U	<1910U	<9442U	
Sum of PAHs		0	0	0	0	
Sum of Carcinogenic PAHs		0	0	0	0	

Table 7-6
VOC Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

REIEC

Analyte	CAS NO.	PQL	SED-1	SED-2	SED-3	SED-3
Sample location:		PQL	SED-1	SED-2	SED-3	SED-3
Sample no:		PQL-TVP	SED-1	SED-2	SED-3	SED-10
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Sediment	Sediment	Sediment	Sediment	Sediment
Sample Date:		/ /	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Method:		EPA8240	EPA8240	EPA8240	EPA8240	EPA8240
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	10	<11U	<12U	<11U	<11U
Bromomethane	74-83-9	10	<11U	<12U	<11U	<11U
Vinyl chloride	75-01-4	10	<11U	<12U	<11U	<11U
Chloroethane	75-00-3	10	<11U	<12U	<11U	<11U
Methylene chloride	75-09-2	5	3JB	3JB	5J	3JB
Acrolein	107-02-8	10	<11U	<12U	<11U	<11U
Acrylonitrile	107-13-1	10	<11U	<12U	<11U	<11U
Acetone	67-64-1	5	5J	<6U	5J	5J
Carbon disulfide	75-15-0	5	<5U	<6U	<6U	<6U
1,1-Dichloroethene	75-35-4	5	<5U	<6U	<6U	<6U
1,1-Dichloroethane	75-34-3	5	<5U	<6U	<6U	<6U
1,2-Dichloroethene	540-59-0	5	<5U	<6U	<6U	<6U
Chloroform	67-66-3	5	<5U	<6U	<6U	<6U
1,2-Dichloroethane	107-06-2	5	<5U	<6U	<6U	<6U
2-Butanone	78-93-3	5	<11U	<12U	<11U	<11U
1,1,1-Trichloroethane	71-55-6	5	<5U	<6U	<6U	<6U
Carbon tetrachloride	56-23-5	5	<5U	<6U	<6U	<6U
Vinyl acetate	108-05-4	5	<11U	<12U	<11U	<11U
Bromodichloromethane	75-27-4	5	<5U	<6U	<6U	<6U
1,2-Dichloropropane	78-87-5	5	<5U	<6U	<6U	<6U
cis-1,3-Dichloropropene	10061-01-5	5	<5U	<6U	<6U	<6U
Trichloroethene	79-01-6	5	<5U	<6U	<6U	<6U
Dibromochloromethane	124-48-1	5	<5U	<6U	<6U	<6U
1,1,2-Trichloroethane	79-00-5	5	<5U	<6U	<6U	<6U
trans-1,3-Dichloropropene	10061-02-6	5	<5U	<6U	<6U	<6U
2-Chloroethylvinyl ether	110-75-8	5	<5U	<6U	<6U	<6U
Bromoform	75-25-2	5	<5U	<6U	<6U	<6U
4-Methyl-2-pentanone	108-10-1	10	<11U	<12U	<11U	<11U
2-Hexanone	591-78-6	10	<11U	<12U	<11U	<11U
Tetrachloroethene	127-18-4	5	<5U	<6U	<6U	<6U
1,1,2,2-Tetrachloroethane	79-34-5	5	<5U	<6U	<6U	<6U
Chlorobenzene	108-90-7	5	<5U	<6U	<6U	<6U
Styrene	100-42-5	5	<5U	<6U	<6U	<6U
Benzene	71-43-2	5	<5U	<6U	<6U	<6U
Toluene	108-88-3	5	<5U	<6U	<6U	<6U
Ethylbenzene	100-41-4	5	<5U	<6U	<6U	<6U
Total xylenes	1330-20-7	5	<5U	<6U	<6U	<6U

Table 7-6
VOC Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.					
	Sample location:	SED-4	SED-5	SED-6	SED-7	
	Sample no:	SED-4	SED-5	SED-6	SED-7	
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	
	Matrix:	Sediment	Sediment	Sediment	Sediment	
	Sample Date:	10/07/93	10/07/93	10/07/93	10/07/93	
	Type:	Primary	Primary	Primary	Primary	
	Method:	EPA8240	EPA8240	EPA8240	EPA8240	
Volatile Organic Compounds(ug/Kg)						
Chloromethane	74-87-3	<58U	<12U	<14U	<14U	
Bromomethane	74-83-9	<58U	<12U	<14U	<14U	
Vinyl chloride	75-01-4	<58U	<12U	<14U	<14U	
Chloroethane	75-00-3	<58U	<12U	<14U	<14U	
Methylene chloride	75-09-2	**28JB**	**5JB**	**6JB**	**6JB**	
Acrolein	107-02-8	<58U	<12U	<14U	<14U	
Acrylonitrile	107-13-1	<58U	<12U	<14U	<14U	
Acetone	67-64-1	**44B**	**7B**	**9B**	<7U	
Carbon disulfide	75-15-0	<29U	<6U	<7U	<7U	
1,1-Dichloroethene	75-35-4	<29U	<6U	<7U	<7U	
1,1-Dichloroethane	75-34-3	<29U	<6U	<7U	<7U	
1,2-Dichloroethene	540-59-0	<29U	<6U	<7U	<7U	
Chloroform	67-66-3	<29U	<6U	<7U	<7U	
1,2-Dichloroethane	107-06-2	<29U	<6U	<7U	<7U	
2-Butanone	78-93-3	<58U	<12U	<14U	<14U	
1,1,1-Trichloroethane	71-55-6	<29U	<6U	<7U	<7U	
Carbon tetrachloride	56-23-5	<29U	<6U	<7U	<7U	
Vinyl acetate	108-05-4	<58U	<12U	<14U	<14U	
Bromodichloromethane	75-27-4	<29U	<6U	<7U	<7U	
1,2-Dichloropropane	78-87-5	<29U	<6U	<7U	<7U	
cis-1,3-Dichloropropene	10061-01-5	<29U	<6U	<7U	<7U	
Trichloroethene	79-01-6	<29U	<6U	<7U	<7U	
Dibromochloromethane	124-48-1	<29U	<6U	<7U	<7U	
1,1,2-Trichloroethane	79-00-5	<29U	<6U	<7U	<7U	
trans-1,3-Dichloropropene	10061-02-6	<29U	<6U	<7U	<7U	
2-Chloroethylvinyl ether	110-75-8	<29U	<6U	<7U	<7U	
Bromoform	75-25-2	<29U	<6U	<7U	<7U	
4-Methyl-2-pentanone	108-10-1	<58U	<12U	<14U	<14U	
2-Hexanone	591-78-6	**320**	**20**	<14U	<14U	
Tetrachloroethene	127-18-4	<29U	<6U	<7U	<7U	
1,1,2,2-Tetrachloroethane	79-34-5	<29U	<6U	<7U	<7U	
Chlorobenzene	108-90-7	<29U	<6U	<7U	<7U	
Styrene	100-42-5	<29U	<6U	<7U	<7U	
Benzene	71-43-2	<29U	<6U	<7U	<7U	
Toluene	108-88-3	<29U	<6U	<7U	<7U	
Ethylbenzene	100-41-4	<29U	<6U	<7U	<7U	
Total xylenes	1330-20-7	<29U	<6U	<7U	<7U	

Table 7-7
Metals Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	PQL	SED-1	SED-2	SED-3	SED-3
Sample location:		PQL	SED-1	SED-2	SED-3	SED-3
Sample no:		PQL-METAL	SED-1	SED-2	SED-3	SED-10
Depth(ft):		0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0
Matrix:		Sediment	Sediment	Sediment	Sediment	Sediment
Sample Date:		/ /	10/07/93	10/07/93	10/07/93	10/07/93
Type:		Primary	Primary	Primary	Primary	Duplicate
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	1.0	<1U	<1.1U	<1U	<1.1U
Beryllium	7440-41-7	0.05	<0.5U	<0.5U	<0.5U	<0.5U
Cadmium	7440-43-9	0.5	<0.6U	<0.6U	<0.6U	<0.6U
Copper	7440-50-8	1.0	15.5	13.7	10.9	15.7
Mercury	7439-97-6	0.01	<0.02U	<0.02U	<0.02U	<0.02U
Nickel	7440-02-0	2.0	33.5	22.2	17.6	25.6
Antimony	7440-36-0	0.01	<0.2U	<0.2U	<0.2U	<0.2U
Selenium	7782-49-2	0.10	<0.1U	<0.1U	<0.1U	<0.1U
Thallium	7440-28-0	0.20	<0.2U	0.2	<0.2U	<0.2U
Zinc	7440-66-6	1.0	40.4	42.1	30.2	32.4
Arsenic	7440-38-2	0.10	6	50	3	10
Chromium	7440-47-3	1.0	34	22.9	19.7	25.2
Lead	7439-92-1	2.0	8.3	6.1	2.8	4.4

Table 7-7
Metals Analytical Results - Sediment
BNRR Maintenance And Fueling Facility
Skykomish, Washington

Analyte	CAS NO.	SED-4	SED-5	SED-6	SED-7	
	Sample location:	SED-4	SED-5	SED-6	SED-7	
	Sample no:	SED-4	SED-5	SED-6	SED-7	
	Depth(ft):	0.0-0.0	0.0-0.0	0.0-0.0	0.0-0.0	
	Matrix:	Sediment	Sediment	Sediment	Sediment	
	Sample Date:	10/07/93	10/07/93	10/07/93	10/07/93	
	Type:	Primary	Primary	Primary	Primary	
Total Metals - EPA 6010(mg/Kg)						
Silver	7440-22-4	<1.1U	<1.2U	<1.4U	<3U	
Beryllium	7440-41-7	<0.1U	<0.6U	<0.7U	<1.5U	
Cadmium	7440-43-9	<0.6U	<0.6U	<0.7U	<1.5U	
Copper	7440-50-8	13.2	14.4	36.4	34.6	
Mercury	7439-97-6	<0.02U	<0.02U	0.05	0.04	
Nickel	7440-02-0	19.4	18.3	39.9	24	
Antimony	7440-36-0	<0.2U	<0.2U	<0.2U	<0.2U	
Selenium	7782-49-2	<0.1U	<0.1U	<0.1U	0.1	
Thallium	7440-28-0	0.3	<0.2U	<0.3U	<0.3U	
Zinc	7440-66-6	34	33.6	105	150	
Arsenic	7440-38-2	5	2	8	20	
Chromium	7440-47-3	26	20	30.1	24.3	
Lead	7439-92-1	2.7	4.5	26.8	64.1	

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TABLE 7-8
PCB ANALYTICAL RESULTS - SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

COMPOUND			PCBs (EPA Method 8080)																				
			Aroclor 1016			Aroclor 1221			Aroclor 1232			Aroclor 1242			Aroclor 1248			Aroclor 1254			Aroclor 1260		
Sample ID	Laboratory Sample ID	Sample Date	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q	Conc. (µg/kg)	MDL	Q
Sediments																							
SED-1	588-2927	10/7/93		85	U		85	U		85	U		85	U		85	U		170	U		170	U
SED-2	588-2928	10/7/93		92	U		92	U		92	U		92	U		92	U		185	U		185	U
SED-3	588-2930	10/7/93		89	U		89	U		89	U		89	U		89	U		177	U		177	U
SED-10 (SED-3 Dup)	588-2929	10/7/93		89	U		89	U		89	U		89	U		89	U		178	U		178	U
SED-4	588-2931	10/7/93		93	U		93	U		93	U		93	U		93	U		187	U		187	U
SED-5	588-2932	10/7/93		93	U		93	U		93	U		93	U		93	U		187	U		187	U
SED-6	588-2933	10/7/93		116	U		116	U		116	U		116	U		116	U		232	U		232	U
SED-7	590-2936	10/7/93		114	U		114	U		114	U		114	U		114	U		229	U		229	U

TABLE 8-1
AIR MONITORING RESULTS FROM DRILLING AND SOIL SAMPLING
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Date and Time	Sampling Location	PID Reading (ppm)	Field Activity
9/29/93			
1139	Breathing Zone[1]	0.0	HSA[2] Drilling through LNAPL @ B-10
1148	Breathing Zone	0.0	HSA Drilling through LNAPL @ B-10
1148	**Ground Surface**	**3.0**	**HSA Drilling through LNAPL @ B-10**
1159	Breathing Zone	0.0	Well Installation @ B-10
1159	Ground Surface	0.0	Well Installation @ B-10
1540	Breathing Zone	0.0	Surface Soil Sampling @ SS-28
9/30/93			
0935	Breathing Zone	0.0	Surface Soil Sampling @ SS-30
0953	Breathing Zone	0.0	Surface Soil Sampling @ SS-32
1009	Breathing Zone	0.0	Surface Soil Sampling @ SS-31
1042	Breathing Zone	0.0	Surface Soil Sampling @ SS-29
1102	Breathing Zone	0.0	Surface Soil Sampling @ SS-27
1127	Breathing Zone	0.0	Surface Soil Sampling @ SS-13
1302	Breathing Zone	0.0	Surface Soil Sampling @ SS-14
1322	Breathing Zone	0.0	Surface Soil Sampling @ SS-15
1342	Breathing Zone	0.0	Surface Soil Sampling @ SS-16
1402	Breathing Zone	0.0	Surface Soil Sampling @ SS-18
1433	Breathing Zone	0.0	Surface Soil Sampling @ SS-17
1451	Breathing Zone	0.0	Surface Soil Sampling @ SS-19
1506	Breathing Zone	0.0	Surface Soil Sampling @ SS-19.1
1624	Breathing Zone	0.0	Surface Soil Sampling @ SS-21
1705	Breathing Zone	0.0	Surface Soil Sampling @ SS-23
1721	Breathing Zone	0.0	Surface Soil Sampling @ SS-24
10/01/93			
1136	Breathing Zone	0.0	Surface Soil Sampling @ BG-1
1158	Breathing Zone	0.0	Surface Soil Sampling @ SS-20
1219	Breathing Zone	0.0	Surface Soil Sampling @ SS-26
10/07/93			
1112	Breathing Zone	0.0	Sediment Sampling @ SED-1
1146	Breathing Zone	0.0	Sediment Sampling @ SED-2
1210	Breathing Zone	0.0	Sediment Sampling @ SED-3
1250	**Breathing Zone**	**0.5**	**Sediment Sampling @ SED-4. Free Product**
1325	**Breathing Zone**	**1.0**	**Sediment Sampling @ SED-5. Free Product**
1405	Breathing Zone	0.0	Sediment Sampling @ SED-6
1425	Breathing Zone	0.0	Sediment Sampling @ SED-7
1505	Breathing Zone	0.0	Hand Auger Sampling @ HA-2
1540	Breathing Zone	0.0	Hand Auger Sampling @ HA-1
1615	Breathing Zone	0.0	Hand Auger Sampling @ HA-4
1645	Breathing Zone	0.0	Hand Auger Sampling @ HA-3

TABLE 8-1 (Continued)
AIR MONITORING RESULTS FROM DRILLING AND SOIL SAMPLING
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Date and Time	Sampling Location	PID Reading (ppm)	Field Activity
10/18/93			
1147	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ B-10B
10/19/93			
0917	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ B-6
0917	Cyclone	0.0	Air Rotary Drilling through LNAPL @ B-6
1200	Breathing Zone	0.0	Air Rotary Drilling @ MW-39
1225	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ MW-39
1227	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ MW-39
10/20/93			
1237	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ B-8
1548	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ DW-4B
10/21/93			
1545	Breathing Zone	0.0	Air Rotary Drilling through LNAPL @ MW-36
10/22/93			
0818	Breathing Zone	0.0	Air Rotary Drilling @ MW-37
1528	**Top of Casing**	**6.0**	**Air Rotary Drilling through LNAPL @ B-7**

NOTES: [1] Breathing Zone is 5 to 6 feet above ground level
[2] HSA = Hollow Stem Auger

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TABLE 8-2
AIR MONITORING RESULTS FROM GROUNDWATER SAMPLING/GAUGING EVENTS
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

WELL NUMBER	SAMPLING/GAUGING EVENT		
	NOV. 1993 PID READING [1] (ppm)	DEC. 1993 PID READING [2] (ppm)	JUN. 1994 PID READING [3] (ppm)
MW-1	BBG	BBG	BBG
MW-2	NR	BBG	BBG
MW-3	NR	BBG	BBG
MW-4	NR	BBG	BBG
MW-5	NR	BBG	BBG
MW-6	NR	BBG	6
MW-7	NR	BBG	BBG
MW-8	NR	1	12
MW-9	NR	BBG	BBG
MW-10	NR	BBG	BBG
MW-11	NR	5	BBG
MW-12	NR	BBG	BBG
MW-13	BBG	BBG	BBG
MW-14	BBG	BBG	BBG
MW-15	NR	BBG	BBG
MW-16	28	BBG	BBG
MW-17	NR	7	12
MW-18	NR	BBG	BBG
MW-19	BBG	BBG	BBG
MW-20	NR	1	NR
MW-21	NR	7	30
MW-22	NR	NR	9
MW-23	NR	NR	BBG
MW-24	NR	NR	BBG
MW-25	NR	NR	7.5
MW-26	NR	NR	NR
MW-27	NR	NR	NR
MW-28	NR	BBG	BBG
MW-29	NR	BBG	BBG
MW-30	BBG	BBG	BBG
MW-31	BBG	BBG	BBG
MW-32	BBG	BBG	BBG
MW-33	BBG	BBG	BBG
MW-34	BBG	BBG	BBG
MW-35	BBG	BBG	BBG
MW-36	NR	BBG	BBG
MW-37	NR	NR	3
MW-38	BBG	NR	BBG
MW-39	BBG	4	10.6
MW-40	BBG	BBG	BBG
DW-1	BBG	BBG	BBG
DW-2	BBG	BBG	BBG
DW-3	BBG	BBG	BBG
DW-4	BBG	BBG	BBG
DW-5	BBG	BBG	BBG

NOTES:

BBG = below background levels
NR = no measurement taken
[1] no background value supplied
[2] background was 0.9 ppm
[3] background was 1.5 ppm

