



**LEEDER
CONSULTING**

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Chartered Chemists

21-Aug-2008

REPORT NUMBER: M081516

Site/Client Ref: EPA 987203

Order No: EPA 987203

Environment Protection Authority

**Level 6, 77 Grenfell Street
Adelaide
SA 5000
Attention: Rob Mitchell**

CERTIFICATE OF ANALYSIS

SAMPLES: Eight samples were received for analysis

DATE RECEIVED: **11-Aug-2008**

DATE COMMENCED: **13-Aug-2008**

METHODS: See Attached Results

RESULTS: Please refer to attached pages for results.

Note: Results are based on samples as received at Leeder Consulting's laboratories

Additional Semi-Volatile Organic compounds were detected in the Dust samples.

*Surrogate concentration below 60%.

REPORTED BY:

Adam Atkinson
Laboratory Manager

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(I) RESULTS

Report N°: M081516

Matrix: Water

Method: MA-1400.WW.01 Metals

Sample units are expressed in mg/L

		Leeder ID	2008018732	2008018733	2008018734	2008018735	2008018736	2008018737
		Client ID	LFP2 Filtered	LFP3 Filtered	LFK2 Filtered	NEG1 Filtered	LFP2 Filtered	Method
Analyte Name	PQL						Duplicate	Blank
Antimony	0.001		nd	nd	nd	nd	nd	nd
Arsenic	0.0005		nd	nd	nd	nd	nd	nd
Barium	0.001		0.018	0.025	0.010	0.007	0.018	nd
Beryllium	0.001		nd	nd	nd	nd	nd	nd
Cadmium	0.0005		nd	nd	nd	nd	nd	nd
Chromium	0.001		nd	nd	nd	nd	nd	nd
Cobalt	0.001		nd	nd	nd	nd	nd	nd
Copper	0.001		0.002	0.011	0.016	0.45	0.002	nd
Lead	0.001		nd	nd	nd	nd	nd	nd
Manganese	0.001		0.004	nd	nd	0.004	0.004	nd
Mercury	0.0005		nd	nd	nd	nd	nd	nd
Molybdenum	0.001		nd	nd	nd	nd	nd	nd
Nickel	0.001		0.001	0.001	0.001	0.007	0.001	nd
Selenium	0.005		nd	nd	nd	nd	nd	nd
Silver	0.005		nd	nd	nd	nd	nd	nd
Thallium	0.001		nd	nd	nd	nd	nd	nd
Tin	0.001		nd	0.004	0.006	nd	nd	nd
Zinc	0.001		1.3	0.56	0.090	10	1.3	nd



(I) RESULTS

Report N°: M081516

Matrix: Water

Method: MA-1400.WW.01 Metals

Sample units are expressed in mg/L

		Leeder ID	2008018740	2008018741	2008018742	2008018743	2008018744	2008018745
		Client ID	LFP2 Unfiltered	LFP3 Unfiltered	LFK2 Unfiltered	NEG1 Unfiltered	LFP2 Unfiltered	Method
Analyte Name	PQL						Duplicate	Blank
Antimony	0.001		nd	nd	nd	nd	nd	nd
Arsenic	0.0005		nd	0.0008	0.0007	nd	nd	nd
Barium	0.001		0.019	0.025	0.010	0.007	0.019	nd
Beryllium	0.001		nd	nd	nd	nd	nd	nd
Cadmium	0.0005		nd	nd	nd	nd	nd	nd
Chromium	0.001		nd	nd	nd	nd	nd	nd
Cobalt	0.001		nd	nd	nd	nd	nd	nd
Copper	0.001		0.003	0.012	0.012	0.47	0.003	nd
Lead	0.001		0.001	nd	0.001	0.001	0.001	nd
Manganese	0.001		0.004	nd	nd	0.005	0.004	nd
Mercury	0.0005		nd	nd	nd	nd	nd	nd
Molybdenum	0.001		nd	nd	nd	nd	nd	nd
Nickel	0.001		0.001	0.001	0.001	0.008	0.001	nd
Selenium	0.005		nd	nd	nd	nd	nd	nd
Silver	0.005		nd	nd	nd	nd	nd	nd
Thallium	0.001		nd	nd	nd	nd	nd	nd
Tin	0.001		nd	0.005	0.007	nd	nd	nd
Zinc	0.001		1.3	0.56	0.096	10	1.3	nd



