

Summary of Volatile Organic Compounds
 Basin Oil Site
 Seattle, WA

Sample Number:	07052001DL	07052002	07052003	07052004RE	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0019, Liquid
VOCs (µg/kg)					
Dichlorodifluoromethane	19 UJ	140,000 UJ	250,000 UJ	16 UJ	130,000 UJ
Chloromethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Vinyl chloride	19 U	140,000 U	250,000 U	16 U	130,000 U
Bromomethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Chloroethane	19 UJ	140,000 U	250,000 U	16 U	130,000 U
Trichlorofluoromethane	19 U	140,000 U	250,000 U	16 U	130,000 U
1,1-Dichloroethene	19 U	140,000 U	250,000 U	16 U	130,000 U
Acetone	4,600	700,000 U	1,300,000 U	130 J	650,000 U
Carbon disulfide	10 J	140,000 U	250,000 U	16 U	130,000 U
Methylene chloride	77 J	140,000 U	250,000 U	86 J	130,000 U
trans-1,2-Dichloroethene	19 U	140,000 U	250,000 U	16 U	130,000 U
1,1-Dichloroethane	19 U	140,000 U	250,000 U	16 U	130,000 U
cis-1,2-Dichloroethene	19 U	140,000 U	250,000 U	16 U	130,000 U
2-Butanone	350 J	700,000 U	1,300,000 U	54 U	650,000 U
Chloroform	19 U	140,000 U	250,000 U	16 U	130,000 U
1,1,1-Trichloroethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Carbon tetrachloride	19 U	140,000 U	250,000 U	16 U	130,000 U
Benzene	19 U	5,500,000	250,000	16 U	130,000 U
1,2-Dichloroethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Trichloroethene	19 U	140,000 U	250,000 U	16 U	130,000 U
1,2-Dichloropropane	19 U	140,000 U	250,000 U	16 U	130,000 U
Bromodichloromethane	19 U	140,000 U	250,000 U	16 U	130,000 U
cis-1,3-Dichloropropene	19 U	140,000 U	250,000 U	16 U	130,000 U
4-Methyl-2-pentanone	160 J	700,000 U	1,300,000 U	54 U	650,000 U
Toluene	18 J	28,000,000	1,600,000	14 J	130,000 U
trans-1,3-Dichloropropene	19 U	140,000 U	250,000 U	16 U	130,000 U
1,1,2-Trichloroethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Tetrachloroethene	19 U	390,000	250,000 U	16 U	130,000 U
2-Hexanone	62 J	700,000 U	1,300,000 U	54 U	650,000 U
Dibromochloromethane	19 U	140,000 U	250,000 U	16 U	130,000 U
Chlorobenzene	19 U	140,000 U	250,000 U	16 U	130,000 U
Ethylbenzene	19 U	5,200,000	370,000	16 U	130,000 U
m,p-Xylene	2.3 J	21,000,000	1,500,000	9.7 J	1,400,000
o-Xylene	19 U	7,800,000	570,000	16 U	650,000
Styrene	19 U	140,000 U	250,000 U	16 U	130,000 U
Bromoform	19 U	140,000 U	250,000 U	16 U	130,000 U
1,1,2,2-Tetrachloroethane	19 UJ	140,000 U	250,000 U	16 U	130,000 U

Note: Bold type indicates a detected compound.

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Summary of Semi-Volatile Organic Compounds
Basin Oil Site
Seattle, WA

