

Analytical Report

Client: Private Parties
 Project: Soil Testing for Dioxins/Furans/E1000245
 Sample Matrix: Misc. Solid
 Sample Name: mont marrolonite
 Lab Code: E1000245-001

Service Request: E1000245
 Date Collected: 3/ 8/10 0000
 Date Received: 3/ 8/10

Units: ng/Kg
 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 1613B
 Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.0937	1	1	
1,2,3,7,8-PeCDD	ND	0.0784	1	1	
1,2,3,4,7,8-HxCDD	ND	0.0706	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.0932	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.0769	1	0.1	
1,2,3,4,6,7,8-HpCDD	0.135	0.0650	1	0.01	0.00135
OCDD	0.864	0.112	1	0.0003	0.000259
2,3,7,8-TCDF	ND	0.0937	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0829	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0826	1	0.3	
1,2,3,4,7,8-HxCDF	ND	0.0523	1	0.1	
1,2,3,6,7,8-HxCDF	ND	0.0501	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.0591	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.0548	1	0.1	
1,2,3,4,6,7,8-HpCDF	ND	0.0494	1	0.01	
1,2,3,4,7,8,9-HpCDF	ND	0.0645	1	0.01	
OCDF	ND	0.105	1	0.0003	
Total TEQ					0.00161

2005 WHO TEFs, ND = 0

Comments:

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Analytical Method: 1613B
 Prep Method: Method
 Sample Amount: 10.029g
 Data File Name: P107740
 ICAL Date: 07/29/09

Date Analyzed: 3/18/10 2040
 Date Extracted: 3/11/10
 Instrument Name: E-HRMS-03
 GC Column: DB-5
 Blank File Name: U135542
 Cal Ver. File Name: P107736

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1171.635	59		25-164	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1312.639	66		25-181	1.58	1.168
13C-1,2,3,4,7,8-HxCDD	2000	1425.336	71		32-141	1.27	0.990
13C-1,2,3,6,7,8-HxCDD	2000	1211.875	61		28-130	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1214.731	61		23-140	1.04	1.068
13C-OCDD	4000	2120.041	53		17-157	0.91	1.148
13C-2,3,7,8-TCDF	2000	1199.084	60		24-169	0.79	0.978
13C-1,2,3,7,8-PeCDF	2000	1252.946	63		24-185	1.60	1.130
13C-2,3,4,7,8-PeCDF	2000	1205.429	60		21-178	1.58	1.156
13C-1,2,3,4,7,8-HxCDF	2000	1221.936	61		26-152	0.53	0.971
13C-1,2,3,6,7,8-HxCDF	2000	1291.466	65		26-123	0.53	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1310.391	66		29-147	0.53	1.006
13C-2,3,4,6,7,8-HxCDF	2000	1269.154	63		28-136	0.54	0.987
13C-1,2,3,4,6,7,8-HpCDF	2000	1102.150	55		28-143	0.44	1.044
13C-1,2,3,4,7,8,9-HpCDF	2000	1196.844	60		26-138	0.45	1.079
37Cl-2,3,7,8-TCDD	800	667.066	83		35-197	NA	1.008

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Instrument Name: E-HRMS-03
GC Column: DB-5
Blank File Name: U135542
Cal Ver. File Name: P107736

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND U	0.0937	0.997			1
1,2,3,7,8-PeCDD	ND U	0.0784	4.99			1
1,2,3,4,7,8-HxCDD	ND U	0.0706	4.99			1
1,2,3,6,7,8-HxCDD	ND U	0.0932	4.99			1
1,2,3,7,8,9-HxCDD	ND U	0.0769	4.99			1
1,2,3,4,6,7,8-HpCDD	0.135 JK	0.0650	4.99	0.78	1.000	1
OCDD	0.864 J	0.112	9.97	0.91	1.000	1
2,3,7,8-TCDF	ND U	0.0937	0.997			1
1,2,3,7,8-PeCDF	ND U	0.0829	4.99			1
2,3,4,7,8-PeCDF	ND U	0.0826	4.99			1
1,2,3,4,7,8-HxCDF	ND U	0.0523	4.99			1
1,2,3,6,7,8-HxCDF	ND U	0.0501	4.99			1
1,2,3,7,8,9-HxCDF	ND U	0.0591	4.99			1
2,3,4,6,7,8-HxCDF	ND U	0.0548	4.99			1
1,2,3,4,6,7,8-HpCDF	ND U	0.0494	4.99			1
1,2,3,4,7,8,9-HpCDF	ND U	0.0645	4.99			1
OCDF	ND U	0.105	9.97			1
Total Tetra-Dioxins	ND U	0.0937	0.997			1
Total Penta-Dioxins	ND U	0.0784	4.99			1
Total Hexa-Dioxins	ND U	0.0706	4.99			1
Total Hepta-Dioxins	0.230 J	0.0650	4.99	1.11		1
Total Tetra-Furans	ND U	0.0937	0.997			1
Total Penta-Furans	ND U	0.0826	4.99			1
Total Hexa-Furans	ND U	0.0523	4.99			1
Total Hepta-Furans	ND U	0.0494	4.99			1

Comments: _____