2002 STP Intensive

King County Environmental Lab Analytical Report

PROJECT: 421186B

	Locator:	J5001				Locator:	J5001				Locator:	J5001			
	Descrip:	RENTON STP/DIGESTE				Descrip:	RENTON STP/DIGESTE				Descrip:	RENTON STP/DIGESTE			
	Sampled:	Aug 26, 2002				Sampled:	Aug 27, 2002				Sampled:	Aug 28, 2002			
	Lab ID:	L25506-5				Lab ID:	L25507-5				Lab ID:	L25508-5			
	Matrix:	DIG SLUDGE				Matrix:	DIG SLUDGE				Matrix:	DIG SLUDGE			
	% Solids:					% Solids:					% Solids:				
Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
		- Wet Weight Basis					- Wet Weight Basis					- Wet Weight Basis			
ORGANICS															
4-Nitrophenol		<MDL	10	20	ug/L		<MDL	10	20	ug/L		<MDL	10	20	ug/L
Acenaphthene		<MDL	2	4	ug/L		<MDL	2	4	ug/L		<MDL	2	4	ug/L
Acenaphthylene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Aniline		<MDL	10	20	ug/L		<MDL	10	20	ug/L		<MDL	10	20	ug/L
Anthracene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Benzidine		<MDL	120	240	ug/L		<MDL	120	240	ug/L		<MDL	120	240	ug/L
Benzo(a)anthracene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Benzo(a)pyrene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Benzo(b)fluoranthene		<MDL	8	15	ug/L		<MDL	8	15	ug/L		<MDL	8	15	ug/L
Benzo(g,h,i)perylene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Benzo(k)fluoranthene		<MDL	8	15	ug/L		<MDL	8	15	ug/L		<MDL	8	15	ug/L
Benzoic Acid		<MDL	20	30	ug/L	28	<RDL	20	30	ug/L	27	<RDL	20	30	ug/L
Benzyl Alcohol		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Benzyl Butyl Phthalate	8.45		3	5	ug/L	9.9		3	5	ug/L	9.1		3	5	ug/L
Bis(2-Chloroethoxy)Methane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Bis(2-Chloroethyl)Ether		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Bis(2-Chloroisopropyl)Ether		<MDL	10	20	ug/L		<MDL	10	20	ug/L		<MDL	10	20	ug/L
Bis(2-Ethylhexyl)Phthalate	470		3	5	ug/L	507		3	5	ug/L	518		3	5	ug/L
Caffeine		<MDL	1	5	ug/L		<MDL	1	5	ug/L		<MDL	1	5	ug/L
Carbazole		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Chrysene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Coprostanol	10000		50	100	ug/L	9870		50	100	ug/L	10800		50	100	ug/L
Dibenzo(a,h)anthracene		<MDL	8	15	ug/L		<MDL	8	15	ug/L		<MDL	8	15	ug/L
Dibenzofuran		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Diethyl Phthalate		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Dimethyl Phthalate		<MDL	2	3	ug/L		<MDL	2	3	ug/L		<MDL	2	3	ug/L
Di-N-Butyl Phthalate		<MDL	5	10	ug/L	5.6	<RDL	5	10	ug/L		<MDL	5	10	ug/L
Di-N-Octyl Phthalate		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Fluoranthene	5.1	<RDL	3	6	ug/L	4.5	<RDL	3	6	ug/L	4.5	<RDL	3	6	ug/L
Fluorene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Hexachlorobenzene		<MDL	3	5	ug/L		<MDL	3	5	ug/L		<MDL	3	5	ug/L
Hexachlorobutadiene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Hexachlorocyclopentadiene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Hexachloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Indeno(1,2,3-Cd)Pyrene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Isophorone		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Naphthalene		<MDL	8	15	ug/L		<MDL	8	15	ug/L		<MDL	8	15	ug/L
n-Decane		<MDL	3	6	ug/L		<MDL	3	6	ug/L		<MDL	3	6	ug/L
Nitrobenzene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
N-Nitrosodimethylamine		<MDL	20	30	ug/L		<MDL	20	30	ug/L		<MDL	20	30	ug/L
N-Nitrosodi-N-Propylamine		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
N-Nitrosodiphenylamine		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
n-Octadecane	63.2		3	6	ug/L	55.1		3	6	ug/L	61.8		3	6	ug/L
Pentachlorophenol		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
Phenanthrene	5.1		3	5	ug/L	4.4	<RDL	3	5	ug/L	4.7	<RDL	3	5	ug/L
Phenol	659		20	30	ug/L	620		20	30	ug/L	573		20	30	ug/L
Pyrene	5.12		3	5	ug/L	4.4	<RDL	3	5	ug/L	4.8	<RDL	3	5	ug/L
M=OR EPA 624 (7-3-02-002)															
1,1,1-Trichloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,1,2,2-Tetrachloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,1,2-Trichloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,1,2-Trichloroethylene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,1-Dichloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,1-Dichloroethylene		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,2-Dichloroethane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L
1,2-Dichloropropane		<MDL	5	10	ug/L		<MDL	5	10	ug/L		<MDL	5	10	ug/L