TABLE 8-3
ESTIMATED AIR CONCENTRATIONS FOR THE BNRR FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON

Compound	South Site Surface Soil Exposure Concentration				North Site Surface Soil Exposure Concentration			
	95% UCL µg/kg	Volatiles mg/m³	Dust mg/m³	Total mg/m³	95% UCL µg/kg	Volatiles mg/m³	Dust mg/m³	Total mg/m³
Antimony	1800	0.00E+00	1.49E-09	1.49E-09	149	0.00E+00	1.23E-10	1.23E-10
Arsenic	15500	2.42E-09	1.28E-08	1.52E-08	0	0.00E+00	0.00E+00	0.00E+00
Beryllium	642	0.00E+00	5.30E-10	5.30E-10	0	0.00E+00	0.00E+00	0.00E+00
Cadmium	845	1.38E-12	6.98E-10	6.99E-10	0	0.00E+00	0.00E+00	0.00E+00
Chromium	30800	4.80E-09	2.54E-08	3.02E-08	42600	6.65E-09	3.52E-08	4.18E-08
Copper	95100	1.48E-08	7.85E-08	9.33E-08	36200	5.65E-09	2.99E-08	3.55E-08
Lead	488000	3.55E-09	4.03E-07	4.07E-07	730000	5.31E-09	6.03E-07	6.08E-07
Mercury	75	1.53E-05	6.19E-11	1.53E-05	90	1.84E-05	7.43E-11	1.84E-05
Nickel	32400	0.00E+00	2.67E-08	2.67E-08	33500	0.00E+00	2.77E-08	2.77E-08
Selenium	159	0.00E+00	1.31E-10	1.31E-10	178	0.00E+00	1.47E-10	1.47E-10
Thallium	149	0.00E+00	1.23E-10	1.23E-10	0	0.00E+00	0.00E+00	0.00E+00
Zinc	164000	2.56E-08	1.35E-07	1.61E-07	164000	2.56E-08	1.35E-07	1.61E-07
Aroclor 1254	171	2.25E-07	1.41E-10	2.25E-07	0	0.00E+00	0.00E+00	0.00E+00
Aroclor 1260	90.7	1.20E-07	7.49E-11	1.20E-07	0	0.00E+00	0.00E+00	0.00E+00
2-Methylnaphthalene	2292	8.26E-05	1.89E-09	8.26E-05	0	0.00E+00	0.00E+00	0.00E+00
Phenanthrene	2050	4.02E-06	6.98E-11	4.02E-06	0	0.00E+00	0.00E+00	0.00E+00
Di-n-butyl phthalate	115	2.81E-09	9.49E-11	2.90E-09	0	0.00E+00	0.00E+00	0.00E+00
Butyl benzyl phthalate	300	5.82E-05	2.48E-10	5.82E-05	0	0.00E+00	0.00E+00	0.00E+00
Di-n-octyl phthalate	337	0.00E+00	2.78E-10	2.78E-10	0	0.00E+00	0.00E+00	0.00E+00
Toluene	223	4.89E-06	7.60E-12	4.89E-06	0	0.00E+00	0.00E+00	0.00E+00
Ethylbenzene	768	8.25E-06	2.62E-11	8.25E-06	0	0.00E+00	0.00E+00	0.00E+00
Xylenes	962	1.29E-05	1.09E-11	1.29E-05	0	0.00E+00	0.00E+00	0.00E+00

TABLE 11-1
SUMMARY OF PRE-RI AND RI SOIL SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Location	Date Sampled	TPH EPA 418.1	TPH as Diesel EPA 8015 mod.	TPH as Gasoline EPA 8015 mod.	Total Metals EPA 6010/7000	PCBs EPA 8080	Semivolatiles EPA 8270	Volatiles EPA 8240 EPA 8020*
SOUTH SITE								
TP1-1	11/8/91				X			
TP2-1	11/8/91				X			
TP-2-5-10	11/08/91	X			X			
B1-4	11/7/91				X			
B1-12.5	11/04/91	X	X					
B2-4	11/7/91				X			
B2-9.5	11/05/91	X	X					
B3-4	11/7/91				X			
B3-14.5	11/05/91	X	X					
B4-0	9/28/93				X	X		
B4-2	9/28/93					X		
B4-10	9/28/93	X				X	X	X
B5-0	10/24/93				X	X		
B5-7	10/24/93	X					X	
B6-0	10/18/93				X	X		
B6-8	10/18/93	X	X				X	X
B6-10.5	10/19/93	X	X		X	X	X	
B7-0	10/22/93				X	X		
B7-11	10/22/93	X	X					
B8-0	10/20/93				X	X		
B8-12	10/20/93	X	X					
B9-0	10/18/93				X	X		
B9-7.5	10/18/93	X	X				X	X
B9-12.5	10/18/93	X						
B10-0	9/29/93				X	X		
B10-10	9/29/93	X	X					
B10-15	9/29/93	X	X					
B12-0	10/29/93				X			
B12-7.5	10/29/93	X	X	X			X	X
B12-12.5	10/29/93	X						
MW1-3.5	09/17/90	X	X					BTEX
MW2-9.5	09/18/90	X	X					BTEX
MW3-9.5	09/18/90	X	X					BTEX
MW4-9.5	09/18/90	X	X					BTEX
MW5-4	09/19/90	X	X					BTEX
MW6-9	09/19/90	X						
MW6-14	09/19/90	X	X					BTEX
MW7-9	09/19/90	X	X					BTEX
MW8-2	09/19/90	X	X					BTEX
MW9-4	09/20/90	X	X					BTEX
MW10-9	09/20/90	X	X					BTEX
MW11-9	09/20/90	X	X					BTEX
MW12-9.5	09/20/90	X	X					
MW13-9.5	09/20/90	X	X					
MW14-4	09/21/90	X	X					BTEX
MW15-4	09/21/90	X	X					
MW15-9.5	09/21/90	X	X					BTEX
MW16-4	09/21/90	X	X					BTEX
MW17-9.5	09/24/90	X	X					
MW18-4	09/24/90	X	X					BTEX
MW19-4	09/26/90	X	X					BTEX
MW20-4	09/26/90	X	X					
MW21-9	09/25/90	X	X					
MW29-4	11/7/91				X			
MW29-11.5	11/05/91	X	X					

TABLE 11-1 (Continued)
SUMMARY OF PRE-RI AND RI SOIL SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Location	Date Sampled	TPH EPA 418.1	TPH as Diesel EPA 8015 mod.	TPH as Gasoline EPA 8015 mod.	Total Metals EPA 6010/7000	PCBs EPA 8080	Semivolatiles EPA 8270	Volatiles EPA 8240 EPA 8020*
MW30-4	11/06/91	X	X		X			
MW30-4	11/7/91				X			
MW31-4	11/7/91							
MW31-4.5	11/06/91	X	X					
MW31-14.5	11/06/91	X	X					
MW32-8(TP-1-4)	11/08/91	X						
MW33-0	9/28/93				X			
MW33-2.5	9/28/93	X	X	X			X	
MW33-5	9/28/93							X
MW33-12.5	9/28/93	X						
MW34-0	9/28/93				X			
MW34-7.5	9/28/93							X
MW34-10	9/28/93	X	X				X	
MW37-0	10/21/93				X			
MW37-7.5	10/22/93	X	X	X				X
MW37-12.5	10/24/93		X					
MW38-0	10/23/93				X			
MW38-7.5	10/24/93	X	X					X
MW39-0	10/19/93				X			
MW39-6	10/19/93	X	X	X			X	X
MW39-10	10/18/93	X	X					
MW40-0	9/27/93				X			
MW40-5	9/27/93		X	X		X	X	X
MW40-12.5	9/27/93	X						
DW1-0	9/28/93				X			
DW1-5	9/28/93	X	X					
DW2-0	9/27/93				X	X		
DW2-2	9/27/93					X		
DW2-5	9/27/93	X	X				X	
DW2-10	9/27/93							X
DW2-12.5	9/27/93	X						
DW3-0	9/29/93	X			X	X		
DW3-2	9/29/93					X		
DW3-7.5	9/29/93	X	X					
SS4-0.5	10/4/90				X			
SS5-0.5	10/4/90				X			
SS-7	04/11/91					X		
SS-8	04/11/91					X		
SS-9	04/11/91					X		
SS10-0	4/11/91				Lead only			
SS11-0	4/11/91				Lead only			
SS13-0	9/30/93	X			X	X		
SS14-0	9/30/93	X			X	X		
SS15-0	9/30/93	X			X	X		
SS16-0	9/30/93	X			X	X		
SS17-0	9/30/93	X			X	X		
SS18-0	9/30/93	X			X	X		
SS19-0	9/30/93	X			X	X		
SS19.1-0	9/30/93	X			X	X		
SS20-0	10/1/93	X			X	X		
SS21-0	9/30/93	X			X	X		
SS22-0	9/30/93	X			X	X		
SS23-0	9/30/93	X			X	X		
SS24-0	9/30/93	X			X	X		
SS25-0	10/1/93	X			X	X		

TABLE 11-1 (Continued)
SUMMARY OF PRE-RI AND RI SOIL SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Location	Date Sampled	TPH EPA 418.1	TPH as Diesel EPA 8015 mod.	TPH as Gasoline EPA 8015 mod.	Total Metals EPA 6010/7000	PCBs EPA 8080	Semivolatiles EPA 8270	Volatiles EPA 8240 EPA 8020*
SS26-0	10/1/93	X			X	X		
SS27-0	9/30/93	X			X	X		
SS28-0	9/29/93	X			X	X		
SS29-0	9/30/93	X			X	X		
SS30-0	9/30/93	X			X	X		
SS31-0	9/30/93	X			X	X		
SS32-0	9/30/93	X			X	X		
NORTH SITE								
B11-0	9/27/93				X			
B110-0	9/27/93				X			
B11-5	9/27/93	X	X					
B11-10	9/27/93	X						
MW22-4.5	09/24/90	X	X					BTEX
MW23-4	09/25/90	X	X					
MW24-4.5	09/25/90	X	X					BTEX
MW25-4	09/25/90	X	X					BTEX
MW26-9.5	09/26/90	X	X					
MW27-4.5	09/26/90	X	X					
MW35-0	9/28/93				X			
MW35-7.5	9/28/93							X
MW35-10	9/28/93	X	X					
MW36-0	10/21/93				X			
MW36-6	10/21/93	X	X					X
MW36-7.5	10/21/93	X	X					
DW4-0	9/27/93				X			
DW4-2.5	9/27/93	X	X					
DW4-7.5	9/27/93	X	X					
DW5-0	10/23/93				X			
DW5-12	10/23/93	X	X					
HA1-2	10/7/93	X			X		X	X
HA2-1	10/7/93	X					X	X
HA3-1	10/7/93	X			X		X	X
HA4-0	10/7/93	X			X		X	X
BACKGROUND								
BG1-0	10/1/93	X			X	X		
BG2-0	9/30/93	X			X	X		

NOTES:

* EPA 8020 is the analytical method for BTEX (Benzene/Toluene/Ethylbenzene/Xylene)

TABLE 11-2
SUMMARY OF DATA
NORTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
TOTAL METALS (mg/kg)								
Antimony	8	2	6	0.100	0.300	0.1	0.2	DW4-0
Arsenic	8	7	1	0.200	0.200	0.1	12	HA3-1
Beryllium	8	0	8	0.500	1.200	ND	ND	ND
Cadmium	8	0	8	0.500	1.200	ND	ND	ND
Chromium	8	8	0	NA	NA	24.3	58.3	HA3-1
Copper	8	8	0	NA	NA	16.6	41.6	HA4-0
Lead	8	8	0	NA	NA	3.6	1,897	B11-0
Mercury	8	5	3	0.020	0.020	0.02	0.16	B11-0
Nickel	8	8	0	NA	NA	22	37.8	HA3-1
Selenium	8	3	5	0.100	0.200	0.1	0.3	B11-0
Silver	8	0	8	1.000	2.400	ND	ND	ND
Thallium	8	0	8	0.200	0.200	ND	ND	ND
Zinc	8	8	0	NA	NA	34.7	222	HA4-0
SEMIVOLATILES (μg/kg)								
Phenol	4	0	4	346	2791	ND	ND	ND
bis-(2-Chloroethyl)ether	4	0	4	346	2791	ND	ND	ND
2-Chlorophenol	4	0	4	346	2791	ND	ND	ND
1,3-Dichlorobenzene	4	0	4	346	2791	ND	ND	ND
1,4-Dichlorobenzene	4	0	4	346	2791	ND	ND	ND
Benzyl Alcohol	4	0	4	346	2791	ND	ND	ND
1,2-Dichlorobenzene	4	0	4	346	2791	ND	ND	ND
2-Methylphenol	4	0	4	346	2791	ND	ND	ND
bis(2-Chloroisopropyl)ether	4	0	4	346	2791	ND	ND	ND
4-Methylphenol	4	0	4	346	2791	ND	ND	ND
N-Nitroso-di-n-propylamine	4	0	4	346	2791	ND	ND	ND
Hexachloroethane	4	0	4	346	2791	ND	ND	ND
Nitrobenzene	4	0	4	346	2791	ND	ND	ND
Isophorone	4	0	4	346	2791	ND	ND	ND
2-Nitrophenol	4	0	4	346	2791	ND	ND	ND
2,4-Dimethylphenol	4	0	4	1730	13953	ND	ND	ND
Benzoic Acid	4	0	4	346	2791	ND	ND	ND
bis(2-Chloroethoxy)methane	4	0	4	346	2791	ND	ND	ND
2,4-Dichlorophenol	4	0	4	346	2791	ND	ND	ND
1,2,4-Trichlorobenzene	4	0	4	346	2791	ND	ND	ND
Naphthalene	4	0	4	346	2791	ND	ND	ND
4-Chloroaniline	4	0	4	346	2791	ND	ND	ND
Hexachlorobutadiene	4	0	4	346	2791	ND	ND	ND
4-Chloro-3-methylphenol	4	0	4	346	2791	ND	ND	ND
2-Methylnaphthalene	4	0	4	346	2791	ND	ND	ND
Hexachlorocylopentadiene	4	0	4	346	2791	ND	ND	ND
2,4,6-Trichlorophenol	4	0	4	346	2791	ND	ND	ND
2,4,5-Trichlorophenol	4	0	4	1730	13953	ND	ND	ND
2,Chloronaphthalene	4	0	4	346	2791	ND	ND	ND
2-Nitroaniline	4	0	4	1730	13953	ND	ND	ND
Dimethyl phthalate	4	0	4	346	2791	ND	ND	ND
Acenaphthylene	4	0	4	346	2791	ND	ND	ND
2,6-Dinitrotoluene	4	0	4	1730	13953	ND	ND	ND
3-Nitroaniline	4	0	4	1730	13953	ND	ND	ND
2-Methyl-4,6-dinitrophenol	4	0	4	1730	13953	ND	ND	ND
N-nitrosodimethylamine	4	0	4	346	2791	ND	ND	ND
Azobenzene	4	0	4	1730	13953	ND	ND	ND
Acenaphthene	4	0	4	346	2791	ND	ND	ND
2,4-Dinitrophenol	4	0	4	1730	13953	ND	ND	ND

TABLE 11-2 (Continued)
SUMMARY OF DATA
NORTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
4-Nitrophenol	4	0	4	1730	13953	ND	ND	ND
Dibenzofuran	4	0	4	346	2791	ND	ND	ND
2,4-Dinitrotoluene	4	0	4	346	2791	ND	ND	ND
Diethylphthalate	4	0	4	346	2791	ND	ND	ND
4,Chlorophenyl-phenylether	4	0	4	346	2791	ND	ND	ND
Fluorene	4	0	4	346	2791	ND	ND	ND
4-Nitroaniline	4	0	4	1730	13953	ND	ND	ND
N-Nitrosodiphenylamine(1)	4	0	4	346	2791	ND	ND	ND
4-Bromophenyl-phenylether	4	0	4	346	2791	ND	ND	ND
Hexachlorobenzene	4	0	4	346	2791	ND	ND	ND
Pentachlorophenol	4	0	4	1730	13953	ND	ND	ND
Phenanthrene	4	0	4	346	2791	ND	ND	ND
Anthracene	4	0	4	346	2791	ND	ND	ND
Di-n-butylphthalate	4	0	4	346	2791	ND	ND	ND
Fluoranthene	4	0	4	346	2791	ND	ND	ND
Pyrene	4	0	4	346	2791	ND	ND	ND
Butylbenzylphthalate	4	0	4	346	2791	ND	ND	ND
3,3'-Dichlorobenzidine	4	0	4	692	5581	ND	ND	ND
Benzo(a)anthracene	4	0	4	346	2791	ND	ND	ND
Bis(2-ethylhexyl)phthalate	4	0	4	346	2791	ND	ND	ND
Chrysene	4	0	4	346	2791	ND	ND	ND
Di-n-octyl phthalate	4	0	4	346	2791	ND	ND	ND
Benzo(b)fluoranthene	4	0	4	346	2791	ND	ND	ND
Benzo(k)fluoranthene	4	0	4	346	2791	ND	ND	ND
Benzo(a)pyrene	4	0	4	346	2791	ND	ND	ND
Indeno(1,2,3-cd)pyrene	4	0	4	346	2791	ND	ND	ND
Dibenz(a,h)anthracene	4	0	4	346	2791	ND	ND	ND
Benzo(g,h,i)perylene	4	0	4	346	2791	ND	ND	ND
TPHs (mg/kg)								
WTPH by 418.1	12	5	7	101	119	90 J	27,000	DW4-7.5
WTPH as Diesel	13	10	3	5	26	17	12,172	DW4-7.5
VOLATILES (µg/kg)								
Chloromethane	6	0	6	10	53	ND	ND	ND
Bromomethane	6	0	6	10	53	ND	ND	ND
Vinyl Chloride	6	0	6	10	53	ND	ND	ND
Chloroethane	6	0	6	10	53	ND	ND	ND
Methylene Chloride	6	6	0	NA	NA	3 BJ	56 B	MW36-6
Acrolein	6	0	6	10	53	ND	ND	ND
Acrylonitrile	6	0	6	10	53	ND	ND	ND
Acetone	6	3	3	5	6	10 B	88 B	MW36-6
Carbon Disulfide	6	0	6	5	26	ND	ND	ND
1,1-Dichloroethene	6	0	6	5	26	ND	ND	ND
1,1-Dichloroethane	6	0	6	5	26	ND	ND	ND
Total-1,2-Dichloroethene	6	0	6	5	26	ND	ND	ND
Chloroform	6	0	6	5	26	ND	ND	ND
1,2-Dichloroethane	6	0	6	5	26	ND	ND	ND
2-Butanone	6	0	6	10	53	ND	ND	ND
1,1,1-Trichloroethane	6	0	6	5	26	ND	ND	ND
Carbon Tetrachloride	6	0	6	5	26	ND	ND	ND
Vinyl Acetate	6	0	6	10	53	ND	ND	ND
Bromodichloromethane	6	0	6	5	26	ND	ND	ND
1,2-Dichloropropane	6	0	6	5	26	ND	ND	ND
cis-1,3-Dichloropropene	6	0	6	5	26	ND	ND	ND
Trichloroethene	6	0	6	5	26	ND	ND	ND

TABLE 11-2 (Continued)
SUMMARY OF DATA
NORTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
Dibromochloromethane	6	0	6	5	26	ND	ND	ND
1,1,2-Trichloroethane	6	0	6	5	26	ND	ND	ND
Benzene	9	1	8	5	26	51	51	MW25-4
trans-1,3-dichloropropene	6	0	6	5	26	ND	ND	ND
2-chloroethylvinylether	6	0	6	5	26	ND	ND	ND
Bromoform	6	0	6	5	26	ND	ND	ND
4-Methyl-2-Pentanone	6	0	6	10	53	ND	ND	ND
2-Hexanone	6	0	6	10	53	ND	ND	ND
Tetrachloroethene	6	0	6	5	26	ND	ND	ND
1,1,2,2-Tetrachloroethane	6	0	6	5	26	ND	ND	ND
Toluene	9	0	9	5	26	ND	ND	ND
Chlorobenzene	6	0	6	5	26	ND	ND	ND
Ethylbenzene	9	0	9	5	26	ND	ND	ND
Styrene	6	0	6	5	26	ND	ND	ND
Xylene (total)	9	1	8	5	26	35	35	MW25-4

NOTES:

ND - Not detected
NA - Analytes were detected; see data for quantitation limits
One half the detection limit used in statistics.