(I) RESULTS

Report N°: M081516

Matrix: Dust

Method: MA-1400.SD.01 Metals

Sample units are expressed in mg/kg

Analyte Name	PQL	Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018752	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	NET2	Method
							Duplicate	Blank
Antimony	2		5	12	5	21	22	nd
Arsenic	2		15	28	4	14	15	nd
Barium	2		180	300	59	220	230	nd
Beryllium	2		nd	nd	nd	nd	nd	nd
Cadmium	2		2	3	nd	36	37	nd
Chromium	2		38	110	14	140	150	nd
Cobalt	2		7	9	3	110	110	nd
Copper	2		200	190	64	19000	20000	nd
Lead	2		400	520	87	720	750	nd
Manganese	2		360	280	50	430	440	nd
Mercury	2		nd	nd	nd	5	6	nd
Molybdenum	2		6	6	nd	21	22	nd
Nickel	2		46	27	8	110	110	nd
Selenium	2		nd	nd	nd	5	5	nd
Silver	2		nd	4	2	41	42	nd
Thallium	2		nd	nd	nd	nd	nd	nd
Tin	2		87	21	17	120	130	nd
Zinc	2		990	9800	460	3600	3600	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
bis (2-chloroisopropyl)ether	0.5		nd	nd	nd	nd	nd
Acetamide	0.5		nd	nd	nd	nd	nd
Acenaphthene	0.5		nd	nd	nd	nd	nd
Acenaphthylene	0.5		nd	nd	nd	nd	nd
2-Acetylaminofluorene	0.5		nd	nd	nd	nd	nd
4-Aminobiphenyl	0.5		nd	nd	nd	nd	nd
Aniline	0.5		nd	nd	nd	nd	nd
Anthracene	0.5		nd	nd	nd	nd	nd
Aramite	0.5		nd	nd	nd	nd	nd
Benzo (a) anthracene	0.5		0.8	0.5	nd	nd	nd
Benzidine	0.5		nd	nd	nd	nd	nd
Benzo (a) pyrene	0.5		1.0	0.7	nd	nd	nd
Benzo (b) fluoranthene	0.5		1.1	1.0	nd	nd	nd
Benzo (ghi) perylene	0.5		0.6	nd	nd	nd	nd
Benzo (k) fluoranthene	0.5		nd	0.6	nd	nd	nd
Benzyl Alcohol	0.5		nd	nd	nd	nd	nd
4-Bromophenyl phenyl ether	0.5		nd	nd	nd	nd	nd
9H-Carbazole	0.5		nd	nd	nd	nd	nd
4-chloroaniline	0.5		nd	nd	nd	nd	nd
Chlorobenzilate	0.5		nd	nd	nd	nd	nd
Bis (2-Chloroethoxy) methane	0.5		nd	nd	nd	nd	nd
Bis (2-Chloroethyl) ether	0.5		nd	nd	nd	nd	nd
4-Chloro-3-methylphenol	0.5		nd	nd	nd	nd	nd
2-Chloronaphthalene	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
2-Chlorophenol	0.5		nd	nd	nd	nd	nd
4-Chlorophenyl phenyl ether	0.5		nd	nd	nd	nd	nd
Chrysene	0.5		1.1	0.9	nd	nd	nd
2-Cyclohexyl-4,6-dinitrophenol	0.5		nd	nd	nd	nd	nd
Diallate	0.5		nd	nd	nd	nd	nd
Dibenz (ah) anthracene	0.5		nd	nd	nd	nd	nd
Dibenz (aj) acridine	0.5		nd	nd	nd	nd	nd
Dibenzofuran	0.5		nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.5		nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.5		nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.5		nd	nd	nd	nd	nd
3,3'-Dichlorobenzidine	0.5		nd	nd	nd	nd	nd
2,4-Dichlorophenol	0.5		nd	nd	nd	nd	nd
2,6-Dichlorophenol	0.5		nd	nd	nd	nd	nd
Dimethoate	0.5		nd	nd	nd	nd	nd
p-Dimethylaminoazobenzene	0.5		nd	nd	nd	nd	nd
7,12-Dimethylbenz(a)anthracene	0.5		nd	nd	nd	nd	nd
3,3'-Dimethylbenzidine	0.5		nd	nd	nd	nd	nd
a,a-Dimethylphenethylamine	0.5		nd	nd	nd	nd	nd
2,4-Dimethylphenol	0.5		nd	nd	nd	nd	nd
Dimethyl phosphonate	0.5		nd	nd	nd	nd	nd
Dinoseb	0.5		nd	nd	nd	nd	nd
1,3-Dinitrobenzene	0.5		nd	nd	nd	nd	nd
4,6-Dinitro-2-methylphenol	0.5		nd	nd	nd	nd	nd
2,4-Dinitrophenol	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
2,4-Dinitrotoluene	0.5		nd	nd	nd	nd	nd
2,6-Dinitrotoluene	0.5		nd	nd	nd	nd	nd
Diphenylamine	0.5		nd	nd	nd	nd	nd
Disulfoton	0.5		nd	nd	nd	nd	nd
Dithione	0.5		nd	nd	nd	nd	nd
Ethyl methansulfonate	0.5		nd	nd	nd	nd	nd
Famphur	0.5		nd	nd	nd	nd	nd
Fluoranthene	0.5		2.4	1.8	nd	1.2	nd
Fluorene	0.5		nd	nd	nd	nd	nd
Hexachlorobenzene	0.5		nd	nd	nd	nd	nd
Hexachlorobutadiene	0.5		nd	nd	nd	nd	nd
Hexachlorocyclopentadiene	0.5		nd	nd	nd	nd	nd
Hexachloroethane	0.5		nd	nd	nd	nd	nd
Hexachlorophene	0.5		nd	nd	nd	nd	nd
Hexachloropropene	0.5		nd	nd	nd	nd	nd
Hydroquinone	0.5		nd	nd	nd	nd	nd
Indeno (1,2,3-cd) pyrene	0.5		nd	nd	nd	nd	nd
Isodrin	0.5		nd	nd	nd	nd	nd
Isophorone	0.5		nd	nd	nd	nd	nd
Isosafrole	0.5		nd	nd	nd	nd	nd
Kepone	0.5		nd	nd	nd	nd	nd
Methapyrilene	0.5		nd	nd	nd	nd	nd
3-Methylcholanthrene	0.5		nd	nd	nd	nd	nd
Methyl Methanesulfonate	0.5		nd	nd	nd	nd	nd
1-Methylnaphthalene	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
