

Certificate of Analysis

For

BioCat

Formally known as

EC-165

Client Info: ENVIRONMENTAL ENTERPRISES
58485 Pearl Acres Road
Slidell, LA 70461
Attn: Mark O'Neil

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample ID: **MS06105**

Sample Description: NCP Analyses

Sample Collection Date: 08/18/03

Lab Submittal Date: 08/20/03

Location Code: ENVENT

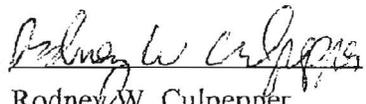
Sample Collector: CLIENT

Sample Collection Time: 00:00

Lab Submittal Time: 09:45

Analyte	Method	Result	MDL	Units	Date	Time	Analyst
Arsenic	200.7	Not detected	0.002	mg/L	08/20/03	17:20	DEC
Cadmium	200.7	Not detected	0.001	mg/L	08/20/03	17:20	DEC
Chromium	200.7	0.012	0.005	mg/L	08/20/03	17:20	DEC
Copper	200.7	Not detected	0.002	mg/L	08/20/03	17:20	DEC
Cyanide	ASTM-D 2036-98	Not detected	0.1	mg/L	09/04/03	13:35	CRR
Specific Gravity	ASTM-D 1298-85(90)	1.028	0.01	---	09/04/03	13:50	CRR
Flash Point	ASTM-D 93-90	> 200 °F	1	F	08/25/03	14:45	RLT
Lead	200.7	Not detected	0.005	mg/L	08/20/03	17:20	DEC
Mercury	245.1	Not detected	0.0002	mg/L	08/20/03	17:20	CRR
Nickel	200.7	Not detected	0.005	mg/L	08/20/03	17:20	DEC
PCBs	608	See attached	---	ug/L	09/09/03	14:15	DEC
Pesticides	608	See attached	---	ug/L	09/09/03	14:15	DEC
pH	ASTM-D 1293-84(90)	8.63	0.01	SU	08/25/03	13:55	CRR
Pour Point	ASTM-D 97-87	-1.8 °C	0.2	C	09/02/03	14:30	RWC
Viscosity	ASTM-D 445-88	9	0.5	CP	08/30/03	14:10	RWC
Volatile Organics	601	See attached	--	mg/L	08/29/03	18:41	CRR
Zinc	200.7	0.082	0.002	mg/L	08/20/03	17:20	DEC

If you have any questions regarding these analyses or procedures, please contact:

Reviewed By: 
Rodney W. Culpepper
Laboratory Manager

Pesticide/PCB - GC/ECD Analytical Data

Client: Environmental Enterprises
 Lab Sample Number: MS06015
 Date/Time Collected: 08/18/03 00:00
 Pest/PCB Analysis: 09/09/03 14:15
 Sample Matrix: Water

Sample Location: NCP Analyses

Component Name	Sample Results ug/L (ppb)	Component MDL ug/L (ppb)
alpha - BHC	ND	2.5
beta - BHC	ND	2.5
delta - BHC	ND	2.5
gamma - BHC (Lindane)	ND	2.5
Heptachlor	ND	2.5
Aldrin	ND	2.5
Heptachlor epoxide	ND	2.5
4,4' - DDE	ND	5.0
Dieldrin	ND	5.0
Endrin	ND	5.0
Endosulfan I	ND	2.5
Endosulfan II	ND	5.0
4,4' - DDD	ND	5.0
Endrin Aldehyde	ND	5.0
Endrin Ketone	ND	5.0
Methoxychlor	ND	2.5
4,4' - DDT	ND	5.0
Endosulfan Sulfate	ND	5.0
alpha - Chlordane	ND	2.5
gamma - Chlordane	ND	2.5
Toxaphene	ND	50.0
Chlordane	ND	50.0
Aroclor 1016	ND	50.0
Aroclor 1221	ND	50.0
Aroclor 1232	ND	50.0
Aroclor 1242	ND	50.0
Aroclor 1248	ND	50.0
Aroclor 1254	ND	50.0
Aroclor 1260	ND	50.0

Method Reference: EPA Method 608

MDL - Method Detection Limit

ND - Not Detected

39 King Road, Suite 1
 Hattiesburg, MS 39402

phone: (601)264-5184
 fax: (601)268-2030

Pesticide/PCB - GC/ECD Analytical Data

Client: Environmental Enterprises
 Lab Sample Number: MS06015
 Date/Time Collected: 08/18/03 00:00
 Pest/PCB Analysis: 09/09/03 14:15
 Sample Matrix: Water

Sample Location: NCP Analyses

Surrogate Recovery

Surrogate Compound	Recovery (%)	QA/QC
Decachlorobiphenyl	96.6	

Matrix Spike/Matrix Spike Duplicate Recovery

Matrix Spike Compound	MS (%)	MSD (%)	RPD (%)	QA/QC
Lindane	93	93	0.0	
Endrin	86	83	3.6	
4,4' DDT	94	87	7.7	
Heptachlor	97	95	2.1	
Aldrin	93	90	3.3	
Dieldrin	86	87	1.2	

All Data Validated by:



Rodney W. Culpepper
 Laboratory Manager

Method Reference: EPA Method 608

MDL - Method Detection Limit

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Volatile Organics - GC/MS Analytical Data

Client: Environmental Enterprises

Lab Sample Number: MS06105

Date/Time Collected:

Sample Location: NCP Analyses

Date/Time Analysis: 08/29/03 18:41

Sample Matrix: Liquid

Volatile Organics Component Name	Sample Results mg/L (ppm)	Component MDL mg/L (ppm)
Bromodichloromethane	ND	10
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	10
Chlorobenzene	ND	10
Chloroethane	ND	10
2-Chloroethylvinyl ether	ND	10
Chloroform	ND	10
Chloromethane	ND	10
Dibromochloromethane	ND	10
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
Dichlorodifluoromethane	ND	10
1,1-Dichloroethane	ND	10
1,2-Dichloroethane	ND	10
1,1-Dichloroethene	ND	10
trans-1,2-Dichloroethene	ND	10
1,2-Dichloropropane	ND	10
cis-1,3-Dichloropropene	ND	10
trans-1,3-Dichloropropene	ND	10
Methylene Chloride	ND	25
1,1,1,2-Tetrachloroethane	ND	10
Tetrachloroethene	ND	10
1,1,1-Trichloroethane	ND	10
1,1,2-Trichloroethane	ND	10
Trichloroethene	ND	10
Trichlorofluoromethane	ND	10
Vinyl Chloride	ND	10

Method Reference: EPA 601

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Volatile Organics - GC/MS Analytical Data

Client: Environmental Enterprises

Lab Sample Number: MS06105

Date/Time Collected:

Sample Location: NCP Analyses

Date/Time Analysis: 08/29/03 18:41

Sample Matrix: Liquid

QA/QC RESULTS

Surrogate Recovery

Surrogate Compound	Recovery %
Dibromofluoromethane	106.9
Toluene-d8	96.2
4-Bromofluorobenzene	108.6

Matrix Spike/Matrix Spike Duplicate Recovery

Matrix Spike Compound	MS %	MSD %	RPD %
1,1-Dichloroethene	98.8	101.2	2.4
Benzene	98.4	102.8	4.4
Trichloroethene	101.4	102.2	0.8
Toluene	103.0	102.6	0.4
Chlorobenzene	101.6	100.0	1.6

All Data Validated by:

Rodney W. Culpepper
Laboratory Manager

Method Reference: EPA 601

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