TABLE 11-3
SUMMARY OF DATA
SOUTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
TOTAL METALS (mg/kg)								
Antimony	49	15	34	0.1	5	0.14	18	MW31-4
Arsenic	49	49	0	NA	NA	2.5	64	SS19-0
Beryllium	49	8	41	0.15	5.2	0.16	0.71	MW31-4
Cadmium	49	12	37	0.13	5.2	0.3	3.7	MW31-4
Chromium	49	49	0	NA	NA	10.3	56	B3-4
Copper	49	49	0	NA	NA	15.5	323	SS29-0
Lead	51	51	0	NA	NA	3.8	3,600	B9-0
Mercury	49	33	16	0.02	0.15	0.02	0.3	B2-4
Nickel	49	49	0	NA	NA	13.7	71.9	SS29-0
Selenium	49	10	39	0.1	0.6	0.1	0.3	SS28-0
Silver	49	0	49	0.27	10	ND	ND	ND
Thallium	49	5	44	0.2	0.5	0.2	0.3	SS19-0
Zinc	49	49	0	NA	NA	28.6	460	B6-0
PCBs (µg/kg)								
Aroclor 1016	35	0	35	80	100	ND	ND	ND
Aroclor 1221	35	0	35	80	100	ND	ND	ND
Aroclor 1232	35	0	35	80	100	ND	ND	ND
Aroclor 1242	35	0	35	80	100	ND	ND	ND
Aroclor 1248	35	0	35	80	100	ND	ND	ND
Aroclor 1254	36	9	27	160	200	14 J	1,200	SS27-0
Aroclor 1260	37	4	33	160	200	36	137 J	SS16-0
SEMIVOLATILES (µg/kg)								
Phenol	11	0	11	330	6600	ND	ND	ND
bis-(2-Chloroethyl)ether	11	0	11	330	6600	ND	ND	ND
2-Chlorophenol	11	0	11	330	6600	ND	ND	ND
1,3-Dichlorobenzene	11	0	11	330	6600	ND	ND	ND
1,4-Dichlorobenzene	11	0	11	330	6600	ND	ND	ND
Benzyl Alcohol	11	0	11	330	6600	ND	ND	ND
1,2-Dichlorobenzene	11	0	11	330	6600	ND	ND	ND
2-Methylphenol	11	0	11	330	6600	ND	ND	ND
bis(2-Chloroisopropyl)ether	11	0	11	330	6600	ND	ND	ND
4-Methylphenol	11	0	11	330	6600	ND	ND	ND
N-Nitroso-di-n-propylamine	11	0	11	330	6600	ND	ND	ND
Hexachloroethane	11	0	11	330	6600	ND	ND	ND
Nitrobenzene	11	0	11	330	6600	ND	ND	ND
Isophorone	11	0	11	330	6600	ND	ND	ND
2-Nitrophenol	11	0	11	330	6600	ND	ND	ND
2,4-Dimethylphenol	11	0	11	1650	33000	ND	ND	ND
Benzoic Acid	11	0	11	330	6600	ND	ND	ND
bis(2-Chloroethoxy)methane	11	0	11	330	6600	ND	ND	ND
2,4-Dichlorophenol	11	0	11	330	6600	ND	ND	ND
1,2,4-Trichlorobenzene	11	0	11	330	6600	ND	ND	ND
Naphthalene	11	0	11	330	6600	ND	ND	ND
4-Chloroaniline	11	0	11	330	6600	ND	ND	ND
Hexachlorobutadiene	11	0	11	330	6600	ND	ND	ND
4-Chloro-3-methylphenol	11	0	11	330	6600	ND	ND	ND
2-Methylnaphthalene	11	5	6	337	402	100 J	8,300	B4-10
Hexachlorocylopentadiene	11	0	11	330	6600	ND	ND	ND
2,4,6-Trichlorophenol	11	0	11	330	6600	ND	ND	ND
2,4,5-Trichlorophenol	11	0	11	1650	33000	ND	ND	ND
2,Chloronaphthalene	11	0	11	330	6600	ND	ND	ND
2-Nitroaniline	11	0	11	1650	33000	ND	ND	ND
Dimethyl phthalate	11	0	11	330	6600	ND	ND	ND
Acenaphthylene	11	0	11	330	6600	ND	ND	ND
2,6-Dinitrotoluene	11	0	11	1650	33000	ND	ND	ND
3-Nitroaniline	11	0	11	1650	33000	ND	ND	ND
2-Methyl-4,6-dinitrophenol	11	0	11	1650	33000	ND	ND	ND

TABLE 11-3 (Continued)
SUMMARY OF DATA
SOUTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
N-nitrosodimethylamine	11	0	11	330	6600	ND	ND	ND
Azobenzene	11	0	11	1650	33000	ND	ND	ND
Acenaphthene	11	0	11	330	6600	ND	ND	ND
2,4-Dinitrophenol	11	0	11	1650	33000	ND	ND	ND
4-Nitrophenol	11	0	11	1650	33000	ND	ND	ND
Dibenzofuran	11	0	11	330	6600	ND	ND	ND
2,4-Dinitrotoluene	11	0	11	330	6600	ND	ND	ND
Diethylphthalate	11	0	11	330	6600	ND	ND	ND
4,Chlorophenyl-phenylether	11	0	11	330	6600	ND	ND	ND
Fluorene	11	1	10	330	6600	110 J	110 J	B6-8
4-Nitroaniline	11	0	11	1650	33000	ND	ND	ND
N-Nitrosodiphenylamine	11	0	11	330	6600	ND	ND	ND
4-Bromophenyl-phenylether	11	0	11	330	6600	ND	ND	ND
Hexachlorobenzene	11	0	11	330	6600	ND	ND	ND
Pentachlorophenol	11	0	11	1650	33000	ND	ND	ND
Phenanthrene	11	3	8	330	473	144 J	7,500	B4-10
Anthracene	11	0	11	330	6600	ND	ND	ND
Di-n-butylphthalate	11	5	6	345	6600	70 J	115 J	B9-7.5
Fluoranthene	11	2	9	330	6600	144 J	200 J	MW39-6
Pyrene	11	2	9	330	6600	190 J	300 J	MW39-6
Butylbenzylphthalate	11	2	9	330	6600	136 J	300 J	DW2-5
3,3'-Dichlorobenzidine	11	0	11	660	13200	ND	ND	ND
Benzo(a)anthracene	11	1	10	330	6600	110 J	110 J	MW39-6
Bis(2-ethylhexyl)phthalate	11	2	9	330	6600	102 J	136 J	B5-7
Chrysene	11	2	9	330	6600	180 J	189 J	DW-2
Di-n-octyl phthalate	11	1	10	330	6600	112 J	112 J	B5-7
Benzo(b)fluoranthene	11	1	10	330	6600	260 J	260 J	MW39-6
Benzo(k)fluoranthene	11	1	10	330	6600	80 J	80 J	MW39-6
Benzo(a)pyrene	11	1	10	330	6600	130 J	130 J	MW39-6
Indeno(1,2,3-cd)pyrene	11	1	10	330	6600	130 J	130 J	MW39-6
Dibenz(a,h)anthracene	11	0	11	330	6600	ND	ND	ND
Benzo(g,h,i)perylene	11	1	10	330	6600	170 J	170 J	MW39-6
TPHs (mg/kg)								
WTPH by 418.1	53	25	28	5	133	110	14,000	B10-10
WTPH as Diesel	49	30	19	5	30	13 J	12,000	B1-12.5
WTPH as Gasoline	5	1	4	5	6	6	6	MW39-6
VOLATILES (μg/kg)								
Chloromethane	12	0	12	10	53	ND	ND	ND
Bromomethane	12	0	12	10	53	ND	ND	ND
Vinyl Chloride	12	0	12	10	53	ND	ND	ND
Chloroethane	12	0	12	10	53	ND	ND	ND
Methylene Chloride	12	12	0	NA	NA	4 BJ	38 B	B4-10
Acrolein	12	0	12	10	53	ND	ND	ND
Acrylonitrile	12	0	12	10	53	ND	ND	ND
Acetone	12	10	2	5	5	7 B	109 B	B4-10
Carbon Disulfide	12	0	12	5	27	ND	ND	ND
1,1-Dichloroethene	12	0	12	5	27	ND	ND	ND
1,1-Dichloroethane	12	0	12	5	27	ND	ND	ND
Total-1,2-Dichloroethene	12	0	12	5	27	ND	ND	ND
Chloroform	12	0	12	5	27	ND	ND	ND
1,2-Dichloroethane	12	1	11	5	27	9	9	MW33-5
2-Butanone	12	1	11	10	53	24	24	B9-7.5
1,1,1-Trichloroethane	12	0	12	5	27	ND	ND	ND
Carbon Tetrachloride	12	0	12	5	27	ND	ND	ND
Vinyl Acetate	12	0	12	10	53	ND	ND	ND
Bromodichloromethane	12	0	12	5	27	ND	ND	ND

TABLE 11-3 (Continued)
SUMMARY OF DATA
SOUTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location of Maximum Detected Concentration
1,2-Dichloropropane	12	0	12	5	27	ND	ND	ND
cis-1,3-Dichloropropene	12	0	12	5	27	ND	ND	ND
Trichloroethene	12	0	12	5	27	ND	ND	ND
Dibromochloromethane	12	0	12	5	27	ND	ND	ND
1,1,2-Trichloroethane	12	0	12	5	27	ND	ND	ND
Benzene	29	1	28	5	500	93	93	MW8-2
trans-1,3-dichloropropene	12	0	12	5	27	ND	ND	ND
2-chloroethylvinylether	12	0	12	5	27	ND	ND	ND
Bromoform	12	0	12	5	27	ND	ND	ND
4-Methyl-2-Pentanone	12	0	12	10	53	ND	ND	ND
2-Hexanone	12	0	12	10	53	ND	ND	ND
Tetrachloroethene	12	0	12	5	27	ND	ND	ND
1,1,2,2-Tetrachloroethane	12	1	11	5	27	23	23	MW37-7.5
Toluene	29	2	27	5	500	540	2,000	MW6-14
Chlorobenzene	12	0	12	5	27	ND	ND	ND
Ethylbenzene	29	3	26	5	500	98	7,800	MW6-14
Styrene	12	5	7	5	27	16	176	B5-7
Xylene (total)	29	3	26	5	500	360	9,600	MW6-14

NOTES:

ND - Not detected
NA - Analytes were detected; see data for quantitation limits
One-half the detection limit used in statistics

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TABLE 11-4
SUMMARY OF DATA
BACKGROUND SOIL
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
TOTAL METALS (mg/kg)								
Silver	2	0	2	1.2	1.5	ND	ND	ND
Antimony	2	0	2	0.3	0.3	ND	ND	ND
Arsenic	2	2	0	NA	NA	7	31	BG2-0
Beryllium	2	0	2	0.6	0.7	ND	ND	ND
Cadmium	2	0	2	0.6	0.7	ND	ND	ND
Chromium	2	2	0	NA	NA	30.9	41.7	BG2-0
Copper	2	2	0	NA	NA	18.5	26.2	BG2-0
Lead	2	2	0	NA	NA	15.7	28.2	BG2-0
Mercury	2	2	0	NA	NA	0.03	0.06	BG2-0
Nickel	2	2	0	NA	NA	22.8	33.7	BG2-0
Selenium	2	1	1	0.6	0.6	0.1	0.1	BG2-0
Silver	2	0	2	1.2	1.5	ND	ND	ND
Thallium	2	1	1	0.2	0.2	0.3	0.3	BG2-0
Zinc	2	2	0	NA	NA	62.4	75.3	BG2-0
PCBs (μg/kg)								
Aroclor 1016	2	0	2	97	119	ND	ND	ND
Aroclor 1221	2	0	2	97	119	ND	ND	ND
Aroclor 1232	2	0	2	97	119	ND	ND	ND
Aroclor 1242	2	0	2	97	119	ND	ND	ND
Aroclor 1248	2	0	2	97	119	ND	ND	ND
Aroclor 1254	2	0	2	193	238	ND	ND	ND
Aroclor 1260	2	0	2	193	238	ND	ND	ND
TPH by 418.1(mg/kg)	2	0	2	121	149	ND	ND	ND

NOTES:

ND - Not detected

NA - Analytes were detected; see data for quantitation limits

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TABLE 11-5
COMPARISON OF SOIL DATA TO BACKGROUND CONCENTRATIONS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Background Normal Source Concentration	North Site Maximum Detected Concentrations	South Site Maximum Detected Concentrations
TOTAL METALS (mg/kg)			
Arsenic	31.0	12*	64
Chromium	41.7	58.3	56
Copper	26.2	41.6	323
Lead	28.2	1897	3600
Mercury	0.060	0.16	0.3
Nickel	33.7	37.8	71.9
Selenium	0.100	0.3	0.3
Thallium	0.300	ND	0.3*
Zinc	75.3	222	460

NOTES:

Background normal source concentration is the 95th % upper confidence limit on the arithmetic mean or the maximum detected concentration, whichever is lower.

* - indicates the maximum detected concentration is less than or equal to the background concentratio

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TABLE 11-6

CHEMICALS OF INTEREST
NORTH SITE AND SOUTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SOUTH SITE SOIL	NORTH SITE SOIL
TOTAL METALS		
Antimony	X	X
Arsenic	X	X
Beryllium	X	
Cadmium	X	
Chromium	X	X
Copper	X	X
Lead	X	X
Mercury	X	X
Nickel	X	X
Selenium	X	X
Zinc	X	X
PCBs		
Aroclor 1254	X	
Aroclor 1260	X	
SEMIVOLATILES		
2-Methylnaphthalene	X	
Phenanthrene	X	
Di-n-butylphthalate	X	
Butylbenzylphthalate	X	
Di-n-octyl phthalate	X	
TPH	X	X
VOLATILES		
Toluene	X	
Ethylbenzene	X	
Xylene (total)	X	

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TABLE 11-7
SUMMARY OF SEDIMENT SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

	Date Sampled	TPH EPA 418.1	Total Metals EPA 6010/7000	PCBs EPA 8080	Semivolatiles EPA 8270	Volatiles EPA 8240
SOUTH SITE						
SED-6	10/7/93	X	X	X	X	X
SED-7	10/7/93	X	X	X	X	X
NORTH SITE						
SED-1	10/7/93	X	X	X	X	X
SED-2	10/7/93	X	X	X	X	X
SED-3	10/7/93	X	X	X	X	X
SED-10 (SED-3DUP)	10/7/93	X	X	X	X	X
SED-4	10/7/93	X	X	X	X	X
SED-5	10/7/93	X	X	X	X	X

TABLE 11-8
SUMMARY OF DATA
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location of Maximum Detected Concentration
METALS (mg/kg)								
Antimony	6	0	6	0.2	0.2	ND	ND	ND
Arsenic	6	6	0	NA	NA	2	50	SED-2
Beryllium	6	0	6	0.1	0.6	ND	ND	ND
Cadmium	6	0	6	0.6	0.6	ND	ND	ND
Chromium	6	6	0	NA	NA	19.7	34	SED-1
Copper	6	6	0	NA	NA	10.9	15.7	SED-10
Lead	6	6	0	NA	NA	2.7	8.3	SED-1
Mercury	6	0	6	0.02	0.02	ND	ND	ND
Nickel	6	6	0	NA	NA	17.6	33.5	SED-1
Selenium	6	0	6	0.1	0.1	ND	ND	ND
Silver	6	0	6	1	1.2	ND	ND	ND
Thallium	6	2	4	0.2	0.2	0.2	0.3	SED-4
Zinc	6	6	0	NA	NA	30.2	42.1	SED-2
PCBs (µg/kg)								
Aroclor 1016	6	0	6	85	93	ND	ND	ND
Aroclor 1221	6	0	6	85	93	ND	ND	ND
Aroclor 1232	6	0	6	85	93	ND	ND	ND
Aroclor 1242	6	0	6	85	93	ND	ND	ND
Aroclor 1248	6	0	6	85	93	ND	ND	ND
Aroclor 1254	6	0	6	170	187	ND	ND	ND
Aroclor 1260	6	0	6	170	187	ND	ND	ND
SVOC (µg/kg)								
Phenol	6	0	6	365	3855	ND	ND	ND
bis-(2-Chloroethyl)ether	6	0	6	365	3855	ND	ND	ND
2-Chlorophenol	6	0	6	365	3855	ND	ND	ND
1,3-Dichlorobenzene	6	0	6	365	3855	ND	ND	ND
1,4-Dichlorobenzene	6	0	6	365	3855	ND	ND	ND
Benzyl Alcohol	6	0	6	365	3855	ND	ND	ND
1,2-Dichlorobenzene	6	0	6	365	3855	ND	ND	ND
2-Methylphenol	6	0	6	365	3855	ND	ND	ND
bis(2-Chloroisopropyl)ether	6	0	6	365	3855	ND	ND	ND
4-Methylphenol	6	0	6	365	3855	ND	ND	ND
N-Nitroso-di-n-propylamine	6	0	6	365	3855	ND	ND	ND
Hexachloroethane	6	0	6	365	3855	ND	ND	ND
Nitrobenzene	6	0	6	365	3855	ND	ND	ND
Isophorone	6	0	6	365	3855	ND	ND	ND
2-Nitrophenol	6	0	6	365	3855	ND	ND	ND
2,4-Dimethylphenol	6	0	6	1827	19276	ND	ND	ND
Benzoic Acid	6	0	6	365	3855	ND	ND	ND
bis(2-Chloroethoxy)methane	6	0	6	365	3855	ND	ND	ND
2,4-Dichlorophenol	6	0	6	365	3855	ND	ND	ND
1,2,4-Trichlorobenzene	6	0	6	365	3855	ND	ND	ND
Naphthalene	6	0	6	365	3855	ND	ND	ND
4-Chloroaniline	6	0	6	365	3855	ND	ND	ND
Hexachlorobutadiene	6	0	6	365	3855	ND	ND	ND
4-Chloro-3-methylphenol	6	0	6	365	3855	ND	ND	ND
2-Methylnaphthalene	6	0	6	365	3855	ND	ND	ND
Hexachlorocylopentadiene	6	0	6	365	3855	ND	ND	ND
2,4,6-Trichlorophenol	6	0	6	365	3855	ND	ND	ND
2,4,5-Trichlorophenol	6	0	6	1827	19276	ND	ND	ND
2,Chloronaphthalene	6	0	6	365	3855	ND	ND	ND
2-Nitroaniline	6	0	6	1827	19276	ND	ND	ND
Dimethyl phthalate	6	0	6	365	3855	ND	ND	ND
Acenaphthylene	6	0	6	365	3855	ND	ND	ND