KCSlip4 57147

SEA423451

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	Locator:	J5001				Locator:	J5001				Locator:	J5001			
	Descrip:	RENTON STP/DIGESTE				Descrip:	RENTON STP/DIGESTE				Descrip:	RENTON STP/DIGESTE			
	Sampled:	Aug 26, 2002				Sampled:	Aug 27, 2002				Sampled:	Aug 28, 2002			
	Lab ID:	L25506-5				Lab ID:	L25507-5				Lab ID:	L25508-5			
	Matrix:	DIG SLUDGE				Matrix:	DIG SLUDGE				Matrix:	DIG SLUDGE			
	% Solids:					% Solids:					% Solids:				
Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
	- Wet Weight Basis					- Wet Weight Basis					- Wet Weight Basis				
METALS															
EMT EPA 200.7 (06-02-004-002)															
Antimony, Total, ICP		<MDL	0.3	1.5	mg/L		<MDL	0.3	1.5	mg/L		<MDL	0.3	1.49	mg/L
Arsenic, Total, ICP		<MDL	0.5	2.49	mg/L		<MDL	0.5	2.51	mg/L		<MDL	0.5	2.48	mg/L
Barium, Total, ICP	7.13		0.01	0.0499	mg/L	7.04		0.01	0.0501	mg/L	6.98		0.0099	0.0496	mg/L
Beryllium, Total, ICP		<MDL	0.01	0.0499	mg/L		<MDL	0.01	0.0501	mg/L		<MDL	0.0099	0.0496	mg/L
Cadmium, Total, ICP	0.15	RDL	0.03	0.15	mg/L	0.159		0.03	0.15	mg/L	0.15		0.03	0.149	mg/L
Chromium, Total, ICP	1.37		0.05	0.249	mg/L	1.34		0.05	0.251	mg/L	1.38		0.05	0.248	mg/L
Copper, Total, ICP	17.1		0.04	0.2	mg/L	16.8		0.04	0.201	mg/L	16.9		0.04	0.198	mg/L
Lead, Total, ICP	0.93	<RDL	0.3	1.5	mg/L	0.81	<RDL	0.3	1.5	mg/L	0.83	<RDL	0.3	1.49	mg/L
Molybdenum, Total, ICP	0.43	<RDL	0.2	0.998	mg/L	0.39	<RDL	0.2	1	mg/L	0.36	<RDL	0.2	0.992	mg/L
Nickel, Total, ICP	0.5	<RDL	0.2	0.998	mg/L	0.54	<RDL	0.2	1	mg/L	0.5	<RDL	0.2	0.992	mg/L
Selenium, Total, ICP		<MDL	0.5	2.49	mg/L		<MDL	0.5	2.51	mg/L		<MDL	0.5	2.48	mg/L
Silver, Total, ICP	0.691		0.04	0.2	mg/L	0.681		0.04	0.201	mg/L	0.668		0.04	0.198	mg/L
Thallium, Total, ICP		<MDL	2	9.98	mg/L		<MDL	2	10	mg/L		<MDL	2	9.92	mg/L
Zinc, Total, ICP	24.6		0.05	0.249	mg/L	24.1		0.05	0.251	mg/L	24.3		0.05	0.248	mg/L
EMT EPA 245.2 (06-01-004-003)															
Mercury, Total, CVAA	0.0666		0.0079	0.0236	mg/L	0.0561		0.0078	0.0233	mg/L	0.0704		0.0078	0.0235	mg/L

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