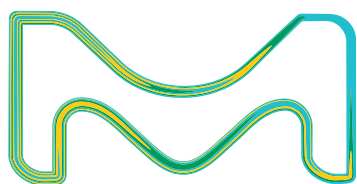


分析标准品目录

环境行业分册2018-2019



我们专注于精准和质量

作为唯一一家全球性的分析标准品及认证参考物质的制造商，我们致力于为科学界提供全方位的产品组合和可信赖品牌，包括：

- Pestanal®
- Cerilliant®¹
- Vetranal™
- TraceCERT®
- Aquastar™
- Certipur®

只有质量体系健全的机构才能够提供高品质的参考物质。ISO/IEC 17025和ISO Guide 34²双重认证堪称质量体系的巅峰成就，足以有效保证认证参考物质（CRM）的可靠生产和检测。我们所有四家参考物质生产基地均通过了双重认证。

默克生命科学将 Merck Millipore 与 Sigma-Aldrich 的世界级产品与服务、创新能力及卓越的技术专长完美结合在一起，打造生命科学的全球领导者。

1. 在部分国家和地区，Cerilliant 可能不由默克经销。
2. 变更为ISO/IEC 17034。

我们耳目一新的设计彰显了我们振奋人心的转型成果，完美印证了您对默克的期待：启谛美好未来。

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临床诊断



制药



保健和化妆品



食品和饮料



法医/毒理



环境



工业

Sigma-Aldrich分析标准品主要类别

Supelco标准品

Supelco提供的标准品主要类别有：

- **食品及饮料标准品**，如：维生素、甜味剂、糖、糖醇和有机酸标准品套装、有机酸、抗氧化剂、灭菌剂/防腐剂、固醇类、脂肪酸及脂肪酸甲酯、霉菌毒素及农/兽药残留标准品等。
- **环境监测标准品**，如：饮用水分析、废水分析、固体废弃物&地下水分析、US EPA合同实验室分析(CLP)、苯系物(BTEX)、汽油(GRO)、柴油(DRO)、燃料(Fuel)类、空气监测类、溶剂残留等标准品。
- **石油标准品**，如：ASTM方法标准品、生物柴油、PNA/PNONA/P-I-A-N-O标准品等
- **色谱通用标准品**，如：烷烃、烯烃、芳香烃、氯代烃、环烃和HPLC&GC校准标准品等



大部分Supelco标准品纯度大于99%，除非特别说明。每一批次确切的纯度或浓度信息，详见随货的分析证书(Certificate of Analysis)。一般Supelco的产品货号中，不包含包装规格信息。不同包装，不同货号。

Sigma-Aldrich标准品

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- **食品及饮料标准品**，如：三聚氰胺、雌激素、苏丹红、孔雀石绿、硝基呋喃及代谢产物、氨基酸、多肽和蛋白类、脂肪酸/脂肪酸甲酯类、霉菌毒素类等PESTANAL®农残/VETRANAL® 兽药残留标准品。
- **其他色谱用标准品**，如：微囊藻毒素、双酚A及其环氧衍生物等OEKANAL® 环境标准品、不同浓度乙醇标准溶液、植物提取标准品及气相色谱用标准、GPC标准品。
- **ERM认证参考标准物质(CRM)**，非基质认证参考标准物质、食品或农产品基质认证物质、环境基质认证物质、健康医疗基质认证物质、工业用基质认证物质、物理性质认证物质等。
- **物理性质标准品**，如：pH 标准缓冲液、电导率标准液、密度标准品、熔点标准品、粒径标准品、色度标准液等
- **原子吸收(AA)、ICP、离子色谱(IC)标准液(TraceCert®)**，TraceCert®标准液，品质卓越、价格不贵，物超所值！
 - 双重认证——生产通过 ISO/IEC 17025和 ISO Guide 34认证
 - 可溯源性——可溯源到至少2家标准权威机构（NIST、BAM等）
 - 精密包装—— 高密度聚乙烯瓶，ICP标准液瓶外有铝箔袋密封
 - 分析证书数据详细——随产品附带分析证书，标明准确浓度值、不确定度和保质期（长达3年）
 - ICP标准液——分析证书中列出多达75种痕量杂质含量（一般均<0.01 ppm），可用于ICP-OES或ICP-MS分析

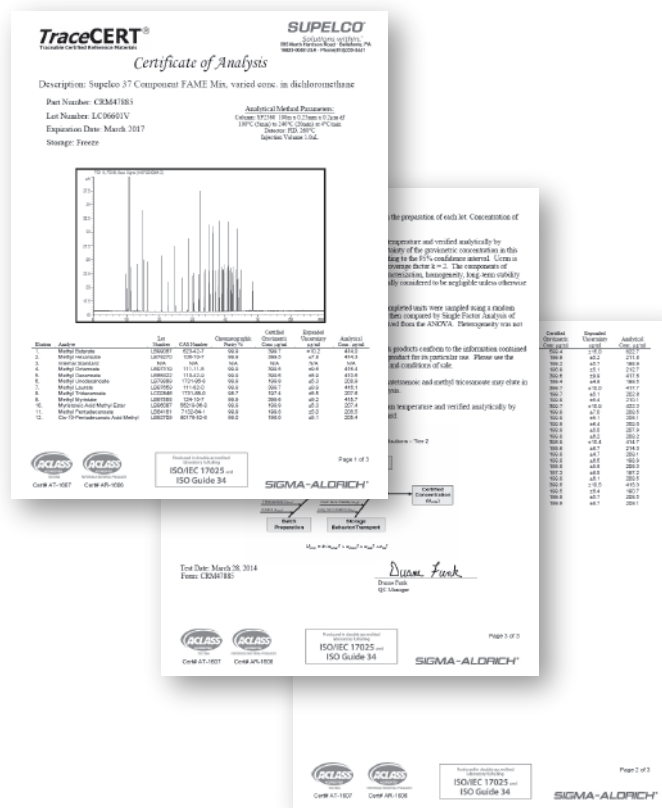
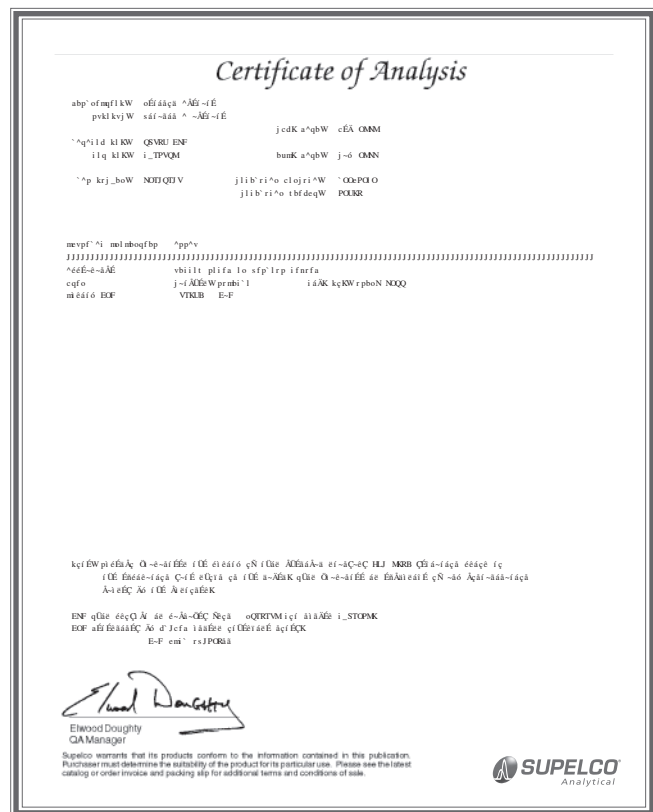


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Sigma-Aldrich分析标准品证书

Supelco标准品分析证书

每个Supelco标准品，随货均附有分析证书(Certificate of Analysis)。您也可到www.sigmaaldrich.com网站上产品信息的页面上输入批号(Lot No.或 Batch No.) 下载电子版分析证书。证书举例如下：