TABLE 11-8 (Continued)
SUMMARY OF DATA
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
2,6-Dinitrotoluene	6	0	6	1827	19276	ND	ND	ND
3-Nitroaniline	6	0	6	1827	19276	ND	ND	ND
2-Methyl-4,6-dinitrophenol	6	0	6	1827	19276	ND	ND	ND
N-nitrosodimethylamine	6	0	6	365	3855	ND	ND	ND
Azobenzene	6	0	6	1827	19276	ND	ND	ND
Acenaphthene	6	0	6	365	3855	ND	ND	ND
2,4-Dinitrophenol	6	0	6	1827	19276	ND	ND	ND
4-Nitrophenol	6	0	6	1827	19276	ND	ND	ND
Dibenzofuran	6	0	6	365	3855	ND	ND	ND
2,4-Dinitrotoluene	6	0	6	365	3855	ND	ND	ND
Diethylphthalate	6	0	6	365	3855	ND	ND	ND
4,Chlorophenyl-phenylether	6	0	6	365	3855	ND	ND	ND
Fluorene	6	0	6	365	3855	ND	ND	ND
4-Nitroaniline	6	0	6	1827	19276	ND	ND	ND
N-Nitrosodiphenylamine(1)	6	0	6	365	3855	ND	ND	ND
4-Bromophenyl-phenylether	6	0	6	365	3855	ND	ND	ND
Hexachlorobenzene	6	0	6	365	3855	ND	ND	ND
Pentachlorophenol	6	0	6	1827	19276	ND	ND	ND
Phenanthrene	6	0	6	365	3855	ND	ND	ND
Anthracene	6	0	6	365	3855	ND	ND	ND
Di-n-butylphthalate	6	0	6	365	3855	ND	ND	ND
Fluoranthene	6	0	6	365	3855	ND	ND	ND
Pyrene	6	0	6	365	3855	ND	ND	ND
Butylbenzylphthalate	6	0	6	365	3855	ND	ND	ND
3,3'-Dichlorobenzidine	6	0	6	731	7710	ND	ND	ND
Benzo(a)anthracene	6	0	6	365	3855	ND	ND	ND
Bis(2-ethylhexyl)phthalate	6	0	6	365	3855	ND	ND	ND
Chrysene	6	0	6	365	3855	ND	ND	ND
Di-n-octyl phthalate	6	0	6	365	3855	ND	ND	ND
Benzo(b)fluoranthene	6	0	6	365	3855	ND	ND	ND
Benzo(k)fluoranthene	6	0	6	365	3855	ND	ND	ND
Benzo(a)pyrene	6	0	6	365	3855	ND	ND	ND
Indeno(1,2,3-cd)pyrene	6	0	6	365	3855	ND	ND	ND
Dibenz(a,h)anthracene	6	0	6	365	3855	ND	ND	ND
Benzo(g,h,i)perylene	6	0	6	365	3855	ND	ND	ND
WTPH by 418.1 (mg/kg)	6	2	4	106	116	990	6,900	SED-4
VOCs (μg/kg)								
Chloromethane	6	0	6	11	58	ND	ND	ND
Bromomethane	6	0	6	11	58	ND	ND	ND
Vinyl Chloride	6	0	6	11	58	ND	ND	ND
Chloroethane	6	0	6	11	58	ND	ND	ND
Methylene Chloride	6	6	0	NA	NA	3 BJ	28 BJ	SED-4
Acrolein	6	0	6	11	58	ND	ND	ND
Acrylonitrile	6	0	6	11	58	ND	ND	ND
Acetone	6	5	1	6	6	5 J	44 B	SED-4
Carbon Disulfide	6	0	6	5	29	ND	ND	ND
1,1-Dichloroethene	6	0	6	5	29	ND	ND	ND
1,1-Dichloroethane	6	0	6	5	29	ND	ND	ND
Total-1,2-Dichloroethene	6	0	6	5	29	ND	ND	ND
Chloroform	6	0	6	5	29	ND	ND	ND
1,2-Dichloroethane	6	0	6	5	29	ND	ND	ND
2-Butanone	6	0	6	11	58	ND	ND	ND
1,1,1-Trichloroethane	6	0	6	5	29	ND	ND	ND
Carbon Tetrachloride	6	0	6	5	29	ND	ND	ND
Vinyl Acetate	6	0	6	11	58	ND	ND	ND

TABLE 11-8 (Continued)
SUMMARY OF DATA
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location of Maximum Detected Concentration
Bromodichloromethane	6	0	6	5	29	ND	ND	ND
1,2-Dichloropropane	6	0	6	5	29	ND	ND	ND
cis-1,3-Dichloropropene	6	0	6	5	29	ND	ND	ND
Trichloroethene	6	0	6	5	29	ND	ND	ND
Dibromochloromethane	6	0	6	5	29	ND	ND	ND
1,1,2-Trichloroethane	6	0	6	5	29	ND	ND	ND
Benzene	6	0	6	5	29	ND	ND	ND
trans-1,3-dichloropropene	6	0	6	5	29	ND	ND	ND
2-chloroethylvinylether	6	0	6	5	29	ND	ND	ND
Bromoform	6	0	6	5	29	ND	ND	ND
4-Methyl-2-Pentanone	6	0	6	11	58	ND	ND	ND
2-Hexanone	6	2	4	11	12	20	320	SED-4
Tetrachloroethene	6	0	6	5	29	ND	ND	ND
1,1,2,2-Tetrachloroethane	6	0	6	5	29	ND	ND	ND
Toluene	6	0	6	5	29	ND	ND	ND
Chlorobenzene	6	0	6	5	29	ND	ND	ND
Ethylbenzene	6	0	6	5	29	ND	ND	ND
Styrene	6	0	6	5	29	ND	ND	ND
Xylene (total)	6	0	6	5	29	ND	ND	ND

NOTES:

ND - Not detected
NA - Analytes were detected; see data for quantitation limits

TABLE 11-9
SUMMARY OF DATA
SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REIEC

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
METALS (mg/kg)								
Antimony	2	0	2	0.2	0.2	ND	ND	ND
Arsenic	2	2	0	NA	NA	8	20	SED-7
Beryllium	2	0	2	0.7	1.5	ND	ND	ND
Cadmium	2	0	2	0.7	1.5	ND	ND	ND
Chromium	2	2	0	NA	NA	24.3	30.1	SED-6
Copper	2	2	0	NA	NA	34.6	36.4	SED-6
Lead	2	2	0	NA	NA	26.8	64.1	SED-7
Mercury	2	2	0	NA	NA	0.04	0.05	SED-6
Nickel	2	2	0	NA	NA	24	39.9	SED-6
Selenium	2	1	1	0.1	0.1	0.1	0.1	SED-7
Silver	2	0	2	1.4	3	ND	ND	ND
Thallium	2	0	2	0.3	0.3	ND	ND	ND
Zinc	2	2	0	NA	NA	105	150	SED-7
PCBs (µg/kg)								
Aroclor 1016	2	0	2	114	116	ND	ND	ND
Aroclor 1221	2	0	2	114	116	ND	ND	ND
Aroclor 1232	2	0	2	114	116	ND	ND	ND
Aroclor 1242	2	0	2	114	116	ND	ND	ND
Aroclor 1248	2	0	2	114	116	ND	ND	ND
Aroclor 1254	2	0	2	229	232	ND	ND	ND
Aroclor 1260	2	0	2	229	232	ND	ND	ND
SVOC (µg/kg)								
Phenol	2	0	2	1910	9442	ND	ND	ND
bis-(2-Chloroethyl)ether	2	0	2	1910	9442	ND	ND	ND
2-Chlorophenol	2	0	2	1910	9442	ND	ND	ND
1,3-Dichlorobenzene	2	0	2	1910	9442	ND	ND	ND
1,4-Dichlorobenzene	2	0	2	1910	9442	ND	ND	ND
Benzyl Alcohol	2	0	2	1910	9442	ND	ND	ND
1,2-Dichlorobenzene	2	0	2	1910	9442	ND	ND	ND
2-Methylphenol	2	0	2	1910	9442	ND	ND	ND
bis(2-Chloroisopropyl)ether	2	0	2	1910	9442	ND	ND	ND
4-Methylphenol	2	0	2	1910	9442	ND	ND	ND
N-Nitroso-di-n-propylamine	2	0	2	1910	9442	ND	ND	ND
Hexachloroethane	2	0	2	1910	9442	ND	ND	ND
Nitrobenzene	2	0	2	1910	9442	ND	ND	ND
Isophorone	2	0	2	1910	9442	ND	ND	ND
2-Nitrophenol	2	0	2	1910	9442	ND	ND	ND
2,4-Dimethylphenol	2	0	2	9551	47210	ND	ND	ND
Benzoic Acid	2	0	2	1910	9442	ND	ND	ND
bis(2-Chloroethoxy)methane	2	0	2	1910	9442	ND	ND	ND
2,4-Dichlorophenol	2	0	2	1910	9442	ND	ND	ND
1,2,4-Trichlorobenzene	2	0	2	1910	9442	ND	ND	ND
Naphthalene	2	0	2	1910	9442	ND	ND	ND
4-Chloroaniline	2	0	2	1910	9442	ND	ND	ND
Hexachlorobutadiene	2	0	2	1910	9442	ND	ND	ND
4-Chloro-3-methylphenol	2	0	2	1910	9442	ND	ND	ND
2-Methylnaphthalene	2	0	2	1910	9442	ND	ND	ND
Hexachlorocylopentadiene	2	0	2	1910	9442	ND	ND	ND
2,4,6-Trichlorophenol	2	0	2	1910	9442	ND	ND	ND
2,4,5-Trichlorophenol	2	0	2	9551	47210	ND	ND	ND
2,Chloronaphthalene	2	0	2	1910	9442	ND	ND	ND
2-Nitroaniline	2	0	2	9551	47210	ND	ND	ND
Dimethyl phthalate	2	0	2	1910	9442	ND	ND	ND
Acenaphthylene	2	0	2	1910	9442	ND	ND	ND
2,6-Dinitrotoluene	2	0	2	9551	47210	ND	ND	ND
3-Nitroaniline	2	0	2	9551	47210	ND	ND	ND
2-Methyl-4,6-dinitrophenol	2	0	2	9551	47210	ND	ND	ND

TABLE 11-9 (Continued)
SUMMARY OF DATA
SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
N-nitrosodimethylamine	2	0	2	1910	9442	ND	ND	ND
Azobenzene	2	0	2	9551	47210	ND	ND	ND
Acenaphthene	2	0	2	1910	9442	ND	ND	ND
2,4-Dinitrophenol	2	0	2	9551	47210	ND	ND	ND
4-Nitrophenol	2	0	2	9551	47210	ND	ND	ND
Dibenzofuran	2	0	2	1910	9442	ND	ND	ND
2,4-Dinitrotoluene	2	0	2	1910	9442	ND	ND	ND
Diethylphthalate	2	0	2	1910	9442	ND	ND	ND
4,Chlorophenyl-phenylether	2	0	2	1910	9442	ND	ND	ND
Fluorene	2	0	2	1910	9442	ND	ND	ND
4-Nitroaniline	2	0	2	9551	47210	ND	ND	ND
N-Nitrosodiphenylamine(1)	2	0	2	1910	9442	ND	ND	ND
4-Bromophenyl-phenylether	2	0	2	1910	9442	ND	ND	ND
Hexachlorobenzene	2	0	2	1910	9442	ND	ND	ND
Pentachlorophenol	2	0	2	9551	47210	ND	ND	ND
Phenanthrene	2	0	2	1910	9442	ND	ND	ND
Anthracene	2	0	2	1910	9442	ND	ND	ND
Di-n-butylphthalate	2	0	2	1910	9442	ND	ND	ND
Fluoranthene	2	0	2	1910	9442	ND	ND	ND
Pyrene	2	0	2	1910	9442	ND	ND	ND
Butylbenzylphthalate	2	0	2	1910	9442	ND	ND	ND
3,3'-Dichlorobenzidine	2	0	2	3821	18884	ND	ND	ND
Benzo(a)anthracene	2	0	2	1910	9442	ND	ND	ND
Bis(2-ethylhexyl)phthalate	2	0	2	1910	9442	ND	ND	ND
Chrysene	2	0	2	1910	9442	ND	ND	ND
Di-n-octyl phthalate	2	0	2	1910	9442	ND	ND	ND
Benzo(b)fluoranthene	2	0	2	1910	9442	ND	ND	ND
Benzo(k)fluoranthene	2	0	2	1910	9442	ND	ND	ND
Benzo(a)pyrene	2	0	2	1910	9442	ND	ND	ND
Indeno(1,2,3-cd)pyrene	2	0	2	1910	9442	ND	ND	ND
Dibenz(a,h)anthracene	2	0	2	1910	9442	ND	ND	ND
Benzo(g,h,i)perylene	2	0	2	1910	9442	ND	ND	ND
WTPH by 418.1 (mg/kg)	2	2	0	NA	NA	97 J	99 J	SED-7
VOCs (μg/kg)								
Chloromethane	2	0	2	14	14	ND	ND	ND
Bromomethane	2	0	2	14	14	ND	ND	ND
Vinyl Chloride	2	0	2	14	14	ND	ND	ND
Chloroethane	2	0	2	14	14	ND	ND	ND
Methylene Chloride	2	2	0	NA	NA	6 BJ	6 BJ	SED-6
Acrolein	2	0	2	14	14	ND	ND	ND
Acrylonitrile	2	0	2	14	14	ND	ND	ND
Acetone	2	1	1	7	7	9 B	9 B	SED-6
Carbon Disulfide	2	0	2	7	7	ND	ND	ND
1,1-Dichloroethene	2	0	2	7	7	ND	ND	ND
1,1-Dichloroethane	2	0	2	7	7	ND	ND	ND
Total-1,2-Dichloroethene	2	0	2	7	7	ND	ND	ND
Chloroform	2	0	2	7	7	ND	ND	ND
1,2-Dichloroethane	2	0	2	7	7	ND	ND	ND
2-Butanone	2	0	2	14	14	ND	ND	ND
1,1,1-Trichloroethane	2	0	2	7	7	ND	ND	ND
Carbon Tetrachloride	2	0	2	7	7	ND	ND	ND
Vinyl Acetate	2	0	2	14	14	ND	ND	ND
Bromodichloromethane	2	0	2	7	7	ND	ND	ND
1,2-Dichloropropane	2	0	2	7	7	ND	ND	ND
cis-1,3-Dichloropropene	2	0	2	7	7	ND	ND	ND
Trichloroethene	2	0	2	7	7	ND	ND	ND
Dibromochloromethane	2	0	2	7	7	ND	ND	ND
1,1,2-Trichloroethane	2	0	2	7	7	ND	ND	ND

TABLE 11-9 (Continued)
SUMMARY OF DATA
SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
Benzene	2	0	2	7	7	ND	ND	ND
trans-1,3-dichloropropene	2	0	2	7	7	ND	ND	ND
2-chloroethylvinylether	2	0	2	7	7	ND	ND	ND
Bromoform	2	0	2	7	7	ND	ND	ND
4-Methyl-2-Pentanone	2	0	2	14	14	ND	ND	ND
2-Hexanone	2	0	2	14	14	ND	ND	ND
Tetrachloroethene	2	0	2	7	7	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	0	2	7	7	ND	ND	ND
Toluene	2	0	2	7	7	ND	ND	ND
Chlorobenzene	2	0	2	7	7	ND	ND	ND
Ethylbenzene	2	0	2	7	7	ND	ND	ND
Styrene	2	0	2	7	7	ND	ND	ND
Xylene (total)	2	0	2	7	7	ND	ND	ND

NOTES:

ND - Not detected
NA - Analytes were detected; see data for quantitation limits

RETEC

TABLE 11-10

CHEMICALS OF INTEREST
NORTH SITE AND SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SOUTH SITE SEDIMENT	NORTH SITE SEDIMENT
TOTAL METALS		
Arsenic	X	X
Chromium	X	X
Copper	X	X
Lead	X	X
Mercury	X	
Nickel	X	X
Selenium	X	
Thallium		X
Zinc	X	X
TPH	X	X

* PAHs addressed per request of Ecology although not detected in sediment samples.