Sample ID:	07052001	07052002	07052003	07052004	07052005	07052006	07052007	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0014, Sludge	Drum E-0012, Liquid	Drum E-0012, Sludge	Drum E-0019, Liquid
SVOCs (µg/kg)								
Phenol	780 U	50,000 U	130,000 U	690 U	13,000 U	50,000 U	2,200 J	250,000 U
Bis(2-chloroethyl)ether	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
2-Chlorophenol	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
1,3-Dichlorobenzene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
1,4-Dichlorobenzene	780 U	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Benzyl alcohol	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
1,2-Dichlorobenzene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
2-Methylphenol	780 U	50,000 U	130,000 U	690 U	4,000 J	14,000 J	8,200	250,000 U
Bis(2-chloroisopropyl) ether	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
3 & 4 Methylphenol	780 U	50,000 U	130,000 U	690 U	9,600 J	50,000 U	3,100 J	250,000 U
N-Nitrosodi-n-propylamine	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Hexachloroethane	780 U	50,000 U	130,000 U	690 U	13,000 UJ	50,000 U	4,200 U	250,000 U
Nitrobenzene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
Isophorone	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
2-Nitrophenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
2,4-Dimethylphenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
Benzoic acid	1,600 UJ	100,000 U	250,000 U	1,400 UJ	27,000 UJ	100,000 U	4,200 UJ	500,000 U
Bis(2-chloroethoxy)methane	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
2,4-Dichlorophenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
1,2,4-Trichlorobenzene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
Naphthalene	780 UJ	800,000	170,000	690 UJ	110,000 J	630,000 J	100,000 J	390,000 J
4-Chloroaniline	R	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
Hexachlorobutadiene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
4-Chloro-3-methylphenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 U	4,200 UJ	250,000 U
2-Methylnaphthalene	120 J	1,400,000	260,000	690 UJ	450,000	1,600,000	250,000 J	3,800,000 J
Hexachlorocyclopentadiene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	R
2,4,6-Trichlorophenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
2,4,5-Trichlorophenol	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
2-Chloronaphthalene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
2-Nitroaniline	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
Dimethyl phthalate	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
2,6-Dinitrotoluene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
Acenaphthylene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
3-Nitroaniline	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Acenaphthene	780 UJ	39,000 J	130,000 U	690 UJ	27,000 J	190,000 J	16,000 J	390,000 J
2,4-Dinitrophenol	1,600 UJ	100,000 U	250,000 U	1,400 UJ	27,000 UJ	100,000 UJ	8,600 UJ	500,000 U
4-Nitrophenol	R	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
Dibenzofuran	780 UJ	57,000	130,000 U	690 UJ	34,000 J	230,000 J	20,000 J	250,000 U
2,4-Dinitrotoluene	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Diethyl phthalate	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Fluorene	1,400 J	98,000	130,000 U	690 UJ	87,000 J	510,000 J	49,000 J	590,000 J
4-Chlorophenyl phenyl ether	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
4-Nitroaniline	780 UJ	50,000 U	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ

Summary of Semi-Volatile Organic Compounds

Basin Oil Site

Seattle, WA

Sample ID:	07052001	07052002	07052003	07052004	07052005	07052006	07052007	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0014, Sludge	Drum E-0012, Liquid	Drum E-0012, Sludge	Drum E-0019, Liquid
SVOCs (µg/kg)								
4,6-Dinitro-2-methylphenol	780 UJ	50,000 UJ	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
1,2-Diphenylhydrazine	780 UJ	50,000 UJ	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
4-Bromophenyl phenyl ether	780 UJ	50,000 UJ	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 UJ
Hexachlorobenzene	780 UJ	50,000 UJ	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Pentachlorophenol	780 UJ	50,000 UJ	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Phenanthrene	4,400 J	130,000 J	43,000 J	200	160,000 J	330,000 J	41,000 J	1,000,000 J
Anthracene	1,400 J	17,000 J	130,000 U	690 UJ	15,000 J	40,000 J	6,000 J	100,000 J
Carbazole	780 UJ	50,000 UJ	130,000 U	690 UJ	27,000 J	50,000 UJ	6,000 J	250,000 U
Di-n-butyl phthalate	780 UJ	13,000 J	130,000 U	690 UJ	13,000 UJ	50,000 UJ	4,200 UJ	250,000 U
Fluoranthene	640 J	50,000 UJ	130,000 U	690 UJ	6,600 J	50,000 UJ	1,500 J	250,000 U
Pyrene	560 J	21,000 J	130,000 U	690 U	8,400 J	44,000 J	3,800 J	250,000 U
Butyl benzyl phthalate	890 J	41,000 J	130,000 U	690 U	17,000	50,000 U	4,200 U	250,000 U
3,3'-Dichlorobenzidine	780 UJ	50,000 U	130,000 U	690 U	13,000 UJ	50,000 U	4,200 U	250,000 U
Benzo[a]anthracene	120 J	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Bis(2-ethylhexyl) phthalate	35,000 J	90,000	140,000	8,100	26,000 J	38,000 J	3,400 J	250,000 U
Chrysene	220 J	50,000 U	130,000 U	170 J	13,000 U	50,000 U	4,200 U	250,000 U
Di-n-octyl phthalate	780 U	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Benzo[b]fluoranthene	780 U	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Benzo[k]fluoranthene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 UJ
Benzo[a]pyrene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Indeno[1,2,3-cd]pyrene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Dibenz(a,h)anthracene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U
Benzo[g,h,i]perylene	780 UJ	50,000 U	130,000 U	690 U	13,000 U	50,000 U	4,200 U	250,000 U