2-Methylnaphthalene	0.5		nd	nd	nd	nd	nd
Methyl parathion	0.5		nd	nd	nd	nd	nd
o-Cresol	0.5		nd	nd	nd	nd	nd
m&p-Cresol	0.5		nd	nd	nd	nd	nd
Naphthalene	0.5		nd	nd	nd	nd	nd
1,4-Naphthoquinone	0.5		nd	nd	nd	nd	nd
1-Naphthylamine	0.5		nd	nd	nd	nd	nd
2-Naphthylamine	0.5		nd	nd	nd	nd	nd
2-Nitroaniline	0.5		nd	nd	nd	nd	nd
3-Nitroaniline	0.5		nd	nd	nd	nd	nd
4-Nitroaniline	0.5		nd	nd	nd	nd	nd
Nitrobenzene	0.5		nd	nd	nd	nd	nd
2-Nitrophenol	0.5		nd	nd	nd	nd	nd
4-Nitrophenol	0.5		nd	nd	nd	nd	nd
4-Nitroquinoline-1-oxide	0.5		nd	nd	nd	nd	nd
N-Nitrosodi-n-butylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosodiethylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosodimethylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosodiphenylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosodi-n-propylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosomethylethylamine	0.5		nd	nd	nd	nd	nd
N-Nitrosomorpholine	0.5		nd	nd	nd	nd	nd
N-Nitrosopiperidine	0.5		nd	nd	nd	nd	nd
N-Nitrosopyrrolidine	0.5		nd	nd	nd	nd	nd
5-Nitro-o-toluidine	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
Parathion	0.5		nd	nd	nd	nd	nd
Pentachlorobenzene	0.5		nd	nd	nd	nd	nd
Pentachloroethane	0.5		nd	nd	nd	nd	nd
Pentachloronitrobenzene	0.5		nd	nd	nd	nd	nd
Pentachlorophenol	0.5		nd	nd	nd	nd	nd
Phenacetin	0.5		nd	nd	nd	nd	nd
Phenanthrene	0.5		1.4	1.7	nd	2.5	nd
Phenol	0.5		nd	nd	1.3	1.1	nd
p-Phenylenediamine	0.5		nd	nd	nd	nd	nd
Phorate	0.5		nd	nd	nd	nd	nd
2-Picoline	0.5		nd	nd	nd	nd	nd
Pronamide	0.5		nd	nd	nd	nd	nd
Pyrene	0.5		2.2	1.7	nd	0.6	nd
Pyridine	0.5		nd	nd	nd	nd	nd
Safrole	0.5		nd	nd	nd	nd	nd
Sulfotepp	0.5		nd	nd	nd	nd	nd
1,2,4,5-Tetrachlorobenzene	0.5		nd	nd	nd	nd	nd
Tetrachlorocyclopropene	0.5		nd	nd	nd	nd	nd
2,3,4,6-Tetrachlorophenol	0.5		nd	nd	nd	nd	nd
Thionazin	0.5		nd	nd	nd	nd	nd
o-Toluidine	0.5		nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.5		nd	nd	nd	nd	nd
1,3,5-Trichlorobenzene	0.5		nd	nd	nd	nd	nd
2,4,5-Trichlorophenol	0.5		nd	nd	nd	nd	nd
2,4,6-Trichlorophenol	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
O,O,O-Triethylphosphorothioate	0.5		nd	nd	nd	nd	nd
1,3,5-Trinitrobenzene	0.5		nd	nd	nd	nd	nd
Aldrin	0.5		nd	nd	nd	nd	nd
alpha-BHC	0.5		nd	nd	nd	nd	nd
beta-BHC	0.5		nd	nd	nd	nd	nd
delta-BHC	0.5		nd	nd	nd	nd	nd
gamma-BHC	0.5		nd	nd	nd	nd	nd
Chlordane	0.5		nd	nd	nd	nd	nd
4,4-DDD	0.5		nd	nd	nd	nd	nd
4,4-DDE	0.5		nd	nd	nd	nd	nd
4,4-DDT	0.5		nd	nd	nd	nd	nd
Dieldrin	0.5		nd	nd	nd	1.8	nd
Endosulfan 1	0.5		nd	nd	nd	nd	nd
Endosulfan 2	0.5		nd	nd	nd	nd	nd
Endosulfan Sulphate	0.5		nd	nd	nd	nd	nd
Endrin	0.5		nd	nd	nd	nd	nd
Endrin Aldehyde	0.5		nd	nd	nd	nd	nd
Heptachlor	0.5		nd	nd	nd	nd	nd
Heptachlor Epoxide	0.5		nd	nd	nd	nd	nd
Methoxychlor	0.5		nd	nd	nd	nd	nd
Chlorpyrifos	0.5		nd	nd	nd	nd	nd
Fenitrothion	0.5		nd	nd	nd	nd	nd
Malathion	0.5		nd	nd	nd	nd	nd
Endrin ketone	0.5		nd	nd	nd	nd	nd
Arochlor 1016	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Analyte Name	PQL	Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
							Blank
Arochlor 1221	0.5		nd	nd	nd	nd	nd
Arochlor 1232	0.5		nd	nd	nd	nd	nd
Arochlor 1242	0.5		nd	nd	nd	nd	nd
Arochlor 1248	0.5		nd	nd	nd	nd	nd
Arochlor 1254	0.5		nd	nd	nd	5.5	nd
Arochlor 1260	0.5		nd	nd	nd	nd	nd
Arochlor 1262	0.5		nd	nd	nd	nd	nd
Arochlor 1268	0.5		nd	nd	nd	nd	nd
Alachlor	0.5		nd	nd	nd	nd	nd
Ametryn	0.5		nd	nd	nd	nd	nd
Atraton	0.5		nd	nd	nd	nd	nd
Atrazine	0.5		nd	nd	nd	nd	nd
Bromacil	0.5		nd	nd	nd	nd	nd
Butachlor	0.5		nd	nd	nd	nd	nd
Butylate	0.5		nd	nd	nd	nd	nd
Chlorpropham	0.5		nd	nd	nd	nd	nd
Cyanazine	0.5		nd	nd	nd	nd	nd
Cycloate	0.5		nd	nd	nd	nd	nd
Dichlorvos	0.5		nd	nd	nd	nd	nd
Diphenamid	0.5		nd	nd	nd	nd	nd
EPTC	0.5		nd	nd	nd	nd	nd
Ethoprop	0.5		nd	nd	nd	nd	nd
Fenarimol	0.5		nd	nd	nd	nd	nd
Fluridone	0.5		nd	nd	nd	nd	nd
Hexazinone	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

		Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
		Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL						Blank
Methyl Paraoxon	0.5		nd	nd	nd	nd	nd
Metolachlor	0.5		nd	nd	nd	nd	nd
Mevinphos	0.5		nd	nd	nd	nd	nd
MGK-264,mixed isomers	0.5		nd	nd	nd	nd	nd
Molinate	0.5		nd	nd	nd	nd	nd
Napropamide	0.5		nd	nd	nd	nd	nd
Norflurazon	0.5		nd	nd	nd	nd	nd
Pebulate	0.5		nd	nd	nd	nd	nd
Prometon	0.5		nd	nd	nd	nd	nd
Prometryn	0.5		nd	nd	nd	nd	nd
Propachlor	0.5		nd	nd	nd	nd	nd
Propazine	0.5		nd	nd	nd	nd	nd
Simetryn	0.5		nd	nd	nd	nd	nd
Stirofos	0.5		nd	nd	nd	nd	nd
Tebuthiuron	0.5		nd	nd	nd	nd	nd
Terbacil	0.5		nd	nd	nd	nd	nd
Terbutryn	0.5		nd	nd	nd	nd	nd
Triadimefon	0.5		nd	nd	nd	nd	nd
Tricyclazole	0.5		nd	nd	nd	nd	nd
Trifluralin	0.5		nd	nd	nd	nd	nd
Vernolate	0.5		nd	nd	nd	nd	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leader ID	2008018994	
Client ID	LFP2	
Analyte Name	PQL	Duplicate