REIEC

TABLE 11-11
SUMMARY OF GROUNDWATER SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Monitoring Well	Date Sampled	TPH as Diesel EPA 8015 mod.	TPH EPA 418.1	Dissolved Metals EPA 6010/7000	Total Metals EPA 6010/7000	PCBs EPA 8080	Volatiles EPA 8240 EPA 8020*	Semivolatiles EPA 8270 EPA 8310**
MW-01	11/8/93	X						
MW-01	4/6/94	X						
MW-01	8/2/94	X						
MW-01	11/9/94	X						
MW-02	11/3/93	X		X	X			X
MW-02	4/6/94							
MW-02	8/3/94			X				
MW-02	11/9/94			X				
MW-03	11/05/93	X			X		X	X
MW-03	8/3/94	X						
MW-03	11/9/94	X						
MW-04	11/05/93	X			X	X	X	X
MW-04	4/6/94	X			X	X	X	X
MW-04	8/3/94	X						
MW-04	11/9/94	X						
MW-05	11/05/93	X						
MW-05	4/7/94	X		X	X			X
MW-05	8/2/94	X		X				
MW-05	11/8/94	X		X				
MW-07	11/02/93	X			X	X		X
MW-07	4/5/94						BTEX	
MW-9	11/05/93	X				X	X	X
MW-9	4/5/94			X	X	X		PAH
MW-9	8/2/94			X		X		PAH
MW-9	11/8/94	X		X				
MW-10	11/08/93	X			X			X
MW-10	4/5/94						BTEX	
MW-11	11/09/93	X			X		X	
MW-11	4/6/94						BTEX	X
MW-11	8/2/94							PAH
MW-11	11/8/94	X						
MW-12	11/02/93	X			X	X	X	X - PAH
MW-12	4/6/94							PAH
MW-12	8/2/94							PAH
MW-13	11/04/93	X						
MW-13	4/5/94	X						
MW-13	8/3/94	X						
MW-13	11/9/94	X						
MW-14	11/08/93	X			X	X	X	X
MW-14	4/6/94	X						
MW-15	11/08/93	X			X			
MW-16	11/08/93	X		X		X		
MW-16	4/6/94			X	X			
MW-16	8/3/94			X				
MW-18	11/08/93	X						
MW-19	11/04/93	X			X	X	X	X
MW-19	4/5/94	X				X		
MW-19	8/2/94	X				X		

RETEC

TABLE 11-11 (Continued)
SUMMARY OF GROUNDWATER SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Monitoring Well	Date Sampled	TPH as Diesel EPA 8015 mod.	TPH EPA 418.1	Dissolved Metals EPA 6010/7000	Total Metals EPA 6010/7000	PCBs EPA 8080	Volatiles EPA 8240 EPA 8020*	Semivolatiles EPA 8270 EPA 8310**
MW-23	11/04/93	X			X		X	X
MW-23	4/5/94	X		X	X		BTEX	PAH
MW-23	8/2/94	X		X				PAH
MW-23	11/8/94			X				
MW-24	11/09/93	X						
MW-28	11/03/93	X			X			X
MW-28	4/5/94	X						X
MW-28	8/2/94	X						PAH
MW-29	11/03/93	X						
MW-30	11/04/93	X						
MW-31	11/04/93	X			X	X	X	X
MW-31	4/6/94			X	X			
MW-31	8/3/94			X				
MW-31	11/9/94			X				
MW-32	11/04/93	X				X		
MW-32	4/5/94					X		
MW-33	11/03/93	X						
MW-34	11/03/93	X						
MW-34	4/6/94	X					X	
MW-34	8/3/94	X						
MW-35	11/03/93	X		X	X		X	X
MW-35	4/6/94	X						
MW-35	8/3/94	X		X				
MW-35	11/8/94	X		X				
MW-36	11/09/93	X					X	
MW-36	4/5/94	X		X	X		BTEX	PAH
MW-36	8/2/94	X		X				PAH
MW-37	11/09/93	X					X	
MW-37	4/5/94	X		X	X		BTEX	PAH
MW-37	8/2/94	X		X				PAH
MW-37	11/8/94	X		X				
MW-38	11/04/93	X						X
MW-38	4/6/94	X		X	X			
MW-38	8/3/94	X		X				
MW-38	11/8/94	X		X				
MW-40	11/09/93	X				X		X
MW-40	4/7/94	X		X	X			
MW-40	8/4/94	X		X				
MW-40	11/9/94	X		X				
DW-1	11/08/93	X						X
DW-1	4/6/94	X						
DW-1	8/4/94	X						
DW-2	11/02/93	X			X	X		X
DW-2	4/7/94	X		X	X			
DW-2	8/4/94	X		X				
DW-2	11/9/94			X				
DW-3	11/08/93	X				X		X
DW-3	4/7/94			X	X			
DW-3	8/4/94			X				
DW-3	11/9/94			X				

RETEC

TABLE 11-11 (Continued)
SUMMARY OF GROUNDWATER SAMPLES AND PARAMETERS ANALYZED
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Monitoring Well	Date Sampled	TPH as Diesel EPA 8015 mod.	TPH EPA 418.1	Dissolved Metals EPA 6010/7000	Total Metals EPA 6010/7000	PCBs EPA 8080	Volatiles EPA 8240 EPA 8020*	Semivolatiles EPA 8270 EPA 8310**
DW-4	11/9/93	X			X			X
DW-4	4/7/94	X						
DW-4	8/4/94	X						
DW-5	11/9/93	X						X
DW-5	4/7/94	X						
DW-5	8/4/94	X						

NOTES:

* - EPA 8020 is the analytical method for BTEX (Benzene/Toluene/Ethylbenzene/Xylene)
* - EPA 8310 is the analytical method for PAH compounds (Polycyclic Aromatic Hydrocarbons)

TABLE 11-12
SUMMARY OF DATA
GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location of Maximum Detected Concentration
DISSOLVED METALS (mg/L)								
Arsenic	38	15	23	0.001	0.01	0.001	0.011	MW-36
Chromium	38	1	37	0.001	0.01	0.01 B	0.01 B	MW-16
Lead	37	2	35	0.001	0.001	0.002	0.003	MW-40
TOTAL METALS (mg/L)								
Antimony	16	5	11	0.001	0.01	0.001	0.02	MW-28
Arsenic	29	27	2	0.001	0.001	0.001	0.54	MW-02
Beryllium	16	0	16	0.005	0.1	ND	ND	ND
Cadmium	16	3	13	0.0001	0.002	0.0002	0.0003	MW-35
Chromium	29	17	12	0.01	0.2	0.02	0.4	DW-2
Copper	16	10	6	0.01	0.05	0.01	0.32	DW-2
Lead	29	23	6	0.001	0.02	0.001	0.15	MW-40
Mercury	16	4	12	0.0002	0.0002	0.0002	0.0007	DW-2
Nickel	16	5	11	0.02	0.4	0.02	0.37	DW-2
Selenium	16	1	15	0.001	0.02	0.002	0.002	MW-02
Silver	16	0	16	0.01	0.2	ND	ND	ND
Thallium	16	0	16	0.002	0.04	ND	ND	ND
Zinc	16	9	7	0.01	0.2	0.01	0.52	DW-2
PCBs (µg/L)								
Aroclor 1016	16	0	16	0.05	0.5	ND	ND	ND
Aroclor 1221	16	0	16	0.05	0.5	ND	ND	ND
Aroclor 1232	16	0	16	0.05	0.5	ND	ND	ND
Aroclor 1242	16	0	16	0.05	0.5	ND	ND	ND
Aroclor 1248	16	0	16	0.05	0.5	ND	ND	ND
Aroclor 1254	16	0	16	0.05	1	ND	ND	ND
Aroclor 1260	16	0	16	0.05	1	ND	ND	ND
SEMIVOLATILES (µg/L)								
Phenol	23	0	23	5	50	ND	ND	ND
bis-(2-Chloroethyl)ether	23	0	23	5	50	ND	ND	ND
2-Chlorophenol	23	0	23	5	50	ND	ND	ND
1,3-Dichlorobenzene	23	0	23	5	50	ND	ND	ND
1,4-Dichlorobenzene	23	0	23	5	50	ND	ND	ND
Benzyl Alcohol	23	0	23	5	50	ND	ND	ND
1,2-Dichlorobenzene	23	0	23	5	50	ND	ND	ND
2-Methylphenol	23	0	23	5	50	ND	ND	ND
bis(2-Chloroisopropyl) ether	23	0	23	5	50	ND	ND	ND
4-Methylphenol	23	0	23	5	50	ND	ND	ND
N-Nitroso-di-n-propylamine	23	0	23	5	50	ND	ND	ND
Hexachloroethane	23	0	23	5	50	ND	ND	ND
Nitrobenzene	23	0	23	5	50	ND	ND	ND
Isophorone	23	0	23	5	50	ND	ND	ND
2-Nitrophenol	23	0	23	5	50	ND	ND	ND
2,4-Dimethylphenol	23	0	23	25	250	ND	ND	ND
Benzoic Acid	23	0	23	5	50	ND	ND	ND
bis(2-Chloroethoxy)methane	23	0	23	5	50	ND	ND	ND
2,4-Dichlorophenol	23	0	23	5	50	ND	ND	ND
1,2,4-Trichlorobenzene	23	0	23	5	50	ND	ND	ND
Naphthalene	37	1	36	1.8	50	32	32	MW-11
4-Chloroaniline	23	0	23	5	50	ND	ND	ND
Hexachlorobutadiene	23	0	23	5	50	ND	ND	ND
4-Chloro-3-methylphenol	23	0	23	5	50	ND	ND	ND
2-Methylnaphthalene	24	1	23	5	50	200	200	MW-11
Hexachlorocylopentadiene	23	0	23	5	50	ND	ND	ND
2,4,6-Trichlorophenol	23	0	23	5	50	ND	ND	ND
2,4,5-Trichlorophenol	23	0	23	25	250	ND	ND	ND

TABLE 11-12 (Continued)
SUMMARY OF DATA
GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
2-Chloronaphthalene	23	0	23	5	50	ND	ND	ND
2-Nitroaniline	23	0	23	25	250	ND	ND	ND
Dimethyl phthalate	23	0	23	5	50	ND	ND	ND
Acenaphthylene	37	0	37	2.3	50	ND	ND	ND
2,6-Dinitrotoluene	23	0	23	25	250	ND	ND	ND
3-Nitroaniline	23	0	23	25	250	ND	ND	ND
N-nitrosodimethylamine	23	0	23	5	50	ND	ND	ND
Acenaphthene	37	2	35	1.8	50	1.3 J	28	MW-11
2,4-Dinitrophenol	23	0	23	25	250	ND	ND	ND
4-Nitrophenol	23	0	23	25	250	ND	ND	ND
Dibenzofuran	24	1	23	5	50	19	19	MW-11
2,4-Dinitrotoluene	23	0	23	5	50	ND	ND	ND
Diethylphthalate	23	0	23	5	50	ND	ND	ND
4-Chlorophenyl-phenylether	23	0	23	5	50	ND	ND	ND
Fluorene	36	5	31	0.21	50	0.2 J	48	MW-11
4-Nitroaniline	23	0	23	25	250	ND	ND	ND
4,6-Dinitro-2-methylphenol	23	0	23	25	250	ND	ND	ND
N-Nitrosodiphenylamine(1)	23	0	23	5	50	ND	ND	ND
4-Bromophenyl-phenylether	23	0	23	5	50	ND	ND	ND
Hexachlorobenzene	23	0	23	5	50	ND	ND	ND
Pentachlorophenol	23	0	23	25	250	ND	ND	ND
Phenanthrene	37	2	35	0.64	50	0.4 J	110	MW-11
Anthracene	37	6	31	0.66	50	0.5 J	9.2	MW-11
Di-n-butylphthalate	23	0	23	5	50	ND	ND	ND
Fluoranthene	37	6	31	0.21	50	0.15 J	52 J	MW-11
Pyrene	37	1	36	0.27	50	3.9	3.9	MW-11
Butylbenzylphthalate	23	0	23	5	50	ND	ND	ND
3,3'-Dichlorobenzidine	23	0	23	20	100	ND	ND	ND
Benzo(a)anthracene	37	7	30	0.02	50	0.1	3	MW-9
Bis(2-ethylhexyl)phthalate	23	1	22	5	50	3 J	3 J	MW-07
Chrysene	37	1	36	0.15	50	2	2	MW-9
Di-n-octyl phthalate	23	1	22	5	50	3 J	3 J	MW-07
Benzo(b)fluoranthene	37	0	37	0.02	50	ND	ND	ND
Benzo(k)fluoranthene	37	0	37	0.02	50	ND	ND	ND
Benzo(a)pyrene	37	0	37	0.03	50	ND	ND	ND
Indeno(1,2,3-cd)pyrene	37	1	36	0.05	50	0.2	0.2	MW-12
Dibenz(a,h)anthracene	37	1	36	0.03	50	0.08	0.08	MW-12
Benzo(g,h,i)perylene	37	0	37	0.08	50	ND	ND	ND
Azobenzene	22	0	22	25	250	ND	ND	ND
WTPH as Diesel (mg/L)	83	37	46	0.02	0.3	0.09 J	37	MW-11
VOLATILES (μg/L)								
Chloromethane	13	1	12	10	10	2 J	2 J	MW-37
Bromomethane	13	0	13	10	10	ND	ND	ND
Vinyl Chloride	13	0	13	10	10	ND	ND	ND
Chloroethane	13	0	13	10	10	ND	ND	ND
Methylene Chloride	13	13	0	NA	NA	1 BJ	12 B	MW-11
Acrolein	13	0	13	10	10	ND	ND	ND
Acrylonitrile	13	0	13	10	10	ND	ND	ND
Acetone	13	9	4	5	5	4 BJ	10	MW-03
Carbon Disulfide	13	0	13	5	5	ND	ND	ND
1,1-Dichloroethene	13	1	12	5	5	1 J	1 J	MW-11
1,1-Dichloroethane	13	0	13	5	5	ND	ND	ND
Total-1,2-Dichloroethene	13	0	13	5	5	ND	ND	ND
Chloroform	13	1	12	5	5	6 B	6 B	MW-34
1,2-Dichloroethane	13	0	13	5	5	ND	ND	ND

TABLE 11-12 (Continued)
SUMMARY OF DATA
GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
2-Butanone	13	0	13	10	10	ND	ND	ND
1,1,1-Trichloroethane	13	0	13	5	5	ND	ND	ND
Carbon Tetrachloride	13	0	13	5	5	ND	ND	ND
Vinyl Acetate	13	0	13	10	10	ND	ND	ND
Bromodichloromethane	13	0	13	5	5	ND	ND	ND
1,2-Dichloropropane	13	0	13	5	5	ND	ND	ND
cis-1,3-Dichloropropene	13	0	13	5	5	ND	ND	ND
Trichloroethene	13	0	13	5	5	ND	ND	ND
Dibromochloromethane	13	0	13	5	5	ND	ND	ND
1,1,2-Trichloroethane	13	0	13	5	5	ND	ND	ND
Benzene	20	2	18	0.5	5	0.4 J	1 J	MW-11
trans-1,3-dichloropropene	13	0	13	5	5	ND	ND	ND
2-chloroethylvinylether	13	0	13	5	5	ND	ND	ND
Bromoform	13	0	13	5	5	ND	ND	ND
4-Methyl-2-Pentanone	13	0	13	10	10	ND	ND	ND
2-Hexanone	13	0	13	10	10	ND	ND	ND
Tetrachloroethene	13	0	13	5	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	13	0	13	5	5	ND	ND	ND
Toluene	20	4	16	1	5	1 J	2	MW-37
Chlorobenzene	13	0	13	5	5	ND	ND	ND
Ethylbenzene	20	2	18	1	5	1 J	5	MW-11
Styrene	13	0	13	5	5	ND	ND	ND
Xylene (total)	20	4	16	1	5	1 J	22	MW-11

NOTES:

ND - Not detected
NA - analytes were detected; see data for quantitation limits

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TABLE 11-13

CHEMICALS OF INTEREST
GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	GROUNDWATER
DISSOLVED METALS	
Arsenic	X
Chromium	X
Lead	X
VOLATILES	
1, 1-Dichloroethene	X
SEMIVOLATILES	
Fluorene	X
Anthracene	X
Fluoranthene	X
Benz(a)anthracene	X
Chrysene	X
TOTAL METALS	
Antimony	X
Arsenic	X
Cadmium	X
Chromium	X
Copper	X
Lead	X
Mercury	X
Nickel	X
Selenium	X
Zinc	X
TPH	X

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TABLE 11-14
SUMMARY OF SURFACE WATER SAMPLES AND PARAMETERS ANALYZED
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

	Date Sampled	TPH EPA 418.1	TPH as Diesel EPA 8015 mod.	Dissolved Metals EPA 6010/7000	Total Metals EPA 6010/7000	Semivolatiles EPA 8270/8310
SW-1	11/5/93	X			X	X
SW-2	11/5/93	X			X	X
SW-3	11/5/93	X			X	X
SW-3	4/7/94			X	X	
SW-3	8/3/94		X		X	
SW-4	11/5/93	X			X	X
SW-5	11/5/93	X			X	X
SW-5	4/6/94			X	X	PAH
SW-5	8/2/94		X		X	PAH
SW-5	11/8/94		X			
SW-6	11/5/93	X			X	PAH
SW-6	4/7/94			X	X	
SW-6	8/2/94		X		X	
SW-6	11/9/94	X			X	
SW-7	4/7/94			X	X	
SW-7	11/9/94	X				

NOTES:

* - EPA 8310 is the analytical method for PAH compounds (Polycyclic Aromatic Hydrocarbons).