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Summary of TAL Metals

Basin Oil Site

Seattle, WA

Sample ID:	7052001	7052002	07052003	07052004	07052005	07052007	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0014, Sludge	Drum E-0012, Sludge	Drum E-0019, Liquid
TAL Metals (mg/kg)							
Aluminum	22000 J	26.1 J	295	11500	239	567	3 U
Antimony	0.55 UJ	1.9 J	4.5 J	0.14 U	8.2 J	9	0.18 U
Arsenic	5.7	0.27 U	0.35 J	2	36.3	48.6	0.34 U
Barium	63.4 J	8 J	72.3 J	81.5 J	31.7 J	114 J	0.58 J
Beryllium	0.18 J	0.038 U	0.041 U	0.34 J	0.1 U	0.07 U	0.048 U
Cadmium	1.8	0.29 J	0.62 J	3.9	0.57 J	0.59 J	0.071 U
Calcium	12400 J	763 J	4350	4980	4220	2040	60.4 J
Chromium	32.1 J	1 J	4.2 J	16.6 J	108 J	144 J	2.6 J
Cobalt	15.3 J	0.072 J	0.18 J	8.7	26.2	23.5 J	0.064 U
Copper	119 J	53.6 J	49.1	20.6	363	243	0.11 J
Iron	38700	130	727 J	20400 J	98600 J	455000 J	15.5 U
Lead	209	25.4	36.5	13.9	132	67.9	0.21 U
Magnesium	9270 J	125 J	263 J	3740	1300	618 J	0.55 J
Manganese	491	3	17.3	364	644	2570	0.014 UJ
Mercury	0.0733 J	0.0137 UJ	0.0204 J	0.00571 UJ	0.401 J	1.66	0.0137 UJ
Nickel	43.3	0.93 J	2.9 J	17.2	133	102	0.077 U
Potassium	701 J	275 J	275 J	1720 J	284 J	165 J	9.3 U
Selenium	0.3 U	0.23 U	0.25 U	0.28 J	0.75 J	2.1 U	0.29 U
Silver	0.19 J	0.095 J	0.034 J	0.15 J	0.081 UJ	1.6	0.037 UJ
Sodium	2620 J	483 J	483	802 J	3490	602 J	11.4 U
Thallium	0.48 U	0.37 U	0.4 U	0.37 U	0.99 U	0.67 U	0.46 U
Vanadium	40.3	0.47 U	4.2	55.5	4.7 J	7.7 J	0.53 J
Zinc	221	336	1820 J	58.1 J	219 J	378 J	1.2 UJ

Note: Bold type indicates a detected compound.