并且Supelco所有环境标准品均可提供生产和分析测试信息。我们的信息数据包(Data packet)，满足美国环保总局(US EPA)在1990年3月提出及随后的合同实验室分析(CLP)声明的要求。每个数据包文件，都包含有我们严格的原材料身份验证和纯度测试的分析方法，并提供Supelco标准品的确切纯度或浓度信息。如您需要此类信息数据包(Data packet)，提交申请后即可免费获得。

每个Sigma-Aldrich标准品, 均有分析证书(Certificate of Analysis)。可到www.sigmaaldrich.com网站上产品信息的页面上输入批号(Lot No.或 Batch No.) 下载电子版分析证书。证书举例如下:

[illegible]

The collage features several key documents:

- ERM Certification Report:** A large document on the left titled "CERTIFICATION REPORT" for "Certification of mass fractions of nitroimidazoles in pork meat". It includes the ERM logo and a JRC logo at the bottom.
- ERM Certificate of Analysis:** A document titled "CERTIFICATE OF ANALYSIS ERM® BB124" showing a table of mass fractions for nitroimidazoles in pork muscle. The table lists compounds like Nitroimidazole (NMZ), Nitroimidazole (NMZ), and 2-hydroxy-5-nitroimidazole (HNMZ) with their respective certified and uncertified values.
- TraceCERT Certificate:** A document from TraceCERT and SIGMA-ALDRICH titled "Certificate" for "Standard for ICP (TraceCERT)". It includes a table of certified values for various elements.
- JRC Certificate:** A document from the Joint Research Centre (JRC) titled "CERTIFICATE OF ANALYSIS" for "Certification of mass fractions of nitroimidazoles in pork meat". It includes a table of certified values for various elements.
- TraceCERT Certificate (continued):** A document from TraceCERT and SIGMA-ALDRICH titled "Certificate" for "Standard for ICP (TraceCERT)". It includes a table of certified values for various elements.
- TraceCERT Certificate (continued):** A document from TraceCERT and SIGMA-ALDRICH titled "Certificate" for "Standard for ICP (TraceCERT)". It includes a table of certified values for various elements.

TraceCERT ICP标准证书举例
(共三页, 含不确定度和溯源性声明)

Quality systems

		
SRMS 001 ISO Guide 34	STS 490 ISO 17025	16368-02 ISO 9001

Sigma-Aldrich分析标准品包装

Supelco标准品包装



Supelco标准品的包装,是经过严格检验和筛选,确保运输和储存标准品安全,取用方便。Supelco标准品一般被包装在棕色安瓿瓶中,惰性气体填充密封,并且安瓿瓶外还有硬纸盒包装。储存管理方便,一目了然。

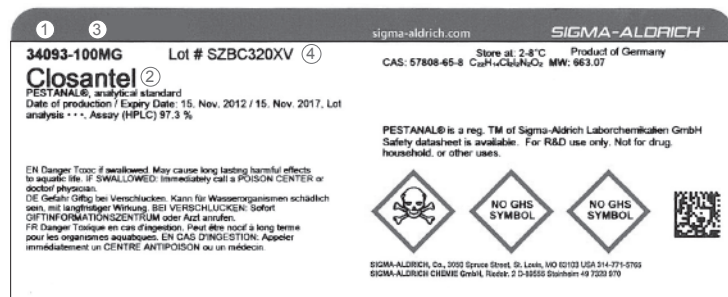
Sigma-Aldrich标准品包装



Sigma-Aldrich标准品的包装,经过严格检验和筛选,确保运输和储存标准品安全,取用方便。Sigma-Aldrich标准品一般包装在棕色螺纹口小瓶中。对于一些易挥发的溶液型标准品,还被包装在Certen®瓶中。此瓶是独一无二的安全包装,螺纹口密封,顶部开口是1.2×28mm长的毛细管,可有效地预防样品的挥发,并最大程度地降低了样品污染的几率。取样时,使用一根注射器精确取样。注射器的针头直径不大于0.8mm,长度不低于70mm。

Sigma-Aldrich分析标准品标签

Sigma-Aldrich标准品标签上提供的信息非常全,包括品牌、产品货号(Product No.)和批号(Lot或Batch No.)、产品名称(Product Name)、纯度级别、危险性标志、存储条件、生产日期和保质期等信息。标准品标签举例如下:



- ① 货号
- ② 产品名
- ③ 包装
- ④ 批号

Sigma-Aldrich服务

Sigma-Aldrich网站分析页面

在Sigma-Aldrich网站(www.sigmaaldrich.com)首页选择产品 → 分析色谱/分析标准品(中文)。



此中文页面将列出分析产品分类、主要应用、分析搜索引擎及相关新闻和信息等。



标准品搜索引擎

在分析化学/色谱学中文页面右边，有标准品的搜索引擎(或直接输入网址：www.sigma-aldrich.com/standards_explorer)。它可方便您利用英文或中文名称、CAS No.、分子式、国际方法号等关键字快速有效地从我们330,000多种产品中找到您所需要的标准品。

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- 滴定法/ Karl Fischer
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- 气相色谱
- 样品制备与纯化
- 分析标准品和认证参考物质
 - Sigma-Aldrich 分析标准品选购指南
 - Cerilliant乙醇标准品
 - Supelco CRM标准品列表
 - 分析标准品搜索——品种最齐全的分析标准品
 - 默克最新推出的满足海关审查要求的参考物质
- 分析试剂
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- 食品安全
- 食品分析
 - Reporter China
 - 水质与食品分析

分析标准品搜索——品种最齐全的分析标准品

通过以下搜索工具, 您可以快速查询分析标准品和认证参考物质, 而不用在我们的官网中从上千个产品中挑选您需要的产品了。

搜索小贴士:

- 查询混标时, 组分名称间用逗号分隔
- 搜索CAS号时, CAS号间的“短横”可以不用输入
- 通过机构名搜索时, 需要输入方法号

搜索

可通过产品名称/货号, CAS号, 或者分子式搜索

☐ 组分

搜索

机构/方法

机构名: 先选择机构

方法号: 再选择方法号

搜索

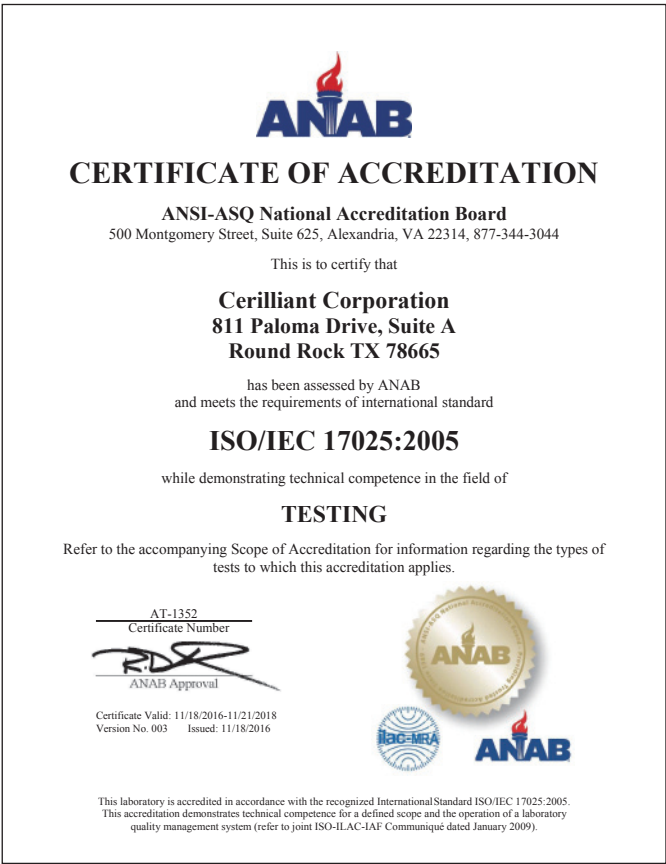
定制服务

我们国外工厂可以为您量身订制满足您需要的混标。并且每个定制混标随产品附组分证书。请填写表格email 到 techservCN@sial.com联系我们。定制混标表格举例如下。