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TABLE 11-15
SUMMARY OF DATA
SURFACE WATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
DISSOLVED METALS (mg/L)								
Arsenic	4	0	4	0.001	0.001	ND	ND	ND
Chromium	4	0	4	0.01	0.01	ND	ND	ND
Lead	4	0	4	0.001	0.001	ND	ND	ND
TOTAL METALS (mg/L)								
Antimony	6	0	6	0.001	0.001	ND	ND	ND
Arsenic	13	0	13	0.001	0.001	ND	ND	ND
Beryllium	6	0	6	0.005	0.005	ND	ND	ND
Cadmium	6	0	6	0.0001	0.0001	ND	ND	ND
Chromium	13	0	13	0.01	0.01	ND	ND	ND
Copper	6	0	6	0.01	0.01	ND	ND	ND
Lead	13	0	13	0.001	0.001	ND	ND	ND
Mercury	6	0	6	0.0002	0.0002	ND	ND	ND
Nickel	6	0	6	0.02	0.02	ND	ND	ND
Selenium	6	0	6	0.001	0.001	ND	ND	ND
Silver	6	0	6	0.01	0.01	ND	ND	ND
Thallium	6	0	6	0.002	0.002	ND	ND	ND
Zinc	6	0	6	0.01	0.01	ND	ND	ND
SEMIVOLATILES (μg/L)								
Phenol	6	0	6	10	10	ND	ND	ND
bis-(2-Chloroethyl)ether	6	0	6	10	10	ND	ND	ND
2-Chlorophenol	6	0	6	10	10	ND	ND	ND
1,3-Dichlorobenzene	6	0	6	10	10	ND	ND	ND
1,4-Dichlorobenzene	6	0	6	10	10	ND	ND	ND
Benzyl Alcohol	6	0	6	10	10	ND	ND	ND
1,2-Dichlorobenzene	6	0	6	10	10	ND	ND	ND
2-Methylphenol	6	0	6	10	10	ND	ND	ND
bis(2-Chloroisopropyl) ether	6	0	6	10	10	ND	ND	ND
4-Methylphenol	6	0	6	10	10	ND	ND	ND
N-Nitroso-di-n-propylamine	6	0	6	10	10	ND	ND	ND
Hexachloroethane	6	0	6	10	10	ND	ND	ND
Nitrobenzene	6	0	6	10	10	ND	ND	ND
Isophorone	6	0	6	10	10	ND	ND	ND
2-Nitrophenol	6	0	6	10	10	ND	ND	ND
2,4-Dimethylphenol	6	0	6	50	50	ND	ND	ND
Benzoic Acid	6	0	6	10	10	ND	ND	ND
bis(2-Chloroethoxy)methane	6	0	6	10	10	ND	ND	ND
2,4-Dichlorophenol	6	0	6	10	10	ND	ND	ND
1,2,4-Trichlorobenzene	6	0	6	10	10	ND	ND	ND
Naphthalene	8	0	8	1.8	10	ND	ND	ND
4-Chloroaniline	6	0	6	10	10	ND	ND	ND
Hexachlorobutadiene	6	0	6	10	10	ND	ND	ND
4-Chloro-3-methylphenol	6	0	6	10	10	ND	ND	ND
2-Methylnaphthalene	6	0	6	10	10	ND	ND	ND
Hexachlorocylopentadiene	6	0	6	10	10	ND	ND	ND
2,4,6-Trichlorophenol	6	0	6	10	10	ND	ND	ND
2,4,5-Trichlorophenol	6	0	6	50	50	ND	ND	ND
2-Chloronaphthalene	6	0	6	10	10	ND	ND	ND
2-Nitroaniline	6	0	6	50	50	ND	ND	ND
Dimethyl phthalate	6	0	6	10	10	ND	ND	ND
Acenaphthylene	8	0	8	2.3	10	ND	ND	ND
2,6-Dinitrotoluene	6	0	6	50	50	ND	ND	ND
3-Nitroaniline	6	0	6	50	50	ND	ND	ND

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TABLE 11-15 (Continued)
SUMMARY OF DATA
SURFACE WATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Number of Samples	Number of Detects	Number BDL	Minimum Quantitation Limit	Maximum Quantitation Limit	Minimum Detected Concentration	Maximum Detected Concentration	Location Of Maximum Detected Concentration
N-nitrosodimethylamine	6	0	6	10	10	ND	ND	ND
Acenaphthene	6	0	6	10	10	ND	ND	ND
2,4-Dinitrophenol	6	0	6	50	50	ND	ND	ND
4-Nitrophenol	6	0	6	50	50	ND	ND	ND
Dibenzofuran	6	0	6	10	10	ND	ND	ND
2,4-Dinitrotoluene	6	0	6	10	10	ND	ND	ND
Diethylphthalate	6	0	6	10	10	ND	ND	ND
4-Chlorophenyl-phenylether	6	0	6	10	10	ND	ND	ND
Fluorene	8	0	8	0.21	10	ND	ND	ND
4-Nitroaniline	6	0	6	50	50	ND	ND	ND
4,6-Dinitro-2-methylphenol	6	0	6	50	50	ND	ND	ND
N-Nitrosodiphenylamine(1)	6	0	6	10	10	ND	ND	ND
4-Bromophenyl-phenylether	6	0	6	10	10	ND	ND	ND
Hexachlorobenzene	6	0	6	10	10	ND	ND	ND
Pentachlorophenol	6	0	6	50	50	ND	ND	ND
Phenanthrene	8	0	8	0.64	10	ND	ND	ND
Anthracene	8	0	8	0.66	10	ND	ND	ND
Di-n-butylphthalate	6	0	6	10	10	ND	ND	ND
Fluoranthene	8	1	7	0.21	10	0.4	0.4	SW-5
Pyrene	8	0	8	0.27	10	ND	ND	ND
Butylbenzylphthalate	6	0	6	10	10	ND	ND	ND
3,3'-Dichlorobenzidine	6	0	6	20	20	ND	ND	ND
Benzo(a)anthracene	8	0	8	0.02	10	ND	ND	ND
Bis(2-ethylhexyl)phthalate	6	1	5	10	10	23	23	SW-6
Chrysene	8	0	8	0.15	10	ND	ND	ND
Di-n-octyl phthalate	6	0	6	10	10	ND	ND	ND
Benzo(b)fluoranthene	8	0	8	0.02	10	ND	ND	ND
Benzo(k)fluoranthene	8	0	8	0.02	10	ND	ND	ND
Benzo(a)pyrene	8	0	8	0.03	10	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8	0	8	0.05	10	ND	ND	ND
Dibenz(a,h)anthracene	8	0	8	0.03	10	ND	ND	ND
Benzo(g,h,i)perylene	8	0	8	0.08	10	ND	ND	ND
Azobenzene	6	0	6	50	50	ND	ND	ND
Acenaphthene	2	0	2	1.8	1.8	ND	ND	ND
TPHs (mg/L)								
WTPH by 418.1	8	0	8	0.2	1	ND	ND	ND
WTPH as Diesel	5	2	3	0.2	0.2	0.1 J	0.1 J	SW-5

NOTES:

ND - Not detected
NA - Analytes were detected; see data for quantitation limits

TABLE 11-16
FINAL CHEMICALS OF INTEREST
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Soil		Sediment		Groundwater	Surface Water
	South Site	North Site	South Site	North Site		
DISSOLVED METALS						
Arsenic					X	
Chromium					X	
Lead					X	
TOTAL METALS						
Antimony	X	X			X	
Arsenic	X		X	X	X	
Beryllium	X					
Cadmium	X				X	
Chromium	X	X	X	X	X	
Copper	X	X	X	X	X	
Lead	X	X	X	X	X	
Mercury	X	X	X		X	
Nickel	X	X	X	X	X	
Selenium	X	X	X		X	
Thallium				X		
Zinc	X	X	X	X	X	
PCBs						
Aroclor 1254	X					
Aroclor 1260	X					
SEMIVOLATILES						
2-Methylnaphthalene	X					
Fluorene					X	
Anthracene					X	
Fluoranthene					X	
Benzo(a)anthracene					X	
Phenanthrene	X					
Di-n-butylphthalate	X					
Butylbenzylphthalate	X					
Di-n-octyl phthalate	X					
TPHs						
WTPH by 418.1	X	X	X	X		
WTPH as Diesel	X	X			X	X
WTPH as Gasoline	X					
VOLATILES						
Toluene	X				X	
Ethylbenzene	X					
Xylene (total)	X				X	

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TABLE 11-17

TOXICITY DATA FOR CHEMICALS OF INTEREST
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SOIL		SEDIMENT		Ground Water	Surface Water	Reference Dose		Cancer Potency Factor		Cancer Weight-of-Evidence	BCF
	South Site	North Site	South Site	North Site			Oral (mg/kg-day)	Inhalation (mg/kg-day)	Oral (kg-day/mg)	Inhalation (kg-day/mg)		
TOTAL METALS												
Antimony	X	X			X		0.0004	ND	ND	ND	ND	1
Arsenic	X	X	X	X	X (T&D)		0.0003	ND	1.75	50	A	44
Beryllium	X						0.005	ND	4.3	8.4	B2	19
Cadmium	X				X		0.001	ND	6.1*	6.1*	B1	64
Chromium	X	X	X	X	X (T&D)		0.005	ND	ND	41	A	16
Copper	X	X	X	X	X		0.37	ND	ND	ND	D	36
Lead	X	X	X	X	X (T&D)		ND	ND	ND	ND	B2	ND
Mercury	X	X	X		X		0.0003	0.0000857	ND	ND	D	ND
Nickel	X	X	X	X	X		0.02	ND	ND	ND	ND	47
Selenium	X	X	X		X		0.005	ND	ND	ND	D	ND
Thallium				X			0.0001	ND	ND	ND	D	116
Zinc	X	X	X	X	X		0.3	ND	ND	ND	D	47
PCBs												
Aroclor 1254	X						ND	ND	7.7	ND	B2	31200
Aroclor 1260	X						ND	ND	7.7	ND	B2	31200
SEMIVOLATILES												
2-Methylnaphthalene	X						ND	ND	ND	ND	ND	ND
Fluorene					X		0.04	ND	ND	ND	D	30
Anthracene					X		0.3	ND	ND	ND	D	30
Fluoranthene					X		0.04	ND	ND	ND	D	1150
Benzo(a)anthracene					X		ND	ND	7.3	ND	B2	30
Phenanthrene	X						ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	X						0.1	ND	ND	ND	D	89
Butylbenzylphthalate	X						0.2	ND	ND	ND	C	414
Di-n-octyl phthalate	X						0.02	ND	ND	ND	ND	ND
Chrysene					X		ND	ND	7.3	ND	B2	30
TPH	X	X	X	X	X	X	ND	ND	ND	ND	ND	ND
VOLATILES												
1,1-Dichloroethene					X		0.009	ND	0.6	1.2	C	5.6
Toluene	X						0.2	0.1143	ND	ND	D	10.7
Ethylbenzene	X						0.1	0.2857	ND	ND	D	37.5
Xylene (total)	X						2	ND	ND	ND	ND	ND

NOTES:

T - Total Metals

D - Dissolved Metals

* PAHs addressed per request of Ecology although not detected in sediment samples.

TABLE 11-18
INTAKE ASSUMPTIONS
METHOD B - SOIL
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Soil Cleanup Level (mg/kg) =

$$\frac{\text{RISK} * \text{ABW} * \text{LIFE} * \text{UCF1}}{\text{CPF} * \text{SIR} * \text{AB1} * \text{DUR} * \text{FOC}}$$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	1.00E-06	
ABW =	Lifetime average body weight:	16	kg
LIFE =	Lifetime	75	years
UCF1 =	Unit conversion factor	1.00E+06	mg/kg
CPF =	Cancer Potency Factor	chemical-specific	kg-day/mg
SIR =	Soil ingestion rate	200	mg/day
AB1=	Gastrointestinal absorption rate	1	
DUR =	Exposure duration	6	years
FOC =	Frequency of contact	1	

Noncarcinogenic Soil Cleanup Level (mg/kg) =

$$\frac{\text{RfD} * \text{ABW} * \text{UCF2} * \text{HQ}}{\text{SIR} * \text{AB1} * \text{FOC}}$$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:	16	kg
UCF2 =	Unit conversion factor	1E+06	mg/kg
HQ =	Hazard Quotient	1	
SIR =	Soil ingestion rate	200	mg/day
AB1=	Gastrointestinal absorption rate	1	
FOC =	Frequency of contact	1	

TABLE 11-19
INTAKE ASSUMPTIONS
METHOD C - SOIL
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Soil Cleanup Level (mg/kg) = $\frac{\text{RISK} * \text{ABW} * \text{LIFE} * \text{UCF1}}{\text{CPF} * \text{SIR} * \text{AB1} * \text{DUR} * \text{FOC}}$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	**1.00E-05**	
ABW =	Lifetime average body weight:	16	kg
LIFE =	Lifetime	75	years
UCF1 =	Unit conversion factor	1000000	mg/kg
CPF =	Cancer Potency Factor	chemical-specific	kg-day/mg
SIR =	Soil ingestion rate	**100**	mg/day
AB1 =	Gastrointestinal absorption rate	1	
DUR =	Exposure duration	6	years
FOC =	Frequency of contact	**0.5**	

Noncarcinogenic Soil Cleanup Level (mg/kg) = $\frac{\text{RfD} * \text{ABW} * \text{UCF2} * \text{HQ}}{\text{SIR} * \text{AB1} * \text{FOC}}$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:	16	kg
UCF2 =	Unit conversion factor	1E+06	mg/kg
HQ =	Hazard Quotient	1	
SIR =	Soil ingestion rate	**100**	mg/day
AB1 =	Gastrointestinal absorption rate	1	
FOC =	Frequency of contact	**0.5**	

TABLE 11-20
INTAKE ASSUMPTIONS
METHOD B - GROUNDWATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Groundwater Cleanup Level (μg/L) =

$$\frac{\text{RISK} * \text{ABW} * \text{LIFE} * \text{UCF}}{\text{CPF} * \text{DWIR} * \text{DUR} * \text{INH}}$$

Intake Parameter			units	
RISK =	Acceptable cancer risk level		1.00E-06	
ABW =	Lifetime average body weight:		70	kg
LIFE =	Lifetime		75	years
UCF =	Unit conversion factor		1000	μg/mg
CPF =	Cancer Potency Factor		chemical-specific	kg-day/mg
DWIR =	Drinking water ingestion rate		2	L/day
DUR =	Exposure duration		30	years
INH =	Inhalation correction factor		chemical-specific	

Noncarcinogenic Groundwater Cleanup Level (μg/L) =

$$\frac{\text{RfD} * \text{ABW} * \text{UCF} * \text{HQ}}{\text{DWIR} * \text{INH}}$$

Intake Parameter			units	
RfD =	Reference Dose		chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:		16	kg
UCF2 =	Unit conversion factor		1000	μg/mg
HQ =	Hazard Quotient		1	
DWIR =	Drinking water ingestion rate		1	L/day
INH =	Inhalation correction factor		chemical-specific	

TABLE 11-21
INTAKE ASSUMPTIONS
METHOD C - GROUNDWATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Groundwater Cleanup Level (μg/L) =

$$\frac{\text{RISK} * \text{ABW} * \text{LIFE} * \text{UCF}}{\text{CPF} * \text{DWIR} * \text{DUR} * \text{INH}}$$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	1.00E-05	
ABW =	Lifetime average body weight:	70	kg
LIFE =	Lifetime	75	years
UCF =	Unit conversion factor	1000	μg/mg
CPF =	Cancer Potency Factor	chemical-specific	kg-day/mg
DWIR =	Drinking water ingestion rate	2	L/day
DUR =	Exposure duration	30	years
INH =	Inhalation correction factor	chemical-specific	

Noncarcinogenic Groundwater Cleanup Level (μg/L) =

$$\frac{\text{RfD} * \text{ABW} * \text{UCF} * \text{HQ}}{\text{DWIR} * \text{INH}}$$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:	70	kg
UCF =	Unit conversion factor	1000	μg/mg
HQ =	Hazard Quotient	1	
DWIR =	Drinking water ingestion rate	2	L/day
INH =	Inhalation correction factor	chemical-specific	

TABLE 11-22
INTAKE ASSUMPTIONS
METHOD B - SURFACE WATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Surface Water Cleanup Level (mg/kg) = $\frac{\text{RISK} * \text{ABW} * \text{LIFE} * \text{UCF1} * \text{UCF2}}{\text{CPF} * \text{BCF} * \text{FCR} * \text{FDF} * \text{DUR}}$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	1.00E-06	
ABW =	Lifetime average body weight:	70	kg
LIFE =	Lifetime	75	years
UCF1 =	Unit conversion factor	1000	µg/mg
UCF2 =	Unit conversion factor	1000	g/L
CPF =	Cancer potency factor	chemical-specific	kg-day/mg
BCF =	Bioconcentration factor (fish)	chemical-specific	
FCR =	Fish consumption rate	54	g/day
FDF=	Fish diet fraction	0.5	
DUR =	Exposure duration	30	years

Noncarcinogenic Surface Water Cleanup Level (mg/kg) = $\frac{\text{RfD} * \text{ABW} * \text{UCF1} * \text{UCF2} * \text{HQ}}{\text{BCF} * \text{FCR} * \text{FDF}}$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg-day
ABW =	Lifetime average body weight:	70	kg
UCF1 =	Unit conversion factor	1000	µg/mg
UCF2 =	Unit conversion factor	1000	g/L
HQ =	Hazard Quotient	1	
BCF =	Bioconcentration factor (fish)	chemical-specific	
FCR =	Fish consumption rate	54	g/day
FDF=	Fish diet fraction	0.5	

TABLE 11-23
INTAKE ASSUMPTIONS
METHOD C - SURFACE WATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Surface Water Cleanup Level (mg/kg) =

$$\frac{RISK * ABW * LIFE * UCF1 * UCF2}{CPF * BCF * FCR * FDF * DUR}$$

Intake Parameter			units
RISK =	Acceptable cancer risk level	**1.00E-05**	
ABW =	Lifetime average body weight:	70	kg
LIFE =	Lifetime	75	years
UCF1 =	Unit conversion factor	1000	μg/mg
UCF2 =	Unit conversion factor	1000	g/L
CPF =	Cancer potency factor	chemical-specific	kg-day/mg
BCF =	Bioconcentration factor (fish)	chemical-specific	
FCR =	Fish consumption rate	54	g/day
FDF=	Fish diet fraction	**0.2**	
DUR =	Exposure duration	30	years

Noncarcinogenic Surface Water Cleanup Level (mg/kg) =

$$\frac{RfD * ABW * UCF1 * UCF2 * HQ}{BCF * FCR * FDF}$$

Intake Parameter			units
RfD =	Reference Dose	chemical-specific	mg/kg-day
ABW =	Lifetime average body weight:	70	kg
UCF1 =	Unit conversion factor	1000	μg/mg
UCF2 =	Unit conversion factor	1000	g/L
HQ =	Hazard Quotient	1	
BCF =	Bioconcentration factor (fish)	chemical-specific	
FCR =	Fish consumption rate	54	g/day
FDF=	Fish diet fraction	**0.2**	

TABLE 11-24
INTAKE ASSUMPTIONS
METHOD B - AIR
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Air Cleanup Level ($\mu g/m^3$)

$$\frac{RISK * BW * LIFE * UCF}{CPF * BR * ABS * DUR}$$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	1.00E-06	
BW =	Lifetime average body weight:	70	kg
LIFE =	Lifetime	75	years
UCF =	Unit conversion factor	1000	$\mu g/mg$
CPF =	Cancer Potency Factor	chemical-specific	kg-day/mg
BR =	Breathing Rate	20	m^3/day
DUR =	Exposure duration	30	years
ABS =	Absorption percentage	1	

Noncarcinogenic Air Cleanup Level ($\mu g/m^3$) =

$$\frac{RfD * ABW * UCF * HQ}{BR * ABS}$$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:	16	kg
UCF =	Unit conversion factor	1000	$\mu g/mg$
HQ =	Hazard Quotient	1	
BR =	Breathing Rate	10	m^3/day
ABS =	Absorption percentage	1	

TABLE 11-25
INTAKE ASSUMPTIONS
METHOD C - AIR
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Carcinogenic Air Cleanup Level ($\mu g/m^3$) =

$$\frac{RISK * BW * LIFE * UCF}{CPF * BR * ABS * DUR}$$

Intake Parameter		units	
RISK =	Acceptable cancer risk level	**1.00E-05**	
BW =	Lifetime average body weight:	70	kg
LIFE =	Lifetime	75	years
UCF =	Unit conversion factor	1000	$\mu g/mg$
CPF =	Cancer Potency Factor	chemical-specific	kg-day/mg
BR =	Breathing Rate	20	m^3/day
DUR =	Exposure duration	30	years
ABS =	Absorption percentage	1	

Noncarcinogenic Air Cleanup Level ($\mu g/m^3$) =

$$\frac{RfD * ABW * UCF * HQ}{BR * ABS}$$

Intake Parameter		units	
RfD =	Reference Dose	chemical-specific	mg/kg/day
ABW =	Lifetime average body weight:	**70**	kg
UCF =	Unit conversion factor	1000	$\mu g/mg$
HQ =	Hazard Quotient	1	
BR =	Breathing Rate	**20**	m^3/day
ABS =	Absorption percentage	1	

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TABLE 11-26

SUMMARY OF DATA
NORTH SITE SOIL
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
TOTAL METALS (mg/kg)											
Antimony	0.2	0.119	0.046	1.895	0.149	0.149	0.111	1.51	2.218	0.171	0.171
Arsenic	12	7.09	4.64	1.895	10.2	10.2	2.98	8.19	6.909	6,595	12.0
Chromium	58.3	34.8	11.8	1.895	42.6	42.6	33.3	1.36	2.076	44.4	44.4
Copper	41.6	29.6	9.80	1.895	36.2	36.2	28.1	1.43	2.076	39.6	39.6
Lead	1,897	293	651	1.895	730	730	50.8	7.51	6.297	47,174	1,897
Mercury	0.16	0.053	0.055	1.895	0.090	0.090	0.031	3.11	3.982	0.320	0.160
Nickel	37.8	29.4	6.02	1.895	33.5	33.5	28.9	1.23	1.955	34.3	34.3
Selenium	0.3	0.119	0.088	1.895	0.178	0.178	0.096	1.95	2.571	0.231	0.231
Zinc	222	109	81.3	1.895	164	164	84.0	2.19	2.78	261	222
TPHs (mg/kg)											
WTPH by 418.1	27,000	2,699	7,753	1.796	6,719	6,719	171	7.87	4.962	31,595	27,000
WTPH as Diesel	12,172	1,287	3,413	1.782	2,974	2,974	88.9	10.5	5.791	71,667	12,172

Notes:

ND - Not detected.