Analyte Name	PQL	Duplicate
bis (2-chloroisopropyl)ether	0.5	nd
Acetamide	0.5	nd
Acenaphthene	0.5	nd
Acenaphthylene	0.5	nd
2-Acetylaminofluorene	0.5	nd
4-Aminobiphenyl	0.5	nd
Aniline	0.5	nd
Anthracene	0.5	nd
Aramite	0.5	nd
Benzo (a) anthracene	0.5	nd
Benzidine	0.5	nd
Benzo (a) pyrene	0.5	0.6
Benzo (b) fluoranthene	0.5	1.1
Benzo (ghi) perylene	0.5	nd
Benzo (k) fluoranthene	0.5	0.6
Benzyl Alcohol	0.5	nd
4-Bromophenyl phenyl ether	0.5	nd
9H-Carbazole	0.5	nd
4-chloroaniline	0.5	nd
Chlorobenzilate	0.5	nd
Bis (2-Chloroethoxy) methane	0.5	nd
Bis (2-Chloroethyl) ether	0.5	nd
4-Chloro-3-methylphenol	0.5	nd
2-Chloronaphthalene	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID	2008018994
Client ID	LFP2

Analyte Name	PQL	Duplicate
2-Chlorophenol	0.5	nd
4-Chlorophenyl phenyl ether	0.5	nd
Chrysene	0.5	0.9
2-Cyclohexyl-4,6-dinitrophenol	0.5	nd
Diallate	0.5	nd
Dibenz (ah) anthracene	0.5	nd
Dibenz (aj) acridine	0.5	nd
Dibenzofuran	0.5	nd
1,2-Dichlorobenzene	0.5	nd
1,3-Dichlorobenzene	0.5	nd
1,4-Dichlorobenzene	0.5	nd
3,3'-Dichlorobenzidine	0.5	nd
2,4-Dichlorophenol	0.5	nd
2,6-Dichlorophenol	0.5	nd
Dimethoate	0.5	nd
p-Dimethylaminoazobenzene	0.5	nd
7,12-Dimethylbenz(a)anthracene	0.5	nd
3,3'-Dimethylbenzidine	0.5	nd
a,a-Dimethylphenethylamine	0.5	nd
2,4-Dimethylphenol	0.5	nd
Dimethyl phosphonate	0.5	nd
Dinoseb	0.5	nd
1,3-Dinitrobenzene	0.5	nd
4,6-Dinitro-2-methylphenol	0.5	nd
2,4-Dinitrophenol	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID	2008018994
Client ID	LFP2