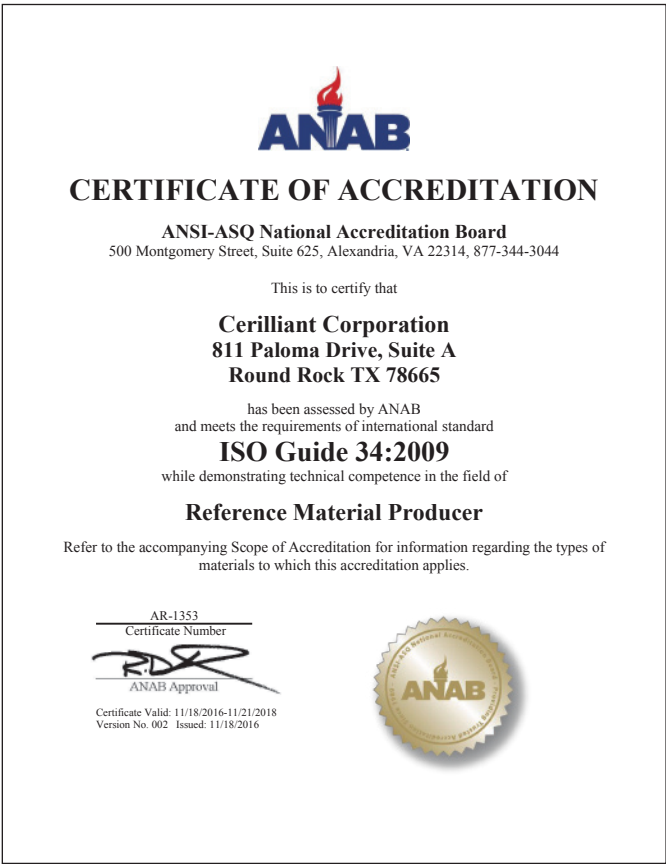
序号	组分英文名	组分中文名	组分 CAS No.	浓度	溶剂
其他要求					
联系方式					
联系人		电话		传真	
email				手机	
单位名				部门	
地址					
城市		省		邮编	

9

Sigma-Aldrich通过质量认证的证书



位于美国 Round Rock 的Cerilliant通过ISO Guide 34证书



位于美国 Round Rock 的Cerilliant通过ISO 17025证书

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多环芳烃(PAHs)标准品

多环芳烃(PAHs)类单标

中文名称	英文名称	订货号	规格	包装
萘烯	Acenaphthene	92549-50mg	CRM	50mg
		48566	analytical standard	100mg
萘	Acenaphthylene	05426-100mg	CRM	100mg
		48643	CRM, 200µg/mL溶于甲醇	1mL
		36959-2mL	analytical standard, 100µg/mL溶于环己烷	2mL
		48500-U	analytical standard	5G
蒽	Anthracene	48647	CRM, 200µg/mL溶于甲醇	1mL
		07671-100mg	CRM	100mg
		40076	CRM, 1000µg/mL溶于丙酮	1mL
		31581-250mg	analytical standard	250mg
		48567	analytical standard	5G
苯并(a)蒽	Benz[a]anthracene	75451-50mg	CRM	50mg
		48651	CRM, 200µg/mL溶于二氯甲烷	1mL
		40070-U	CRM, 1000µg/mL溶于甲醇	1mL
		48563	analytical standard	100mg
		36956-2mL	analytical standard, 100 ng/µL溶于环己烷	2mL
苯并(a)芘	Benzo[a]pyrene	51968-50mg	CMR	50mg
		CRM40071	CRM, 1000µg/mL溶于丙酮	1mL
		CRM48665	CRM, 200µg/mL溶于二氯甲烷	1mL
		48564	analytical standard	100mg
		31306-2mL	analytical standard, 100µg/mL溶于环己烷	2mL
苯并(b)荧蒽	Benzo[b]fluoranthene	30958-50mg	CRM	50mg
		40072	CRM, 1000µg/mL溶于丙酮	1mL
		48637	CRM, 200µg/mL溶于甲醇	1mL
		48490	analytical standard	50mg
		SCB-002-1G	analytical standard	1G
苯并(g,h,i)芘	Benzo[ghi]perylene	36955-2mL-R	analytical standard, 100µg/mL溶于环己烷	2mL
		55488-10mg	CRM	10mg
		49475-U	CRM, 100µg/mL溶于二氯甲烷	1mL
		48667	CRM, 200µg/mL溶于二氯甲烷	1mL
		48491	analytical standard	25mg
苯并(k)荧蒽	Benzo[k]fluoranthene	SCB-003-1G	analytical standard	1G
		03323-10mg	CRM	10mg
		40073	CRM, 1000µg/mL溶于丙酮	1mL
		48668	CRM, 200µg/mL溶于二氯甲烷	1mL
		49476-U	analytical standard, 100µg/mL溶于二氯甲烷	1mL
蒽	Chrysene	94035-50mg	CRM	50mg
		40074	CRM, 1000µg/mL溶于丙酮	1mL
		CRM48650	CRM, 200µg/mL溶于二氯甲烷	1mL
		35754-100mg	analytical standard	100mg
二苯并(a,h)蒽	Dibenz[a,h]anthracene	91861-10mg	CRM	10mg
		48574	analytical standard	100mg
		SCD-003-1G	analytical standard	1G
荧蒽	Fluoranthene	11474-100mg	CRM	100mg
		48662	CRM, 200µg/mL溶于二氯甲烷	1mL
		48535	analytical standard	5G
		45504-250mg	analytical standard	250mg
芴	Fluorene	56849-100mg	CRM	100mg
		40078	CRM, 5000µg/mL溶于甲醇	1mL
		48568	analytical standard	5G
茚并(1,2,3-c,d)芘	Indeno[1,2,3-cd]pyrene	94377-10mg	CRM	10mg
		48669	CRM, 200µg/mL溶于甲醇	1mL
		ERI-001-25mg	analytical standard	25mg
		SCI-001-1G	analytical standard	1G
		36947-2mL	analytical standard, 100µg/mL溶于环己烷	2mL
		48499	analytical standard	10mg

中文名称	英文名称	订货号	规格	包装
萘	Naphthalene	91489-100mg	CRM	100mg
		40053	CRM, 5000µg/mL溶于甲醇	1mL
		CRM48641	CRM, 200µg/mL溶于甲醇	1mL
		PHR1275-1G	CRM	1G
		84679-250mg	analytical standard	250mg
菲	Phenanthrene	73338-100mg	CRM	100mg
		40079	CRM, 5000µg/mL溶于甲醇	1mL
		48661	CRM, 200µg/mL溶于二氯甲烷	1mL
		48569	analytical standard	5G
芘	Pyrene	18868-100mg	CRM	100mg
		40082	CRM, 1000µg/mL溶于甲醇	1mL
		48570	analytical standard	5G
萘-d8	Naphthalene-d8	48715-U	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442716	analytical standard	250mg
蒽-d10	Acenaphthene-d10	48417	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442432	analytical standard	100mg
		48093	analytical standard, 2000µg/mL溶于甲醇	1mL
菲-d10	Phenanthrene-d10	48710-U	CRM, 2000µg/mL溶于甲醇	1mL
		48094	CRM, 2000µg/mL溶于甲醇	1mL
		442753	analytical standard	100mg
蒽-d12	Chrysene-d12	48416	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442523	analytical standard	25mg
芘-d12	Perylene-d12	48081	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442750	analytical standard	25mg
2-氟联苯	2-Fluorobiphenyl	48722-U	analytical standard, 2000 µg/mL溶于二氯甲烷	1mL
		47581-U	CRM, 10 mg/mL溶于二氯甲烷	1mL
对三联苯-d14	p-Terphenyl-d14	48418	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442734	analytical standard	100mg
十氟三苯基磷 DFTPP	Decafluorotriphenylphosphine	48082	CRM, 2000µg/mL溶于二氯甲烷	1mL
		47941	CRM, 1000µg/mL溶于丙酮	1mL
		442543	analytical standard	100mg