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- TAL = Target Analyte List

**Summary of PCBs and Flashpoint
Basin Oil Site
Seattle, WA**

Sample ID:	07052001	07052002	07052003	07052004	07052005	07052006	07052007	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0014, Sludge	Drum E-0012, Liquid	Drum E-0012, Sludge	Drum E-0019, Liquid
PCBs (µg/kg)								
Aroclor-1016	40 UJ	5,100 U	5,100 U	36 U	340 U	Not Analyzed	270 U	5,100 U
Aroclor-1221	40 UJ	5,100 U	5,100 U	36 U	340 U		270 U	5,100 U
Aroclor-1232	40 UJ	5,100 U	5,100 U	36 U	340 U		270 U	5,100 U
Aroclor-1242	40 UJ	5,100 U	5,100 U	36 U	340 U		270 U	5,100 U
Aroclor-1248	40 UJ	5,100 U	5,100 U	36 U	340 U		270 U	5,100 U
Aroclor-1254	40 UJ	5,100 U	5,100 U	36 U	340 U		270 U	5,100 U
Aroclor-1260	250 J	5,100 U	5,100 U	36 U	890		270 U	5,100 U

Sample ID:	07052001	07052002	07052003	07052004	07052005	07052006	07052007	07052008
Sample Location:	Surface Soil	Tank - 5, Liquid	Tank - 11, Liquid	Drum E-0022, Sludge	Drum E-0014, Sludge	Drum E-0012, Liquid	Drum E-0012, Sludge	Drum E-0019, Liquid
Flashpoint (°F)								
Flashpoint	Not Analyzed	<70	156	Not Analyzed	Not Analyzed	184	Not Analyzed	184

**Summary of Volatile Organic Compounds TCLP
Basin Oil Site
Seattle, WA**

Sample Number:	07052002	RCRA TCLP Level (ug/kg)
Sample Location:	Tank - 5, Liquid	
VOCs (µg/kg)		
Vinyl chloride	50 UJ	200
1,1-Dichloroethene	50 UJ	700
2-Butanone	800 J	200,000
Chloroform	50 UJ	6,000
Carbon tetrachloride	50 UJ	500
Benzene	87,000 J	500
1,2-Dichloroethane	50 UJ	500
Trichloroethene	45 J	500
Tetrachloroethene	2,200 J	700
Chlorobenzene	50 UJ	100,000

Note: Bold type indicates a detected compound.

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**Summary of Semi-Volatile Organic Compounds TCLP
Basin Oil Site
Seattle, WA**

Sample Number:	07052005	07052007	RCRA TCLP Level (ug/kg)
Sample Location:	Drum E-0014, Sludge	Drum E-0012, Sludge	
VOCs (µg/kg)			
Pyridine	20 UJ	20 UJ	5,000
2,4,5-Trichlorophenol	12 UJ	12 UJ	1,000
2,4,6-Trichlorophenol	8 UJ	8 UJ	2,000
1,4-Dichlorobenzene	4 UJ	4 UJ	7,500
o-cresol	59 J	340 J	200,000
m,p-cresol	110 J	30 J	200,000
Hexachloroethane	8 UJ	8 UJ	3,000
Nitrobenzene	4 UJ	4 UJ	2,000
Hexachlorobutadiene	4 UJ	4 UJ	500
2,4-Dinitrotoluene	8 UJ	8 UJ	100
Hexachlorobenzene	8 UJ	8 UJ	100
Pentachlorophenol	40 UJ	40 UJ	100,000

Note: Bold type indicates a detected compound.

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**Summary of Metals TCLP
Basin Oil Site
Seattle, WA**

Sample Number:	07052001	07052005	07052007	RCRA TCLP
Sample Location:	Surface Soil	Drum E-0014, Sludge	Drum E-0012, Sludge	Level (mg/kg)
Metals (mg/kg)				
Chromium	NA	0.10 U	0.10 U	5.0
Lead	0.58	0.10 U	NA	5.0
Mercury	NA	NA	0.005 UJ	0.2

Note: Bold type indicates a detected compound.

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- U = not detected (at the indicated reporting limit)
- UJ = not detected (estimated reporting limit)
- R = rejected data
- NA = not analyzed