Analyte Name	PQL	Duplicate
2,4-Dinitrotoluene	0.5	nd
2,6-Dinitrotoluene	0.5	nd
Diphenylamine	0.5	nd
Disulfoton	0.5	nd
Dithione	0.5	nd
Ethyl methansulfonate	0.5	nd
Famphur	0.5	nd
Fluoranthene	0.5	1.9
Fluorene	0.5	nd
Hexachlorobenzene	0.5	nd
Hexachlorobutadiene	0.5	nd
Hexachlorocyclopentadiene	0.5	nd
Hexachloroethane	0.5	nd
Hexachlorophene	0.5	nd
Hexachloropropene	0.5	nd
Hydroquinone	0.5	nd
Indeno (1,2,3-cd) pyrene	0.5	nd
Isodrin	0.5	nd
Isophorone	0.5	nd
Isosafrole	0.5	nd
Kepone	0.5	nd
Methapyrilene	0.5	nd
3-Methylcholanthrene	0.5	nd
Methyl Methanesulfonate	0.5	nd
1-Methylnaphthalene	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID 2008018994

Client ID LFP2

Analyte Name	PQL	Duplicate
2-Methylnaphthalene	0.5	nd
Methyl parathion	0.5	nd
o-Cresol	0.5	nd
m&p-Cresol	0.5	nd
Naphthalene	0.5	nd
1,4-Naphthoquinone	0.5	nd
1-Naphthylamine	0.5	nd
2-Naphthylamine	0.5	nd
2-Nitroaniline	0.5	nd
3-Nitroaniline	0.5	nd
4-Nitroaniline	0.5	nd
Nitrobenzene	0.5	nd
2-Nitrophenol	0.5	nd
4-Nitrophenol	0.5	nd
4-Nitroquinoline-1-oxide	0.5	nd
N-Nitrosodi-n-butylamine	0.5	nd
N-Nitrosodiethylamine	0.5	nd
N-Nitrosodimethylamine	0.5	nd
N-Nitrosodiphenylamine	0.5	nd
N-Nitrosodi-n-propylamine	0.5	nd
N-Nitrosomethylethylamine	0.5	nd
N-Nitrosomorpholine	0.5	nd
N-Nitrosopiperidine	0.5	nd
N-Nitrosopyrrolidine	0.5	nd
5-Nitro-o-toluidine	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID 2008018994

Client ID LFP2

Analyte Name

PQL

Duplicate

Analyte Name	PQL	Duplicate
Parathion	0.5	nd
Pentachlorobenzene	0.5	nd
Pentachloroethane	0.5	nd
Pentachloronitrobenzene	0.5	nd
Pentachlorophenol	0.5	nd
Phenacetin	0.5	nd
Phenanthrene	0.5	1.5
Phenol	0.5	nd
p-Phenylenediamine	0.5	nd
Phorate	0.5	nd
2-Picoline	0.5	nd
Pronamide	0.5	nd
Pyrene	0.5	1.5
Pyridine	0.5	nd
Safrole	0.5	nd
Sulfotepp	0.5	nd
1,2,4,5-Tetrachlorobenzene	0.5	nd
Tetrachlorocyclopropene	0.5	nd
2,3,4,6-Tetrachlorophenol	0.5	nd
Thionazin	0.5	nd
o-Toluidine	0.5	nd
1,2,4-Trichlorobenzene	0.5	nd
1,3,5-Trichlorobenzene	0.5	nd
2,4,5-Trichlorophenol	0.5	nd
2,4,6-Trichlorophenol	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID 2008018994

Client ID LFP2

Analyte Name

PQL

Duplicate

Analyte Name	PQL	Duplicate
O,O,O-Triethylphosphorothioate	0.5	nd
1,3,5-Trinitrobenzene	0.5	nd
Aldrin	0.5	nd
alpha-BHC	0.5	nd
beta-BHC	0.5	nd
delta-BHC	0.5	nd
gamma-BHC	0.5	nd
Chlordane	0.5	nd
4,4-DDD	0.5	nd
4,4-DDE	0.5	nd
4,4-DDT	0.5	nd
Dieldrin	0.5	nd
Endosulfan 1	0.5	nd
Endosulfan 2	0.5	nd
Endosulfan Sulphate	0.5	nd
Endrin	0.5	nd
Endrin Aldehyde	0.5	nd
Heptachlor	0.5	nd
Heptachlor Epoxide	0.5	nd
Methoxychlor	0.5	nd
Chlorpyrifos	0.5	nd
Fenitrothion	0.5	nd
Malathion	0.5	nd
Endrin ketone	0.5	nd
Arochlor 1016	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID 2008018994