多环芳烃(PAHs)类混标

中文名称	订货号	规格	组分	包装
EPA525, 525.1 内标混标	48242	CRM, 各组分 500µg/mL溶于丙酮	蒽-d10	1mL
			蒽-d12	
			菲-d10	
EPA 525 增强混标 B	48099	CRM, 各组分 500µg/mL溶于丙酮	蒽-d10	1mL
			菲-d10	
EPA610 多环芳烃混标	CRM48743	CRM, 溶于(1:1) 二氯甲烷/甲醇	蒽-d12	1mL
			蒽	
			1000 ug/mL	
			蒽	
			2000 ug/mL	
			二苯并 (a, h) 蒽	
			100 ug/mL	
			荧蒽	
			200 ug/mL	
			芘	
EPA TCL 多环芳烃混标	CRM48905	CRM, 16种组分均为 2000µg/mL溶于(1:1) 二氯甲烷/苯	芘	1mL
			100 ug/mL	
			蒽	
			二苯并 (a, h) 蒽	
			100 ug/mL	
			荧蒽	
			200 ug/mL	
			芘	
			100 ug/mL	
			蒽	
EPA 8270 多环芳烃混标 3	8SS61291	CRM, 18种组分溶于 二氯甲烷:甲醇(1:1)	蒽	1mL
			1000µg/mL	
			二苯并[a, h]蒽	
			200µg/mL	
			蒽	
			100µg/mL	
			芘	
			100µg/mL	
			蒽	
			100µg/mL	

中文名称	订货号	规格	组分			包装	
EPA 8100 多环芳烃 (PAHs) 附加组分混标	44694-U	CRM, 7种组分溶于二氯甲烷, 各组分浓度均为1000µg/mL	二苯并[a, e]芘 (芘)	苯并[j]荧蒹		1mL	
			二苯并[a, h]芘 (芘)	二苯并[a, j]氮蒹			
			3-甲基胆蒹	7H 二苯并(c, g)咪唑			
			二苯并[a, h]氮蒹				
EPA TCL 多环芳烃混标	49156	16种组分溶于乙腈/甲醇(9:1)	芴	1000µg/mL	屈	50µg/mL	1mL
			芴烯	500µg/mL	二苯并(a, h)蒹	200µg/mL	
			蒹	20µg/mL	荧蒹	50µg/mL	
			苯并(a)蒹	50µg/mL	芴	100µg/mL	
			苯并(b)荧蒹	20µg/mL	茚并(1, 2, 3-cd)芘	50µg/mL	
			苯并(k)荧蒹	20µg/mL	蔡	1000µg/mL	
			苯并[ghi]芘	80µg/mL	菲	40µg/mL	
			苯并(a)芘,	50µg/mL	芘	100µg/mL	
EPA 8310 多环芳烃混标	CRM47543	CRM, 18种组分溶于二氯甲烷/苯(50/50), 各组分浓度均为2000µg/mL	芴	苯并(ghi)芘	茚并(1, 2, 3-cd)芘	1mL	
			芴烯	苯并(a)芘	1-甲基蔡		
			蒹	屈	2-甲基蔡		
			苯并(a)蒹	二苯并(a, h)蒹	蔡		
			苯并(b)荧蒹	芴	芘		
			苯并(k)荧蒹	荧蒹	菲		
EPA 525 多环芳烃混标A	48953-U	CRM, 15种组分溶于二氯甲烷, 各组分浓度均为500µg/mL	芴烯	屈	蒹	1mL	
			二苯并[a, h]蒹	苯并[a]蒹	芴		
			苯并[b]荧蒹	茚并(1, 2, 3-cd)芘	苯并[k]荧蒹		
			菲	苯并[ghi]芘	芘		
			苯并[a]芘				
EPA 525 多环芳烃混标B	48249	CRM, 13种组分溶于丙酮, 各组分浓度均为500µg/mL	芴烯	苯并(ghi)芘	芴	1mL	
			蒹	苯并(a)芘	茚并(1, 2, 3-cd)芘		
			苯并(a)蒹	屈	菲		
			苯并(b)荧蒹	二苯并(a, h)蒹	芘		
			苯并(k)荧蒹				

多环芳烃(PAHs)测定的色谱分析耗材

订货号	中文名称	描述	包装
20258	ORBO 43 A/B溶剂解析管	Supelpak-20U吸附剂, 8×100mm(外径×长度)	50支/盒
20037	ORBO 2000 PUF采样套筒	6cm×7.6cm	1个
57171	Envi-18 DSK SPE膜片	47mm直径	24片/盒
57063	Supelclean ENVI-18 SPE小柱	500mg/3mL	54支/盒
28471-U	SLB-5MS 气相毛细管色谱柱	30m×0.25mm×0.25µm	1EA
58229	SUPELCOSIL™ LC-PAH 液相色谱柱	5µm, 25cm×4.6mm	1EA

挥发性（VOC）/半挥发性（SVOC）有机物类标准品

挥发性/半挥发性有机物类单标

中文名称	英文名称	订货号	规格	包装
氯乙烯	vinyl chloride	48625	analytical standard, 200µg/mL溶于甲醇	1mL
1,1-二氯乙烯	1,1-dichloroethene	02574-1mL	analytical standard	1mL
		40027	CRM, 1000µg/mL溶于甲醇	1mL
二氯甲烷	Methylene chloride	02575-5mL	analytical standard	5mL
		48600	CRM, 200µg/mL溶于甲醇	1mL
		40042	CRM, 5000µg/mL溶于甲醇	1mL
反-1,2-二氯乙烯	Trans-1,2-dichloroethene	36969-1G	analytical standard	1G
		48612	CRM, 200µg/mL溶于甲醇	1mL
1,1-二氯乙烷	1,1-dichloroethane	48512	analytical standard	500mg
		48602	CRM, 200µg/mL溶于甲醇	1mL
		40012	CRM, 5000µg/mL溶于甲醇	1mL
顺-1,2-二氯乙烯	Cis-1,2-dichloroethene	48597	analytical standard	1G
		48836	CRM, 2000µg/mL溶于甲醇	1mL
		40173	CRM, 5000µg/mL溶于甲醇	1mL
氯仿	chloroform	02487	analytical standard	≥99.9%
1,1,1-三氯乙烷	1,1,1-trichloroethane	40010-U	CRM, 5000µg/mL溶于甲醇	1mL
		48614	CRM, 200µg/mL溶于甲醇	1mL
四氯化碳	Carbon tetrachloride	02671-1mL	analytical standard	1mL
1,2-二氯乙烷	1,2-dichloroethane	48509	analytical standard	500mg
		48613	CRM, 200µg/mL溶于甲醇	1mL
苯	Benzene	12540-5mL-F	analytical standard	5mL
		CRM48617	CRM, 200µg/mL溶于甲醇	1mL
三氯乙烯	Trichloroethene	46267-5mL-R	analytical standard	5mL
1,2-二氯丙烷	1,2-dichloropropane	02577-1mL	analytical standard	1mL
一溴二氯甲烷	Bromodichloromethane	48540-U	analytical standard	1G
甲苯	Toluene	89680-5mL	analytical standard	5mL
1,1,2-三氯乙烷	1,1,2-trichloroethane	46262-5mL	analytical standard	5mL
四氯乙烯	Tetrachloroethylene	02666-1mL	analytical standard	1mL
二溴氯甲烷	Dibromochloromethane	48542	analytical standard	1G
1,2-二溴乙烷	1,2-dibromoethane	48880-U	CRM, 200µg/mL溶于甲醇	1mL
氯苯	Chlorobenzene	08650-5mL-F	analytical standard	5mL
1,1,1,2-四氯乙烷	1,1,1,2-tetrachloroethane	47753-U	analytical standard	1G
乙苯	ethylbenzene	03079-5mL	analytical standard	5mL
间二甲苯	m-xylene	95670-5mL	analytical standard	5mL
对二甲苯	p-xylene	95680-5mL	analytical standard	5mL
苯乙烯	styrene	45993-250mg	analytical standard	250mg
		48347	CRM, 200µg/mL溶于甲醇	1mL
溴仿	Bromoform	40212	CRM, 5000µg/mL溶于甲醇	1mL
		36972-1G	analytical standard	1G
1,1,2,2-四氯乙烷	1,1,2,2-tetrachloroethane	46259-5mL	analytical standard	5mL
		40014	CRM, 5000µg/mL溶于甲醇	1mL
1,2,3-三氯丙烷	1,2,3-trichloropropane	47794	analytical standard	1G
		47669-U	CRM, 1000µg/mL溶于甲基叔丁基醚	1mL
		48355	CRM, 200µg/mL溶于甲醇	1mL
1,3,5-三甲基苯	1,3,4-trimethylbenzene	63908-5mL	analytical standard	5mL
		61927-100mg	CRM	100mg
		41103	CRM, 5000µg/mL溶于甲醇	1mL
1,2,3-三甲基苯	1,2,3-trimethylbenzene	47324	analytical standard	1G
		41107	CRM, 5000µg/mL溶于甲醇	1mL
1,3-二氯苯	1,3-dichlorobenzene	40214	CRM, 5000µg/mL溶于甲醇	1mL
1,4-二氯苯	1,4-dichlorobenzene	40025	CRM, 5000µg/mL溶于甲醇	1mL
1,2-二氯苯	1,2-dichlorobenzene	36707-1G	analytical standard	1G
		48639	CRM, 200µg/mL溶于甲醇	1mL
		40023	CRM, 5000µg/mL溶于甲醇	1mL
1,2,4-三氯苯	1,2,4-trichlorobenzene	36627-1G	analytical standard	1G
		40007	CRM, 5000µg/mL溶于甲醇	1mL