One half the detection limit used in statistics.

TABLE 11-27
SUMMARY OF DATA
SOUTH SITE SOIL
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
TOTAL METALS (mg/kg)											
Antimony	18	1.12	2.84	1.677	1.80	1.80	0.320	4.12	3.151	1.66	1.66
Arsenic	64	12.8	11.3	1.677	15.5	15.5	9.67	2.08	2.087	15.8	15.8
Beryllium	0.71	0.518	0.517	1.677	0.642	0.642	0.374	2.11	2.087	0.618	0.618
Cadmium	3.7	0.681	0.684	1.677	0.845	0.845	0.476	2.29	2.187	0.870	0.870
Chromium	56	28.3	10.5	1.677	30.8	30.8	26.6	1.44	1.778	31.1	31.1
Copper	323	77.7	72.6	1.677	95.1	95.1	56.3	2.17	2.087	95.9	95.9
Lead	3,600	344	611	1.676	488	488	103	5.62	3.401	1,055	1,055
Mercury	0.3	0.062	0.055	1.677	0.075	0.075	0.044	2.36	2.187	0.084	0.084
Nickel	71.9	29.8	10.7	1.677	32.4	32.4	28.2	1.39	1.778	32.5	32.5
Selenium	0.3	0.140	0.079	1.677	0.159	0.159	0.120	1.79	1.913	0.166	0.166
Thallium	0.3	0.135	0.060	1.677	0.149	0.149	0.125	1.44	1.778	0.147	0.147
Zinc	460	138	106	1.677	164	164	108	1.99	1.995	168	168
PCBs (μg/kg)											
Aroclor 1254	1,200	117	191	1.69	171	171	83.3	1.96	2.006	131	131
Aroclor 1260	137 J	87.1	13.0	1.688	90.7	90.7	85.9	1.19	1.696	91.7	91.7
SEMIVOLATILES (μg/kg)											
2-Methylnaphthalene	8,300	961	2,437	1.812	2,292	2,292	289	3.29	3.403	2,113	2,113
Phenanthrene	7,500	844	2,208	1.812	2,050	2,050	248	3.12	3.403	1,612	1,612
TPH (mg/kg)											
WTPH by 418.1	14,000	915	2,195	1.675	1,420	1,420	133	8.37	3.97	4,083	4,083
WTPH as Diesel	12,000	1,164	2,487	1.677	1,760	1,760	69.0	17.7	5.364	39,798	12,000
WTPH as Gasoline	6	3.30	1.52	2.132	4.75	4.75	3.09	1.46	2.402	5.24	5.24
VOLATILES (μg/kg)											
Toluene	2,000	112	380	1.701	233	233	12.3	5.58	3.635	176	176
Ethylbenzene	7,800	311	1,446	1.701	768	768	12.6	6.32	3.792	257	257
Xylene (total)	9,600	400	1,779	1.701	962	962	14.8	7.66	3.803	509	509

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TABLE 11-28

STATISTICAL SUMMARY
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
METALS (mg/kg)											
Arsenic	50	12.7	18.5	2.015	27.9	27.9	6.69	3.10	4.905	152	50.0
Chromium	34	24.6	5.27	2.015	29.0	29.0	24.2	1.22	2.095	29.8	29.8
Copper	15.7	13.9	1.77	2.015	15.4	15.4	13.8	1.14	1.961	15.7	15.7
Lead	8.3	4.80	2.13	2.015	6.55	6.55	4.43	1.55	2.467	7.89	7.89
Nickel	33.5	22.8	6.03	2.015	27.7	27.7	22.2	1.28	2.095	28.7	28.7
Thallium	0.3	0.150	0.084	2.015	0.219	0.219	0.135	1.62	2.467	0.257	0.257
Zinc	42.1	35.5	4.71	2.015	39.3	39.3	35.2	1.14	1.961	39.8	39.8
WTPH by 418.1 (mg/kg)	6,900	1,352	2,744	2.015	3,609	3,609	200	8.02	8.067	3,204,141	6,900

Notes:

One half the detection limit used in statistics.

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TABLE 11-29

STATISTICAL SUMMARY
SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
METALS (mg/kg)											
Arsenic	20	14.0	8.49	6.314	51.9	20.0	12.6	1.91	NA	NA	NA
Chromium	30.1	27.2	4.10	6.314	45.5	30.1	27.0	1.16	NA	NA	NA
Copper	36.4	35.5	1.27	6.314	41.2	36.4	35.5	1.04	NA	NA	NA
Lead	64.1	45.5	26.4	6.314	163	64.1	41.4	1.85	NA	NA	NA
Mercury	0.05	0.045	0.007	6.314	0.077	0.050	0.045	1.17	NA	NA	NA
Nickel	39.9	32.0	11.2	6.314	82.1	39.9	30.9	1.43	NA	NA	NA
Selenium	0.1	0.075	0.035	6.314	0.233	0.100	0.071	1.63	NA	NA	NA
Zinc	150	128	31.8	6.314	270	150	125	1.29	NA	NA	NA
WTPH by 418.1 (mg/kg)	99 J	98.0	1.41	6.314	104	99.0	98.0	1.01	NA	NA	NA

Notes:

One half the detection limit used in statistics.

TABLE 11-30

STATISTICAL SUMMARY
GROUNDWATER
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
DISSOLVED METALS (mg/L)											
Arsenic	0.011	0.002	0.003	1.687	0.003	0.003	0.001	3.07	2.685	0.004	0.004
Chromium	0.01 B	0.005	0.001	1.687	0.005	0.005	0.005	1.48	1.787	0.006	0.006
Lead	0.003	0.001	0.000	1.688	0.001	0.001	0.001	1.44	1.788	0.001	0.001
TOTAL METALS (mg/L)											
Antimony	0.02	0.003	0.005	1.753	0.005	0.005	0.001	3.21	3.046	0.007	0.007
Arsenic	0.54	0.061	0.126	1.701	0.100	0.100	0.017	5.68	3.635	0.250	0.250
Cadmium	0.0003	0.000	0.000	1.753	0.000	0.000	0.000	3.07	3.046	0.001	0.000
Chromium	0.4	0.071	0.095	1.701	0.101	0.101	0.029	4.42	3.16	0.210	0.210
Copper	0.32	0.066	0.100	1.753	0.110	0.110	0.025	4.27	3.634	0.284	0.284
Lead	0.15	0.020	0.031	1.701	0.029	0.029	0.007	5.46	3.475	0.085	0.085
Mercury	0.0007	0.000	0.000	1.753	0.000	0.000	0.000	1.86	2.165	0.000	0.000
Nickel	0.37	0.066	0.097	1.753	0.108	0.108	0.030	3.42	3.243	0.181	0.181
Selenium	0.002	0.002	0.003	1.753	0.003	0.002	0.001	2.93	2.714	0.004	0.002
Zinc	0.52	0.078	0.132	1.753	0.136	0.136	0.030	4.21	3.634	0.323	0.323
SEMIVOLATILES (ug/L)											
Fluorene	48	5.32	8.47	1.69	7.71	7.71	2.31	4.77	3.073	17.6	17.6
Anthracene	9.2	4.39	4.19	1.688	5.55	5.55	2.86	2.95	2.418	7.94	7.94
Fluoranthene	52 J	6.50	9.12	1.688	9.03	9.03	3.15	4.38	3.161	20.5	20.5
Benzo(a)anthracene	3.00	3.92	4.30	1.688	5.11	3.00	1.48	7.56	3.807	41.3	3.00
Chrysene	2.00	3.81	4.35	1.688	5.02	2.00	1.50	6.10	3.793	24.1	2.00
WTPH as Diesel (mg/L)	37	1.03	4.16	1.664	1.79	1.79	0.196	5.34	3.25	1.45	1.45
VOLATILES (ug/L)											
1,1-Dichloroethene	1 J	2.38	0.416	1.782	2.59	1.00	2.33	1.29	1.832	2.75	1.00
Toluene	2	1.85	0.875	1.729	2.19	2.00	1.56	1.95	2.101	2.70	2.00
Xylene (total)	22	3.25	4.59	1.729	5.02	5.02	2.07	2.52	2.458	5.33	5.33

ND - Not detected.

One half the detection limit used in statistics.

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TABLE 11-31
STATISTICAL SUMMARY
SURFACE WATER
BNRR FORMER MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation	One Tail t-Statistic at 95%	Normal Upper 95% Confidence Limit	Normal Source Concentration	Geometric Mean	Geometric Standard Deviation	One Tail H-Statistic at 95%	Lognormal Upper 95% Confidence Limit	Lognormal Source Concentration
TPH (mg/L)											
WTPH as Diesel	0.1 J	0.100	0.000	2.132	0.100	0.100	0.100	1.00	ERR	0.100	0.100

NOTE:

One-half the detection limit used in statistics.

TABLE 11-32

AIR MODEL EXPOSURE POINT CONCENTRATIONS
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

	South Site Soil Exposure Concentration				North Site Soil Exposure Concentration			
Compound	95% UCL ug/kg	Volatiles mg/m³	Dust mg/m³	Total mg/m³	95% UCL ug/kg	Volatiles mg/m³	Dust mg/m³	Total mg/m³
Antimony	1800	0.00E+00	1.49E-09	1.49E-09	149	0.00E+00	1.23E-10	1.23E-10
Arsenic	15500	2.42E-09	1.28E-08	1.52E-08	10200	1.59E-09	8.42E-09	1.00E-08
Beryllium	642	0.00E+00	5.30E-10	5.30E-10	0	0.00E+00	0.00E+00	0.00E+00
Cadmium	845	1.38E-12	6.98E-10	6.99E-10	0	0.00E+00	0.00E+00	0.00E+00
Chromium	30800	4.80E-09	2.54E-08	3.02E-08	42600	6.65E-09	3.52E-08	4.18E-08
Copper	95100	1.48E-08	7.85E-08	9.33E-08	36200	5.65E-09	2.99E-08	3.55E-08
Lead	488000	3.55E-09	4.03E-07	4.07E-07	730000	5.31E-09	6.03E-07	6.08E-07
Mercury	75	1.53E-05	6.19E-11	1.53E-05	90	1.84E-05	7.43E-11	1.84E-05
Nickel	32400	0.00E+00	2.67E-08	2.67E-08	33500	0.00E+00	2.77E-08	2.77E-08
Selenium	159	0.00E+00	1.31E-10	1.31E-10	178	0.00E+00	1.47E-10	1.47E-10
Thallium	149	0.00E+00	1.23E-10	1.23E-10	0	0.00E+00	0.00E+00	0.00E+00
Zinc	164000	2.56E-08	1.35E-07	1.61E-07	164000	2.56E-08	1.35E-07	1.61E-07
Aroclor 1254	171	2.25E-07	1.41E-10	2.25E-07	0	0.00E+00	0.00E+00	0.00E+00
Aroclor 1260	90.7	1.20E-07	7.49E-11	1.20E-07	0	0.00E+00	0.00E+00	0.00E+00
2-Methylnaphthalene	2292	8.26E-05	1.89E-09	8.26E-05	0	0.00E+00	0.00E+00	0.00E+00
Phenanthrene	2050	4.02E-06	6.98E-11	4.02E-06	0	0.00E+00	0.00E+00	0.00E+00
Di-n-butyl phthalate	115	2.81E-09	9.49E-11	2.90E-09	0	0.00E+00	0.00E+00	0.00E+00
Butyl benzyl phthalate	300	5.82E-05	2.48E-10	5.82E-05	0	0.00E+00	0.00E+00	0.00E+00
Di-n-octyl phthalate	337	0.00E+00	2.78E-10	2.78E-10	0	0.00E+00	0.00E+00	0.00E+00
Toluene	223	4.89E-06	7.60E-12	4.89E-06	0	0.00E+00	0.00E+00	0.00E+00
Ethylbenzene	768	8.25E-06	2.62E-11	8.25E-06	0	0.00E+00	0.00E+00	0.00E+00
Xylenes	962	1.29E-05	1.09E-11	1.29E-05	0	0.00E+00	0.00E+00	0.00E+00

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TABLE 11-33

ECOLOGICAL CHEMICALS OF INTEREST
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SEDIMENT SOUTH SITE (mg/kg)	SEDIMENT NORTH SITE (mg/kg)	SURFACE WATER (mg/L)
TOTAL METALS			
Arsenic	27.9	20	
Chromium	29	30.1	
Copper	15.4	36.4	
Lead	6.55	64.1	
Mercury	ND	0.05	
Nickel	27.7	39.9	
Selenium	ND	0.1	
Thallium	0.219	ND	
Zinc	39.3	150	
PAHs			
Benzo(a)anthracene		0.11	
Benzo(a)pyrene		0.13	
Benzo(b)fluoranthene		0.26	
Benzo(g,h,i)perylene		0.17	
Benzo(k)fluoranthene		0.8	
Fluoranthene		0.2	
Indeno(1,2,3-cd)pyrene		0.13	
Phenanthrene		0.18	
Pyrene		0.3	
TPHs	3609	99	0.1

* PAHs addressed per request of Ecology although not detected in sediment samples.

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TABLE 11-34

SEDIMENT BENCHMARKS COMPARED TO SITE CONCENTRATIONS
NORTH SITE AND SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

TOTAL METALS AND TPH						
	Sediment Concentrations (mg/kg)		Sediment Qualtiy Criteria (mg/kg)			
Compounds	North Site	South Site	Effects Range Low (ER-L)	Effects Range Median (ER-M)	AET	Lowest Effect Level
Total Metals						
Arsenic	20	27.9	8.2	70	57	6
Chromium	30.1	29	81	370	260	26
Copper	36.4	15.4	34	270	390	16
Lead	64.1	6.55	46.7	218	450	31
Mercury	0.05	ND	0.15	0.71	0.41	0.2
Nickel	39.9	27.7	20.9	51.6	NA	16
Selenium	0.1	ND	NA	NA	NA	NA
Thallium	ND	0.219	NA	NA	NA	NA
Zinc	150	39.3	150	410	410	120
TPH (mg/kg)	99	3609	NA	NA	NA	NA

HYPOTHETICAL PAHS					
	Sediment Concentrations*	Sediment Qualtiy Criteria (mg/kg)			
Compounds	North Site (mg/kg)	Effects Range Low (ER-L)	Effects Range Median (ER-M)	AET	Lowest Effect Level
PAHs					
Benzo(a)anthracene	0.11	0.261	1.6	NA	1.3***
Benzo(a)pyrene	0.13	0.43	1.6	NA	NA
Benzo(b)fluoranthene	0.26	NA	NA	NA	NA
Benzo(g,h,i)perylene	0.17	NA	NA	NA	NA
Benzo(k)fluoranthene	0.8	NA	NA	NA	NA
Fluoranthene	0.2	0.6	5.1	NA	1.8***
Indeno(1,2,3-cd)pyrene	0.13	NA	NA	NA	NA
Phenanthrene	0.18	0.24	1.5	NA	0.14***
Pyrene	0.3	0.665	2.6	NA	1.3***

NOTES:

Sediment concentrations are the exposure point concentrations (the upper 95th percentile on the arithmetic mean or the maximum, whichever is lower) for metals and TPH.

* PAHs addressed per request of Ecology although not detected in sediments. PAH concentrations were derived from North Site soil sample with the highest PAH concentrations (MW-39).

** EPA Interim Sediment Criteria for Nonpolar Organics (chronic) - EPA, 1988.

*** EPA Interim Criteria (chronic), 1988.

Effects Range Low (ER-L) and Effects Range Median (ER-M)source: Long 1994.

AET - Apparent Effects Threshold - Washington State Sediment Criteria as cited in Hull 1993.