Client ID LFP2

Analyte Name

PQL

Duplicate

Analyte Name	PQL	Duplicate
Arochlor 1221	0.5	nd
Arochlor 1232	0.5	nd
Arochlor 1242	0.5	nd
Arochlor 1248	0.5	nd
Arochlor 1254	0.5	nd
Arochlor 1260	0.5	nd
Arochlor 1262	0.5	nd
Arochlor 1268	0.5	nd
Alachlor	0.5	nd
Ametryn	0.5	nd
Atraton	0.5	nd
Atrazine	0.5	nd
Bromacil	0.5	nd
Butachlor	0.5	nd
Butylate	0.5	nd
Chlorpropham	0.5	nd
Cyanazine	0.5	nd
Cycloate	0.5	nd
Dichlorvos	0.5	nd
Diphenamid	0.5	nd
EPTC	0.5	nd
Ethoprop	0.5	nd
Fenarimol	0.5	nd
Fluridone	0.5	nd
Hexazinone	0.5	nd



(I) RESULTS

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Sample units are expressed in mg/kg

Leeder ID	2008018994	
Client ID	LFP2	
Analyte Name	PQL	Duplicate

Analyte Name	PQL	Duplicate
Methyl Paraoxon	0.5	nd
Metolachlor	0.5	nd
Mevinphos	0.5	nd
MGK-264,mixed isomers	0.5	nd
Molinate	0.5	nd
Napropamide	0.5	nd
Norflurazon	0.5	nd
Pebulate	0.5	nd
Prometon	0.5	nd
Prometryn	0.5	nd
Propachlor	0.5	nd
Propazine	0.5	nd
Simetryn	0.5	nd
Stirofos	0.5	nd
Tebuthiuron	0.5	nd
Terbacil	0.5	nd
Terbutryn	0.5	nd
Triadimefon	0.5	nd
Tricyclazole	0.5	nd
Trifluralin	0.5	nd
Vernolate	0.5	nd



(I) RESULTS

Report N°: M081516

Matrix: Dust

Method: Surrogate Recovery

Sample units are expressed in %

	Leeder ID	2008018748	2008018749	2008018750	2008018751	2008018753
	Client ID	LFP1	LFP2	LFK1	NET2	Method
Analyte Name	PQL					Blank
Fluorobiphenyl		101	103	101	108	101
Fluorophenol		96	109	104	111	99
Nitrobenzene-d5		98	106	109	114	97
Phenol-d6		96	106	100	110	84
p-Terphenyl-d14		90	89	91	93	96
2,4,6-Tribromophenol		85	101	95	89	47*

Matrix: Dust

Method: Surrogate Recovery

Sample units are expressed in %

	Leeder ID	2008018994
	Client ID	LFP2
Analyte Name	PQL	Duplicate
Fluorobiphenyl		99
Fluorophenol		108
Nitrobenzene-d5		105
Phenol-d6		109
p-Terphenyl-d14		87
2,4,6-Tribromophenol		96



(II) QUALITY CONTROL

Report N°: M081516

Matrix: Water

Method: MA-1400.WW.01 Metals

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leeder ID	2008018738	2008018739	2008018746	2008018747
	Client ID	LFP2 Filtered	LFP2 Filtered	LFP2 Unfiltered	LFP2 Unfiltered
	PQL	Spike	Spike Dup	Spike	Spike Dup
Antimony		102	104	105	105
Arsenic		110	111	113	112
Barium		102	105	105	106
Beryllium		108	110	110	109
Cadmium		102	105	106	105
Chromium		105	107	108	106
Cobalt		102	105	105	104
Copper		108	110	110	111
Lead		99	101	102	102
Manganese		104	105	97	97
Mercury		98	100	99	100
Molybdenum		102	105	105	105
Nickel		106	108	110	107
Selenium		108	109	112	112
Silver		91	92	98	99
Thallium		99	101	102	102
Tin		101	103	105	104
Zinc		95	96	100	98