中文名称	英文名称	订货号	规格	包装
六氯丁二烯	hexachlorobutadiene	48543	analytical standard	5G
		40050-U	CRM, 5000µg/mL溶于甲醇	1mL
氟苯	Fluorobenzene	51411-5mL-F	analytical standard	5mL
		47895	CRM, 1000µg/mL溶于甲醇	1mL
氯苯-d5	Chlorobenzene-d5	442517	analytical standard	500mg
		48086	CRM, 2000µg/mL溶于甲醇	1mL
		48387	analytical standard, 5000µg/mL溶于甲醇	1mL
1, 4-二氯苯-d4	1, 4-Dichlorobenzene-d4	48419	CRM, 2000µg/mL溶于二氯甲烷	1mL
		48049	CRM, 2000µg/mL溶于甲醇	1mL
甲苯-d8	Toluene-d8	442809	analytical standard	1G
		CRM48593	CRM, 2000µg/mL溶于甲醇	1mL
4-溴氟苯 (BFB)	4-Bromofluorobenzene	442404	analytical standard	1G
		47937	CRM, 1000µg/mL溶于甲醇	1mL
		48083	CRM, 2000µg/mL溶于甲醇	1mL

挥发性/半挥发性有机物类混标

中文名称	订货号	规格	组分	包装		
GC挥发性混标1	861293	30种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯	1, 1-二氯乙烷	1, 1, 2, 2-四氯乙烷	5×2mL
			一溴二氯甲烷	1, 2-二氯乙烷	1, 1, 2, 2-四氯乙烷	
			三溴甲烷	1, 1-二氯乙烯	甲苯	
			四氯化碳	顺式-1, 2-二氯乙烯	1, 1, 1-三氯乙烷	
			氯苯	反式-1, 2-二氯乙烯	1, 1, 2-三氯乙烷	
			氯仿	二氯甲烷	三氯乙烯	
			二溴一氯甲烷	1, 2-二氯丙烷	1, 1, 2-三氯-1, 2, 2-三氯乙烷	
			1, 2-二氯苯	顺-1, 3-二氯丙烯	邻二甲苯	
			1, 3-二氯苯	反-1, 3-二氯丙烯	间二甲苯	
			1, 4-二氯苯	乙苯	对二甲苯	
EPA CLP 挥发性混标1	47547-U	36种组分溶于甲醇: 水 (19:1), 各组分浓度均为1000µg/mL	丙酮	二溴氯甲烷	二氯甲烷	1mL
			苯	1, 1-二氯乙烷	苯乙烯	
			溴二氯甲烷	1, 2-二氯乙烷	1, 1, 2, 2-四氯乙烷	
			溴仿	1, 1-二氯乙烯	四氯乙烯	
			溴甲烷	顺-1, 2-二氯乙烯	甲苯	
			2-丁酮	反-1, 2-二氯乙烯	1, 1, 1-三氯乙烷	
			二硫化碳	1, 2-二氯丙烷	1, 1, 2-三氯乙烷	
			四氯化碳	顺-1, 3-二氯丙烯	三氯乙烯	
			氯苯	反-1, 3-二氯丙烯	氯乙烯	
			氯乙烷	乙苯	间二甲苯	
			氯仿	2-己酮	邻二甲苯	
			氯甲烷	4-甲基-2-戊酮	对二甲苯	
			EPA CLP SOW OLM04 挥发性混标2	47513-U	14种组分溶于甲醇, 各组分浓度均为2000µg/mL	
1, 2-二溴-3-氯丙烷	二氯二氟甲烷	甲基叔丁基醚				
1, 2-二溴乙烷	氟利昂113	1, 2, 4-三氯苯				
1, 2-二氯苯	异丙苯	三氯氟甲烷				
1, 3-二氯苯	乙酸甲酯					
EPA CLP半挥发性校准混标	506508	CRM, 64种组分溶于二氯甲烷: 苯(3:1), 各组分浓度均为1000µg/mL	萘	对甲酚	茚并(1, 2, 3-cd)芘	1mL
			萘烯	二苯并[a, h]蒽	异佛尔酮	
			蒽	二苯并呋喃	2-甲基-4, 6-二硝基苯酚	
			偶氮苯	邻苯二甲酸二丁酯	2-甲基萘	
			苯并[a]蒽	1, 2-二氯苯	邻甲酚	
			苯并[b]荧蒽	1, 3-二氯苯	萘	
			苯并[k]荧蒽	1, 4-二氯苯	2-硝基苯胺	
			苯并[ghi]花	2, 4-二氯苯酚	3-硝基苯胺	
			苯并[a]芘	邻苯二甲酸二乙酯	4-硝基苯胺	
			邻苯二甲酸苄基丁基酯	2, 4-二甲基苯酚	硝基苯	
			双(2-氯乙氧基)甲烷	邻苯二甲酸二甲酯	2-硝基苯酚	
			双(2-氯乙基)醚	2, 4-二硝基苯酚	4-硝基苯酚	
			邻苯二甲酸二(2-乙基己基)酯	2, 4-二硝基甲苯	N-亚硝基二甲胺	
			4-溴联苯醚	2, 6-二硝基甲苯	N-亚硝基二丙胺	
			卞唑	邻苯二甲酸二辛酯	五氯苯酚	
			4-氯苯胺	荧蒽	菲	
			4-氯二苯醚	苄	苯酚	
			双(2-氯异丙基)醚	六氯苯	芘	
			4-氯-3-甲基苯酚	六氯-1, 3-丁二烯	1, 2, 4-三氯苯	
			2-氯萘	六氯环戊二烯	2, 4, 5-三氯苯酚	
			2-氯苯酚	六氯乙烷	2, 4, 6-三氯苯酚	
			蒎			