NA - data not available

ND - not a chemical of interest in that area

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TABLE 11-35

EXPOSURE EFFECTS RATIOS FOR TOTAL METALS AND TPH
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Sediment Concentrations* North Site (mg/kg)	Sediment Qualtiy Criteria (mg/kg)				Exposure Effects Ratio			
		Effects Range Low (ER-L)	Effects Range Median(ER-M)	AET	Lowest Effect Level	for Effects Range Low (ER-L)	for Effects Range Median(ER-M)	for AET	for Lowest Effect Level
Total Metals									
Arsenic	20	8.2	70	57	6	2.44	0.29	0.35	3.33
Chromium	30.1	81	370	260	26	0.37	0.08	0.12	1.16
Copper	36.4	34	270	390	16	1.07	0.13	0.09	2.28
Lead	64.1	46.7	218	450	31	1.37	0.29	0.14	2.07
Mercury	0.05	0.15	0.71	0.41	0.2	0.33	0.07	0.12	0.25
Nickel	39.9	20.9	51.6	NA	16	1.91	0.77	ND	2.49
Selenium	0.1	NA	NA	NA	NA	ND	ND	ND	ND
Thallium	ND	NA	NA	NA	NA	ND	ND	ND	ND
Zinc	150	150	410	410	120	1.00	0.37	0.37	1.25
TPHs (mg/kg)	99	NA	NA	NA	NA	ND	ND	ND	ND

NOTES:

* Sediment concentrations are the exposure point concentrations (the upper 95th percentile on the arithmetic mean or the maximum, whichever is lower) for metals and TPH.

Effects Range Low (ER-L) and Effects Range Median (ER-M) source: Long 1994.

AET - Apparent Effects Threshold - Washington State Sediment Criteria as cited in Hull 1993.

Lowest Effect Level source is the Ontario Ministry of the Environment (1990).

NA - data not available

ND - not a chemical of interest in that area or EER cannot be calculated due to absence of data.

REIEC

TABLE 11-36

EXPOSURE EFFECTS RATIOS FOR HYPOTHETICAL PAHS
NORTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Sediment Concentrations North Site (mg/kg)	Sediment Qualtiy Criteria (mg/kg)				Exposure Effects Ratio			
		Effects Range Low (ER-L)	Effects Range Median(ER-M)	AET	Lowest Effect Level	for Effects Range Low (ER-L)	for Effects Range Median(ER-M)	for AET	for Lowest Effect Level
PAHs									
Benzo(a)anthracene	0.11	0.261	1.6	NA	1.3	0.42	0.07	ND	0.08
Benzo(a)pyrene	0.13	0.43	1.6	NA	NA	0.30	0.08	ND	ND
Benzo(b)fluoranthene	0.26	NA	NA	NA	NA	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.17	NA	NA	NA	NA	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	NA	NA	NA	NA	ND	ND	ND	ND
Fluoranthene	0.2	0.6	5.1	NA	1.8	0.33	0.04	ND	0.11
Indeno(1,2,3-cd)pyrene	0.13	NA	NA	NA	NA	ND	ND	ND	ND
Phenanthrene	0.18	0.24	1.5	NA	0.14	0.75	0.12	ND	1.29
Pyrene	0.3	0.665	2.6	NA	1.3	0.45	0.12	ND	0.23

NOTES:

PAHs addressed per request of Ecology although not detected in sediments. PAH concentrations were derived from North Site soil sample with the highest PAH concentrations (MW-39).

Effects Range Low (ER-L) and Effects Range Median (ER-M)source: Long 1994.

AET - Apparent Effects Threshold - Washington State Sediment Criteria as cited in Hull 1993.

NA - data not available

ND - not a chemical of interest in that area or EER cannot be calculated due to absence of data.

REIEC

TABLE 11-37

EXPOSURE EFFECTS RATIOS FOR TOTAL METALS AND TPH
SOUTH SITE SEDIMENT
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	Sediment Concentrations* South Site (mg/kg)	Sediment Qualtiy Criteria (mg/kg)				Exposure Effects Ratio			
		Effects Range Low (ER-L)	Effects Range Median(ER-M)	AET	Lowest Effect Level	for Effects Range Low (ER-L)	for Effects Range Median(ER-M)	for AET	for Lowest Effect Level
Total Metals									
Arsenic	27.9	8.2	70	57	6	3.40	0.40	0.49	4.65
Chromium	29	81	370	260	26	0.36	0.08	0.11	1.12
Copper	15.4	34	270	390	16	0.45	0.06	0.04	0.96
Lead	6.55	46.7	218	450	31	0.14	0.03	0.01	0.21
Mercury	ND	0.15	0.71	0.41	0.2	ND	0.00	ND	ND
Nickel	27.7	20.9	51.6	NA	16	1.33	0.54	ND	1.73
Selenium	ND	NA	NA	NA	NA	ND	ND	ND	ND
Thallium	0.219	NA	NA	NA	NA	ND	ND	ND	ND
Zinc	39.3	150	410	410	120	0.26	0.10	0.10	0.33
TPHs (mg/kg)	3609	NA	NA	NA	NA	ND	ND	ND	ND

NOTES:

* Sediment concentrations are the exposure point concentrations (the upper 95th percentile on the arithmetic mean or the maximum, whichever is lower) for metals and TPH.

Effects Range Low (ER-L) and Effects Range Median (ER-M) source: Long 1994.

AET - Apparent Effects Threshold - Washington State Sediment Criteria as cited in Hull 1993.

Lowest Effect Level source is the Ontario Ministry of the Environment (1990).

NA - data not available

ND - not a COI in this area or EER cannot be determined due to lack of sediment concentration or benchmark data.

TABLE 12-1

SITE GROUNDWATER CONCENTRATIONS AND CLEANUP LEVELS (μg/l)
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SITE GROUNDWATER QUALITY Total	SITE GROUNDWATER QUALITY Dissolved	DRINKING WATER STANDARD (MCL) (1)	MTCA- GROUND-WATER - INGESTION METHOD B	MTCA- GROUND-WATER - INGESTION METHOD C	EPA AMBIENT WATER QUALITY CRITERIA (2) Aquatic	EPA AMBIENT WATER QUALITY CRITERIA (2) Humans	SURFACE WATER QUALITY STD (3)	MTCA- SURFACE WATER - INGESTION METHOD B	MTCA- SURFACE WATER - INGESTION METHOD C	SITE CLEANUP LEVEL
METALS											
Antimony	5.0	--	6.0	6.4	14	NC	4,300	NC	1,040	2,590	6.0
Arsenic	100	3.0	50	0.05	0.5	190	0.14	190	0.084	2.1	**0.05**
Cadmium (a)	0.3	--	5.0	8.0	17.5	1.1	170	1.1	20	51	1.1
Chromium (b)	101	5.0	100	80	175	11	3,400	11	810	2,030	**11**
Copper (a)	110	--	1,300 (T)	592	1300	12	NC	12	2,660	6,660	**12**
Lead (a)	29	1.0	15 (T)	--	--	3.2	NC	3.2	--	--	**3.2**
Mercury	0.25	--	2.0	4.8	10.5	0.012	0.15	0.012	--	--	**0.012**
Nickel (a)	108	--	100	320	700	160	4,600	160	1,100	2,760	100
Selenium	2.0	--	NC	80	175	5.0	6,800	5.0	--	--	5.0
Zinc (a)	136	--	5,000 (S)	4,800	10,500	110	NC	110	16,500	41,400	**110**
SEMIVOLATILES											
Fluorene	7.7	--	NC	640	1,400	NC	14,000	NC	3,460	8,640	640
Anthracene	5.6	--	NC	4,800	10,500	NC	110,000	NC	25,900	64,800	4,800
Fluoranthene	9.0	--	NC	640	1,400	NC	370	NC	90	225	90
Chrysene	2.0		0.2 (P)	0.012	0.12	NC	0.031		0.030	0.74	**0.012**
Benzo(a)anthracene	3.0	--	0.1 (P)	0.012	0.12	NC	0.031	NC	0.030	0.74	**0.012**
TPH	1,790	--	NC	--	--	NC	NC	NC	--	--	**1.0** (A)
VOLATILES											
Toluene	2.0	--	1,000	1,600	3,500	NC	200,000	NC	48,500	121,000	1,000
1,1-Dichloroethene	1.0		7.0	0.073	0.73	NC	3.2	NC	2	48	**0.073**
Xylene (total)	5.0	--	10,000	16,000	35,000	NC	NC	NC	--	--	10,000

NOTES:

(a) EPA aquatic life criteria and Ecology surface water quality criteria based on 100 mg/l CaCO3
(b) Toxicity data provided for Cr (IV)
--Insufficient Data to Calculate
NC - No criteria or standard established

T - EPA Action Level; lead applies at tap
P - Proposed MCL, not finalized
S - Secondary MCL, not health based
A -MTCA Method A gw cleanup value. Value is not health-based but is meant to prevent objectionable taste or odor.

1 - EPA and Ecology (WAC 246-290-310) regulations
2 - EPA Section 304(a) Criteria. Human health criteria based on food (aquatic organisms) ingestion only.
3 - WAC-173-201A-040

Indicates that Site data exceed cleanup level

TABLE 12-2

SOIL QUALITY DATA AND MTCA CLEANUP LEVELS (mg/kg)
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

Compounds	SITE SOIL QUALITY DATA			STATE BACK-GROUND	RESIDENTIAL SOIL CLEANUP LEVELS			100 x GW CLEANUP LEVEL	SITE CLEANUP LEVEL
	South Site	North Site	Back-ground		METHOD A (1)	METHOD B	METHOD C		
METALS									
Antimony	1.8	0.15	<0.3	5.0	NA	32	128	0.6	32
Arsenic	15.5	10.2	31	7.0	20	1.4	57	0.005	57
Beryllium	0.64	NA	<0.6	1.4	NA	0.23	9.3	NA	9.3
Cadmium	0.85	NA	<0.6	1.0	2.0	0.16	22	0.11	22
Chromium	30.8	42.6	41.7	41.9	100	400	1,600	1.1	400
Copper	95.1	36.2	26.2	36.0	NA	2,960	11,800	1.2	2,960
Lead	488	730	28.2	17.1	250	--	--	0.32	**250**
Mercury	0.075	0.09	0.06	0.07	1.0	24	96	0.0012	24
Nickel	32.4	33.5	33.7	38.2	NA	1,600	6,400	16	1,600
Selenium	0.16	0.18	0.10	0.78	NA	400	1,600	0.5	400
Thallium	0.15	NA	0.30	<5.0	NA	6	22	NA	5.6
Zinc	164	164	75.3	85.8	NA	24,000	96,000	11	24,000
PCBs									
Aroclor 1254	0.17	NA	NA	NA	1.0	0.13	5.2	NA	**0.13**
Aroclor 1260	0.091	NA	NA	NA	1.0	0.13	5.2	NA	0.13
SEMIVOLATILES									
2-Methylnaphthalene	2.3	NA	NA	NA	NA	--	--	NA	NA
Phenanthrene	2.05	NA	NA	NA	NA	--	--	NA	NA
TPH									
WTPH by 418.1	1,420	6,719	NA	NA	200	--	--	NA	**200**
WTPH as Diesel	1,760	2,974	NA	NA	200	--	--	NA	**200**
WTPH as Gasoline	4.75	NA	NA	NA	100	--	--	NA	100
VOLATILES									
Toluene	0.23	NA	NA	NA	40	16,000	64,000	100	40
Ethylbenzene	0.77	NA	NA	NA	20	8,000	32,000	NA	20
Xylene (total)	0.96	NA	NA	NA	20	160,000	640,000	1,000	20

NOTES:

1 - Method A applies only to routine cleanup action and is not applicable for the Skykomish site. Method A values are presented in this table in response to a specific request from Ecology

NA - Not Applicable; no cleanup level specified in Method A, or compound not analyzed for or not a COI for this media

-- - Insufficient data to calculate

Indicates that site data exceed cleanup value

TABLE 12-3

CALCULATED AIR CONCENTRATIONS AND CLEANUP LEVELS ($\mu g/m^3$)
BNRR MAINTENANCE AND FUELING FACILITY SITE
SKYKOMISH, WASHINGTON

Compound	CALCULATED AIR CONCENTRATION		AIR CLEANUP LEVEL	
	SOUTH SITE	NORTH SITE	MTCA METHOD B	MTCA METHOD C
METALS				
Antimony	1.49E-09	1.23E-10	--	--
Arsenic	1.52E-08	9.98E-09	1.50E-07	1.50E-06
Beryllium	5.30E-10	NA	8.93E-07	8.93E-06
Cadmium	6.99E-10	NA	--	--
Chromium	3.02E-08	4.18E-08	1.83E-07	1.83E-06
Copper	9.33E-08	3.55E-08	--	--
Lead	4.07E-07	6.08E-07	--	--
Mercury	1.53E-05	1.84E-05	1.37E-04	3.00E-04
Nickel	2.67E-08	2.77E-08	--	--
Selenium	1.31E-10	1.47E-10	--	--
Thallium	1.23E-10	NA	--	--
Zinc	1.61E-07	1.61E-07	--	--
PCBs				
Aroclor 1254	2.25E-07	NA	--	--
Aroclor 1260	1.20E-07	NA	--	--
SEMIVOLATILES				
2-Methylnaphthalene	8.26E-05	NA	--	--
Phenanthrene	4.02E-06	NA	--	--
VOLATILES				
Toluene	4.89E-06	NA	1.83E-01	4.00E-01
Ethylbenzene	8.25E-06	NA	4.57E-01	1.00E+00
Xylenes (total)	1.29E-05	NA	--	--

-- Indicates insufficient data to calculate cleanup level
NA - Not Applicable, compound not a COI for this media

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TABLE 12-4

REMEDIAL ACTION OBJECTIVES AND CLEANUP STANDARDS
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

REMEDIAL ACTION OBJECTIVE	CLEANUP STANDARD
Protect humans from exposure to chemicals of interest in soil above protective levels	Prevent exposure of humans to soils within the upper 15 ft that contain concentrations above: 0.13 mg/kg PCBs All other soil COI are below appropriate risk-based cleanup levels
Protect humans from exposure to chemicals of interest in groundwater above protective levels.	Prevent human ingestion of groundwater that contains concentrations above: 0.05 μg/L arsenic 80 μg/L chromium 100 μg/L nickel 0.01 μg/L benzo(a)anthracene 0.01 μg/L chrysene All other groundwater COI are below risk-based cleanup levels or MCLs
Protect humans from exposure to chemicals of interest in aquatic organisms above protective levels.	Prevent discharges of groundwater to surface water that cause surface water concentrations to be exceed: 0.084 μg/L arsenic 0.15 μg/L mercury 0.03 μg/L benzo(a)anthracene 0.03 μg/L chrysene All other groundwater COI are below ambient water quality criteria to protect human health
Protect aquatic life from exposure to chemicals of interest above protective levels	Prevent LNAPL seeps and discharges of groundwater to surface water that cause surface water concentrations to exceed: 11 μg/L chromium (VI) 12 μg/L copper 3.2 μg/L lead 0.012 μg/L mercury 110 μg/L zinc All other groundwater COI are below ambient water quality criteria to protect aquatic life
Comply with applicable laws and standards	Address soil and groundwater that exceed the following Method A cleanup levels: 200 mg/kg TPH in soil 1 mg/L TPH in groundwater 250 mg/kg lead in soil 5 μg/L lead in groundwater All other site soil and groundwater COI are addressed above with risk-based valu

TABLE 12-5
POTENTIAL REQUIREMENTS CONSIDERED FOR DEVELOPMENT OF CLEANUP OBJECTIVES
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

AUTHORIZING STATUTE	IMPLEMENTING REGULATION	POTENTIALLY APPLICABLE?	RATIONALE
Chemical-Specific Requirements			
Clean Water Act 33 USC 1251-1387	Water Quality Standards 40 CFR 131	Yes	Groundwater discharges to surface waters that support aquatic life.
Safe Drinking Water Act 42 USC 300f-300j-11	Drinking Water Standards 40 CFR 141 and 143	Yes	Groundwater is used as a potable supply in the area of the Site.
Model Toxics Control Act RCW 70.105D	MTCA Cleanup Regulations WAC 173-340	Yes	Establishes cleanup standards for soil, groundwater, surface water and air.
Water Pollution Control Act RCW 90.48	Water Quality Standards for Surface Water WAC 173-201A	Yes	Establishes narrative and numeric standards for waters of the state.
Water Pollution Control Act RCW 90.48	Water Quality Standards for Groundwater WAC 173-201A	No	Cleanup actions under MTCA are exempt from the groundwater standards.
Public Water Supplies RCW 43.29	Maximum Contaminant Levels WAC 246-290	Yes	Groundwater used as potable supply in the Site area.
Location-Specific Requirements			
Floodplain Management Executive Order 11988	Procedures on Floodplain Management, 40 CFR 6, Appendix A	Yes	Will apply if cleanup activities occur within the floodplain.
Protection of Wetlands Executive Order 11988	Procedures on Wetlands Protection, 40 CFR 6, Appendix A	No	No adjacent wetlands so cleanup activities will not impact wetlands
Resource Conservation and Recovery Act, (RCRA) Subtitle D, 42 USC, 6931-6949	Solid Waste Disposal Facility Standards 40 CFR 257	Yes	Cleanup may include containment near floodplain, surface water
Solid Waste Management Act RCW 70.95	Minimum Functional Standards for Solid Waste WAC 173-304	No	Location standards do not apply to disposal of problem waste.
Shoreline Management Act RCW 90.58	Permits for Development on Shorelines of the State WAC 173-14	Yes	Will apply if cleanup activities occur within 200 ft of shoreline.

TABLE 12-5 (Continued)
POTENTIAL REQUIREMENTS CONSIDERED FOR DEVELOPMENT OF CLEANUP OBJECTIVES
BNRR MAINTENANCE AND FUELING FACILITY
SKYKOMISH, WASHINGTON

AUTHORIZING STATUTE	IMPLEMENTING REGULATION	POTENTIALLY APPLICABLE?	RATIONALE
Endangered Species Act 16 USC, 1531 et seq.		No	No endangered species identified near the site.
Fish and Wildlife Coordination Act, 16 USC 661 et seq.		Yes	Will apply if cleanup impacts breeding area.
Action-Specific Requirements			
Resource Conservation and Recovery Act, (RCRA), Subtitle C, 42 USC 6921-6939	Identification and Listing of Wastes, 40 CFR 261;	No	No RCRA-regulated wastes identified.
Hazardous Waste Management Act RCW 70.105	Dangerous Waste Regulations; WAC 173-303	Yes	Generator and storage requirements may apply to recovered LNAPL
WA Clean Air Act RCW 70.94	PSAPCA Regulations 1 and 3	Yes	May apply to excavation and/or construction
Model Toxics Control Act RCW 70.105D	MTCA Cleanup Regulations WAC 173-340	Yes	Sets minimum requirements for cleanup actions