(II) QUALITY CONTROL

Matrix: Dust

Method: MA-1400.SD.01 Metals

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018754	2008018755
	Client ID	NET2	NET2
	PQL	Spike	Spike Dup
Antimony		90	91
Arsenic		103	104
Barium		89	88
Beryllium		90	91
Cadmium		91	92
Chromium		90	88
Cobalt		92	93
Copper		U	U
Lead		105	108
Manganese		89	90
Mercury		88	90
Molybdenum		98	100
Nickel		85	86
Selenium		101	102
Silver		85	88
Thallium		90	92
Tin		80	81
Zinc		U	U



(II) QUALITY CONTROL

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Acenaphthene		94	90
4-Chloro-3-methylphenol		79	71

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
2-Chlorophenol		98	93
1,4-Dichlorobenzene		90	86



(II) QUALITY CONTROL

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
2,4-Dinitrotoluene		62	68

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Methyl parathion		67	63
4-Nitrophenol		120	122
N-Nitrosodi-n-propylamine		74	68



(II) QUALITY CONTROL

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Phenol		91	86
Pyrene		88	84
1,2,4-Trichlorobenzene		98	96

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Aldrin		125	111
gamma-BHC		113	101
4,4-DDT		99	90
Dieldrin		124	118
Endrin		115	108
Heptachlor		105	89
Chlorpyrifos		86	107



(II) QUALITY CONTROL

Matrix: Dust

Method: USEPA 8270C.SD.01 SVOCs

Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Arochlor 1260		106	105
Dichlorvos		65	63

Matrix: Dust

Method: Surrogate Recovery

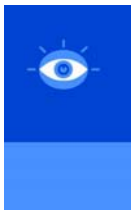
Quality Control Results are expressed in Percent Recovery of expected result

Analyte Name	Leader ID	2008018995	2008018996
	Client ID	Method	Method
	PQL	Spike	Spike Dup
Fluorobiphenyl		116	110
Fluorophenol		115	105
Nitrobenzene-d5		113	103
Phenol-d6		104	95
p-Terphenyl-d14		117	107
2,4,6-Tribromophenol		71	62



QUALIFIERS / NOTES FOR REPORTED RESULTS

PQL	Practical Quantitation Limit
<i>is</i>	Insufficient Sample to perform this analysis.
T	Tentative identification based on computer library search of mass spectra.
ND	Not Detected – The analyte was not detected above the reported PQL.
<i>nr</i>	Not Requested for analysis.
R	Rejected Result – results for this analysis failed QC checks.
SQ	Semi-Quantitative result – quantitation based on a generic response factor for this class of analyte.
IM	Inappropriate method of analysis for this compound
U	Unable to provide Quality Control data – high levels of compounds in sample interfered with analysis of QC results.
UF	Unable to provide Quality Control data- Surrogates failed QC checks due to sample matrix effects
UI	Unable to provide Quality Control data – insufficient sample to perform QC checks.
B	This analyte also detected in analysis of the Method Blank.
D	Deviation from standard method – see notes for specific explanation.
L	Analyte detected at a level above the linear response of calibration curve.
NT	No blank sorbent tubes provided for QC analysis.
C1	These compounds co-elute.
C2	These compounds co-elute.



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APPENDIX ONE.

CHAIN OF CUSTODY DOCUMENT

Kristian Hansen

From: Kristian Hansen [kristian@leederconsulting.com]
Sent: Friday, 8 August 2008 3:03 PM
To: 'Rob Mitchell'
Subject: Price for dust and water analysis

Hi Rob,

Thanks for dropping the samples in this afternoon.

As discussed, here is a breakdown of costs.

4 x dusts for SVOC analysis @ \$350ea = \$1,400 set up fee for SVOC analysis \$200

4 x metals analysis on dust @ \$80ea = \$320

4x filtering of waters 0.45um @ \$15ea = \$60

4 x waters for dissolved metals @ \$80ea = \$320

4 x waters for total metals @ \$80ea = \$320

Total cost \$2,620 + GST

Please dont hesitate to contact me should you have any queries.

Regards,
Kristian

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