中文名称	订货号	规格	组分			包装
EPA CLP SOW OLM4 半挥发性混标	47514-U	CRM, 5种组分溶于 二氯甲烷, 各组分浓 度均为2000µg/mL	苯乙酮	联苯		1mL
			莠去津	己内酰胺		
			苯甲醛			
EPA 8270 半挥发性内标混标	CRM46955	CRM, 6种组分溶于 二氯甲烷, 各组分浓 度均为2000µg/mL	萘-d10	萘-d12		1mL
			萘-d8	1, 4-二氯苯-d4		
			屈-d12	菲-d10		
EPA 8010 卤化挥发 性有机物混标2	48395	13种组分溶于甲醇, 各组分浓度均为 2000µg/mL	溴苯	1, 3-二氯苯	反-1, 2-二氯乙烯	1mL
			溴二氯甲烷	1, 4-二氯苯	顺-1, 3-二氯乙烯	
			氯苯	1, 1-二氯乙烯	反-1, 3-二氯乙烯	
			二溴氯甲烷	顺-1, 2-二氯乙烯	二氯甲烷	
			1, 2-二氯苯			
EPA VOC 混标 5	CRM48797	CRM, 6种组分溶于 甲醇, 各组分浓度均 为2000µg/mL	溴二氯甲烷	1, 1-二氯乙烯	反-1, 2-二氯乙烯	1mL
			二溴氯甲烷	顺-1, 2-二氯乙烯	二氯甲烷	
EPA VOC 混标 6	48799-U	6种组分溶于甲醇, 各组分浓度均为 2000µg/mL	溴甲烷	氯甲烷	氟三氯甲烷	1mL
			氯乙烷	二氯二氟甲烷	氯乙烯	
EPA 8011 EDB/DBCP 混标	48225-U	CRM, 2种组分溶于 甲醇, 各组分浓度均 为2000µg/L	1, 2-二溴-3-氯丙烷	1, 2-二溴乙烷		1mL
EPA 8020B 挥发性 芳香有机物混标1	48226-U	CRM, 9种组分溶于 甲醇, 各组分浓度均 为2000µg/mL	苯	1, 3-二氯苯	甲苯	1mL
			氯苯	1, 4-二氯苯	间二甲苯	
			1, 2-二氯苯	乙苯	邻二甲苯	
EPA 8020/8240 挥发性芳烃混标	47504	CRM, 11种组分溶于 甲醇, 各组分浓度均 为100µg/mL	苯	1, 4-二氯苯	间二甲苯	1mL
			氯苯	乙苯	邻二甲苯	
			1, 2-二氯苯	苯乙烯	对二甲苯	
			1, 3-二氯苯	甲苯		
EPA 8240B 校准混标1	47363	16种组分溶于甲醇, 各组分浓度均为 2000µg/mL	溴氯甲烷	反-1, 4-二氯-2-丁烯	2, 2-二氯丙烷	1mL
			溴二氯甲烷	1, 1-二氯乙烯	顺-1, 3-二氯乙烯	
			二溴氯甲烷	顺-1, 2-二氯乙烯	反-1, 3-二氯乙烯	
			1, 2-二溴-3-氯丙烷	反-1, 2-二氯乙烯	1, 1-二氯丙烷	
			1, 2-二溴乙烷	1, 3-二氯丙烷	二氯甲烷	
			顺-1, 4-二氯-2-丁烯			
EPA 8240B 校准混标2	47364	CRM, 7种组分溶于 甲醇/水(80/20), 各 组分浓度均为2000µg/mL	丙酮	2-丁酮	异丁醇	1mL
			乙腈	2-己酮	4-甲基-2-戊酮	
			丙烯腈			
EPA 8240B 校准混标3	47365	16种组分溶于甲醇, 各组分浓度均为 2000µg/mL	氯丙烯	乙苯	苯乙烯	1mL
			苯	异丁烯酸乙酯	甲苯	
			氯苯	异丁烯酸甲酯	1, 2, 3-三氯苯	
			1, 2-二氯苯	异丁烯腈	间二甲苯	
			1, 3-二氯苯	丙腈	邻二甲苯	
			1, 4-二氯苯			
EPA 8240B 校准混标4	47366	14种组分溶于甲醇, 各组分浓度均 为2000µg/mL	溴仿	1, 2-二氯乙烷	1, 1, 1-三氯乙烷	1mL
			四氯化碳	1, 2-二氯丙烷	1, 1, 2-三氯乙烷	
			氯仿	1, 1, 1, 2-四氯乙烷	三氯乙烯	
			二溴甲烷	1, 1, 2, 2-四氯乙烷	1, 2, 3-三氯丙烷	
			1, 1-二氯乙烷	四氯乙烯		
EPA 8240B 校准混标6	48256	7种组分溶于甲醇, 各组分浓度均为 2000µg/mL	顺-1, 4-二氯-2-丁烯	反-1, 3-二氯丙烯	碘甲烷	1mL
			反-1, 4-二氯-2-丁烯	1, 4-二恶烷	五氯乙烷	
			顺-1, 3-二氯丙烯			
EPA 8240B 校准混标7	48257	8种组分溶于甲醇, 各组分浓度均为 2000µg/mL	氯丙烯	异丁烯酸甲酯	吡啶	1mL
			异丁烯酸乙酯	2-甲基吡啶	苯乙烯	
			异丁烯腈	丙腈		
EPA 8240B/8260A 基质加标混标	47075-U	CRM, 5种组分溶于甲醇, 各组分浓度均为25µg/mL	苯	1, 1-二氯乙烯	三氯乙烯	1mL
			氯苯	甲苯		
EPA 8240B/8260A 基质加标混标	47411-U	CRM, 5种组分溶于甲醇, 各组分浓度均为2500µg/mL	苯	1, 1-二氯乙烯	三氯乙烯	1mL
			氯苯	甲苯		
EPA 8240B/8260A 系统性能检查混标	47389	5种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴仿	氯甲烷	1, 1, 2, 2-四氯乙烷	1mL
			氯苯	1, 1-二氯乙烷		
EPA 8270/附录9 半挥发性校正混标	506567	39种组分溶于二氯甲烷, 各组分浓度均为1000µg/mL	苯胺	异黄樟脑	亚硝基吗啉	1mL
			苯乙酮	盐酸美沙吡啶	亚硝基吡啶	
			N-(2-苄基)乙酰胺	3-甲基胆蒽	亚硝基吡咯烷	
			4-氨基联苯	甲基磺酸甲酯	2-甲基-5-硝基苯胺	
			苯甲醇	1-萘胺	五氯苯	

中文名称	订货号	规格	组分			包装
EPA 8270/625/CLP/ 附录9 半挥发性校 正混标	502049	44种组分溶于二氯甲烷/ 苯(75/25),各组分浓度 均为1000µg/mL	2-叔丁基-4, 6-二硝基酚 (2-仲丁基-4, 6-二硝基酚)	2-萘胺	五氯硝基苯	1mL
			2, 6-二氯苯酚	4-硝基喹啉-N-氧化物	五氯乙烷	
			对二甲氨基偶氮苯	N-亚硝基二正丁胺	非那西汀	
			7, 12-二甲苯并(a)蒽	N-亚硝基二乙胺	2甲基吡啶	
			1, 3-二硝基苯	N-亚硝基甲基乙基胺	黄樟脑	
			二苯胺	间甲酚	1, 2, 4, 5-四氯苯	
			甲基磺酸乙酯	三氟乙酸吡啶	2, 3, 4, 6-四氯苯酚	
			六氯丙烯	1, 3, 5-三硝基苯	邻甲苯胺	
			萘	吡啶	苄	
			萘烯	2-氯萘	六氯苯	
			蒽	4-氯二苯醚	六氯-1, 3-丁二烯	
			偶氮苯	蒽	六氯环戊二烯	
			苯并(a)蒽	二苯并(a, h)蒽	六氯乙烷	
			苯并(b)荧蒽	1, 2-二氯苯	茚并(1, 2, 3-cd)芘	
			苯并(k)荧蒽	1, 3-二氯苯	异佛尔酮	
			苯并(ghi)花	1, 4-二氯苯	萘	
			苯并(a)芘	邻苯二甲酸二乙酯	硝基苯	
			双(2-氯乙氧基)甲烷	邻苯二甲酸二甲酯	N-亚硝基二甲胺	
			双(2-氯乙基)醚	2, 4-二硝基甲苯	N-亚硝基二正丙胺	
			邻苯二甲酸二正丁酯	2, 6-二硝基甲苯	菲	
EPA 8270 附录9 附加混标2	861141	12种组分溶于二氯甲烷: 苯(4:1), 各组分浓度均 为2000µg/mL	邻苯二甲酸二(2-乙基己)酯	双(2-氯异丙基)醚	芘	1mL
			邻苯二甲酸二正辛酯	4-溴联苯醚	1, 2, 4-三氯苯	
			邻苯二甲酸丁苄酯	荧蒽		
			十氯酮	1, 4-二氧六环		
			乙酯杀螨醇	异艾氏剂		
			燕麦敌	1-甲基萘		
			二苯并[a, j]吡啶	1, 4-萘醌		
EPA 502/524 挥发性 有机物校准混标 (无气体)	502111	54种组分溶于甲醇, 各组分 各组分浓度均 为2000µg/mL	α, α-二甲基-β-苯乙胺	戊炔草胺		1mL
			1, 4-二硝基苯	2, 3, 5, 6-四氯苯酚		
			苯	1, 3-二氯苯	萘	
			溴苯	1, 4-二氯苯	正丙苯	
			溴氯甲烷	1, 1-二氯乙烷	1, 1, 1, 2-四氯乙烷	
			溴二氯甲烷	1, 2-二氯乙烷	苯乙烯	
			溴仿	1, 1-二氯乙烯	1, 1, 2, 2-四氯乙烷	
			正丁苯	顺-1, 2-二氯乙烯	四氯乙烯	
			仲丁苯	反-1, 2-二氯乙烯	甲苯	
			叔丁苯	1, 2-二氯丙烷	1, 2, 3-三氯苯	
			四氯化碳	1, 3-二氯丙烷	1, 2, 4-三氯苯	
			氯苯	2, 2-二氯丙烷	1, 1, 1-三氯乙烷	
			氯仿	1, 1-二氯-1-丙烯	1, 1, 2-三氯乙烷	
			2-氯甲苯	顺-1, 3-二氯丙烯	三氯乙烯	
			4-氯甲苯	反-1, 3-二氯丙烯	1, 2, 3-三氯丙烷	
			二溴氯甲烷	乙苯	1, 2, 4-三甲苯	
			1, 2-二溴-3-氯丙烷	六氯丁二烯	1, 3, 5-三甲苯	
			1, 2-二溴乙烷	异丙苯	间二甲苯	
			二溴甲烷	对异丙基甲苯	邻二甲苯	
EPA VOC混标1	48775	12种组分溶于甲醇, 各组分浓度均 为2000µg/mL	1, 2-二氯苯	二氯甲烷	对二甲苯	1mL
			仲丁苯	4-氯甲苯	异丙苯	
			叔丁苯	1, 2-二氯苯	正丙苯	
			氯苯	1, 3-二氯苯	邻二甲苯	
EPA VOC混标2	48777	13种组分溶于甲醇, 各组分浓度均 为2000µg/mL	2-氯甲苯	1, 4-二氯苯	对二甲苯	1mL
			苯	萘	1, 2, 4-三氯苯	
			溴苯	苯乙烯	1, 2, 4-三甲苯	
			正丁苯	甲苯	1, 3, 5-三甲苯	
			乙苯	1, 2, 3-三氯苯	间二甲苯	
EPA VOC混标3	48779	14种组分溶于甲醇, 各组分 浓度均为2000µg/mL	对异丙基甲苯			1mL
			1, 2-二溴-3-氯丙烷	1, 1-二氯-1-丙烯	1, 1, 2, 2-四氯乙烷	
			1, 2-二溴乙烷	顺-1, 3-二氯丙烯	1, 1, 2-三氯乙烷	
			1, 2-二氯乙烷	反-1, 3-二氯丙烯	三氯乙烯	
			1, 2-二氯丙烷	六氯丁二烯	1, 2, 3-三氯丙烷	
EPA VOC混标4	48786	9种组分溶于甲醇, 各组分 浓度均为2000µg/mL	1, 3-二氯丙烷	1, 1, 1, 2-四氯乙烷		1mL
			溴氯甲烷	氯仿	2, 2-二氯丙烷	
			溴仿	二溴甲烷	四氯乙烯	
			四氯化碳	1, 1-二氯乙烷	1, 1, 1-三氯乙烷	

中文名称	订货号	规格	组分			包装
EPA VOC混标5	48797	6种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴二氯甲烷 二溴氯甲烷	1, 1-二氯乙烯 顺-1, 2-二氯乙烯	反-1, 2-二氯乙烯 二氯甲烷	1mL
EPA VOC混标6	48799-U	6种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴甲烷 氯乙烷	氯甲烷 二氯二氟甲烷	三氯氟甲烷 氯乙烯	1mL
EPA VOC混标7	48802-U	CRM, 12种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯 溴二氯甲烷 溴仿 四氯化碳	氯仿 二溴氯甲烷 1, 4-二氯苯 1, 2-二氯乙烷	1, 1-二氯乙烯 1, 1, 1-三氯乙烷 三氯乙烯 氯乙烯	1mL
EPA VOC混标8	48803	CRM, 11种组分溶于甲醇, 各组分浓度均为2000µg/mL	氯苯 1, 2-二氯苯 顺-1, 2-二氯乙烯 反-1, 2-二氯乙烯	1, 2-二氯丙烷 乙苯 苯乙烯 四氯乙烯	甲苯 邻二甲苯 对二甲苯	1mL
EPA Phase V 挥发性 有机物混标 9	47399	3种组分溶于甲醇, 各组分浓度均为2000µg/mL	二氯甲烷	1, 2, 4-三氯苯	1, 1, 2-三氯乙烷	1mL
EPA 503.1 VOC混标1	48775	12种组分溶于甲醇, 各组分浓度均为2000µg/mL	仲丁苯 叔丁苯 氯苯 2-氯甲苯	4-氯甲苯 1, 2-二氯苯 1, 3-二氯苯 1, 4-二氯苯	异丙苯 正丙苯 邻二甲苯 对二甲苯	1mL
EPA 503.1 VOC混标2	48777	13种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯 溴苯 正丁苯 乙苯 对异丙基甲苯	萘 苯乙烯 甲苯 1, 2, 3-三氯苯	1, 2, 4-三氯苯 1, 2, 4-三甲苯 1, 3, 5-三甲苯 间二甲苯	1mL
EPA 503.1挥发性混标	48237	3种组分溶于甲醇, 各组分浓度均为2000µg/mL	六氯丁二烯	四氯乙烯	三氯乙烯	1mL
EPA 504.1 校准混标	49119-U	CRM, 3种组分溶于甲醇, 各组分浓度均为2000µg/mL	1, 2-二溴-3-氯丙烷	1, 2, 3-三氯丙烷	1, 2-二溴乙烷	1mL
EPA 8011 EDB/DBCP 混标	48225-U	CRM, 2种组分溶于甲醇, 各组分浓度均为2000µg/mL	1, 2-二溴乙烷	1, 2-二溴-3-氯丙烷		1mL
EPA 502/524.2 VOC 混标	47932	60种组分溶于甲醇, 各组分浓度均为200µg/mL	苯 溴苯 溴氯甲烷 溴二氯甲烷 溴仿 溴甲烷 正丁苯 仲丁苯 叔丁苯 四氯化碳 氯苯 氯乙烷 氯仿 氯甲烷 2-氯甲苯 4-氯甲苯 二溴氯甲烷 1, 2-二溴-3-氯丙烷 1, 2-二溴乙烷 二溴甲烷	1, 2-二氯苯 1, 3-二氯苯 1, 4-二氯苯 二氯二氟甲烷 1, 1-二氯乙烷 1, 2-二氯乙烷 1, 1-二氯乙烯 顺-1, 2-二氯乙烯 反-1, 2-二氯乙烯 1, 2-二氯丙烷 1, 3-二氯丙烷 2, 2-二氯丙烷 1, 1-二氯-1-丙烯 顺-1, 3-二氯丙烯 反-1, 3-二氯丙烯 乙苯 六氯丁二烯 异丙苯 对异丙基甲苯 二氯甲烷	萘 正丙苯 1, 1, 1, 2-四氯乙烯 苯乙烯 1, 1, 2, 2-四氯乙烯 四氯乙烯 甲苯 1, 2, 3-三氯苯 1, 2, 4-三氯苯 1, 3, 5-三甲苯 三氯乙烯 三氯氟甲烷 1, 2, 3-三氯丙烷 1, 2, 4-三甲苯 1, 3, 5-三甲苯 氯乙烯 间二甲苯 邻二甲苯 对二甲苯	1mL
EPA 524.2 Rev 4 酮类更新混标	47573-U	CRM, 5种组分溶于甲醇/ 水(9:1)	丙酮 2-丁酮	1, 1-二氯-2-丙酮 2-己酮	4-甲基-2-戊酮	1mL
EPA 524 Rev 4 更新混标	506524	18种组分溶于甲醇, 各组分浓度均为200µg/mL	丙烯腈 氯丙烷 1-氯丁烷 二硫化碳 氯乙腈 反-1, 4-二氯-2-丁烯	二乙醚 异丁烯酸乙酯 六氯乙烷 异丁烯腈 丙烯酸甲酯 异丁烯酸甲酯	甲基叔丁基醚 硝基苯 2-硝基丙烷 五氯乙烷 丙腈 四氢呋喃	1mL
EPA 502/524挥发性 有机校正混标A (不含气体)	502111	54种组分溶于甲醇, 各组分各组分浓度均为 2000µg/mL	苯 溴苯 溴氯甲烷 溴二氯甲烷 溴仿 丁苯 仲丁苯 叔丁苯 四氯化碳 氯苯	1, 3-二氯苯 1, 4-二氯苯 1, 1-二氯乙烷 1, 2-二氯乙烷 1, 1-二氯乙烯 顺-1, 2-二氯乙烯 反-1, 2-二氯乙烯 1, 2-二氯丙烷 1, 3-二氯丙烷 2, 2-二氯丙烷	萘 正丙苯 1, 1, 1, 2-四氯乙烯 氯乙烯 1, 1, 2, 2-四氯乙烯 四氯乙烯 甲苯 1, 2, 3-三氯苯 1, 2, 4-三氯苯 1, 1, 1-三氯乙烷	1mL

中文名称	订货号	规格	组分						包装		
			溴仿		1, 1-二氯丙烷		1, 1, 2-三氯乙烷		1mL		
			2-氯甲苯		顺-1, 3-二氯丙烯		三氯乙烯				
			4-氯甲苯		反-1, 3-二氯丙烯		1, 2, 3-三氯丙烷				
			二溴氯甲烷		乙苯		1, 2, 4-三甲苯				
			1, 2-二溴-3-氯丙烷		六氯-1, 3-丁二烯		1, 3, 5-三甲苯				
			1, 2-二溴乙烷		异丙苯		间二甲苯				
			二溴甲烷		对异丙基甲苯		邻二甲苯				
			1, 2-二氯苯		二氯甲烷		对二甲苯				
			EPA 524挥发性有机化合物混标B	47934	6种组分溶于甲醇, 各组分浓度均为200µg/mL	溴甲烷		氯甲烷		三氯氟甲烷	
524.2 附加标样	861314	17种组分溶于甲醇	氯乙烷		二氯二氟甲烷		氯乙烯				
			丙烯腈	20000µg/mL	氯丙烯	2000µg/mL	二硫化碳	2000µg/mL			
			氯乙腈	20000µg/mL	1-氯丁烷	2000µg/mL	反-1, 4-二氯-2-丁烯	2000µg/mL			
			二乙醚		2000µg/mL	甲基丙烯酸乙酯		2000µg/mL	六氯乙烷	2000µg/mL	
			甲基丙烯腈	2000µg/mL	丙烯酸甲酯	2000µg/mL	甲基丙烯酸甲酯	2000µg/mL			
			硝基苯	20000µg/mL	2-硝基丙烷	20000µg/mL	五氯乙烷	2000µg/mL			
			丙腈	20000µg/mL	四氢呋喃	2000µg/mL					
选择性芳香挥发物混标	47273	CRM, 12种组分溶于甲醇, 各组分浓度均为50µg/mL	正丁苯		异丙苯		1, 2, 3-三氯苯		1mL		
			仲丁苯		对异丙基甲苯		1, 2, 4-三氯苯				
			叔丁苯		萘		1, 2, 4-三甲苯				
			六氯-1, 3-丁二烯		正丙苯		1, 3, 5-三甲苯				
挥发性有机污染物混标1	47274	CRM, 9种组分溶于甲醇, 各组分浓度均为50µg/mL	溴苯		1, 2-二溴乙烷		1, 1-二氯-1-丙烯		1mL		
			4-氯甲苯		二溴乙烷		苯乙烯				
			1, 2-二溴-3-氯丙烷		2, 2-二氯丙烷		对二甲苯				
挥发性有机污染物混标2	47275	CRM, 7种组分溶于甲醇, 各组分浓度均为50µg/mL	溴氯甲烷		1, 3-二氯丙烷		1, 2, 3-三氯丙烷		1mL		
			2-氯甲苯		1, 1, 1, 2-四氯乙烷		邻二甲苯				
			顺-1, 2-二氯乙烯								
EPA 524 内标混标	48948	CRM, 2种组分溶于甲醇, 各组分浓度均为2000µg/mL	1, 2-二氯苯-d4		氟苯				1mL		
EPA 524 替代品混标	48466	CRM, 2种组分溶于甲醇, 各组分浓度均为2000µg/mL	1-溴-4-氟苯		1, 2-二氯苯-d4				1mL		
EPA 524.2 强化溶液	47358-U	CRM, 3种组分溶于甲醇, 各组分浓度均为2000µg/mL	4-溴氟苯		1, 2-二氯苯-d4		氟苯		1mL		
EPA 525 半挥发性校正混标(不含杀虫剂)	506540	25种组分溶于丙酮, 各组分浓度均为1000µg/mL (注明的除外)	萘烯		邻苯二甲酸二(2-乙基己基)酯		芴		1mL		
			蒽		屈		六氯苯				
			苯并[a]蒽		二苯并[a, h]蒽		六氯环戊二烯				
			苯并[b]荧蒽		邻苯二甲酸二丁酯		茚并(1, 2, 3-cd)芘				
			苯并[k]荧蒽		邻苯二甲酸二乙酯		异佛尔酮				
			苯并[ghi]花		邻苯二甲酸二甲酯		五氯苯酚			4000µg/mL	
			苯并[a]芘		2, 4-二硝基甲苯		菲				
			邻苯二甲酸丁基苄酯		2, 6-二硝基甲苯		芘				
			己二酸二(2-乙基己基)酯								
EPA 551A 含卤挥发性混标	48045	CRM, 10种组分溶于丙酮, 各组分浓度均为2000µg/mL	溴二氯甲烷		二溴氯甲烷		四氯乙烯		1mL		
			溴仿		1, 2-二溴-3-氯丙烷		1, 1, 1-三氯乙烷				
			四氯化碳		1, 2-二溴乙烷		三氯乙烯				
EPA 551B 含卤挥发性混标	48046	7种组分溶于丙酮, 各组分浓度均为2000µg/mL	氯仿						1mL		
			溴氯乙腈		二氯乙腈		三氯乙腈				
			三氯硝基甲烷		1, 1-二氯-2-丙酮		1, 1, 1-三氯丙酮				
EPA 601可吹扫混标(不含气体, 含2-CEVE)	47431-U	CRM, 23种组分溶于甲醇, 各组分浓度均为2000µg/mL	二溴乙腈						1mL		
			溴二氯甲烷		1, 3-二氯苯		反-1, 3-二氯丙烯				
			溴仿		1, 4-二氯苯		二氯甲烷				
			四氯化碳		1, 1-二氯乙烷		1, 1, 2, 2-四氯乙烷				
			氯仿		1, 2-二氯乙烷		四氯乙烯				
			氯苯		反-1, 2-二氯乙烯		1, 1, 1-三氯乙烷				
			2-氯乙基乙烯基醚		1, 1-二氯乙烯		1, 1, 2-三氯乙烷				
			氯二溴甲烷		1, 2-二氯丙烷		三氯乙烯				
			1, 2-二氯苯		顺-1, 3-二氯丙烯						
EPA 601/602校正混标(含2-CEVE)	47507-U	26种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯		1, 3-二氯苯		乙苯		1mL		
			溴二氯甲烷		1, 4-二氯苯		二氯甲烷				
			溴仿		1, 1-二氯乙烷		1, 1, 2, 2-四氯乙烷				
			四氯化碳		1, 2-二氯乙烷		四氯乙烯				
			氯仿		反-1, 2-二氯乙烯		甲苯				
			氯苯		1, 1-二氯乙烯		1, 1, 1-三氯乙烷				
			2-氯乙基乙烯基醚		1, 2-二氯丙烷		1, 1, 2-三氯乙烷				
			二溴氯甲烷		顺-1, 3-二氯丙烯		三氯乙烯				
			1, 2-二氯苯		反-1, 3-二氯丙烯						

中文名称	订货号	规格	组分			包装
EPA 601可吹扫 卤代烃混标	46964	CRM, 22种组分 溶于甲醇, 各组分 浓度均为2000µg/mL	溴二氯甲烷	1, 4-二氯苯	反-1, 3-二氯丙烯	1mL
			溴仿	1, 1-二氯乙烷	二氯甲烷	
			四氯化碳	1, 2-二氯乙烷	1, 1, 2, 2-四氯乙烷	
			氯仿	反-1, 2-二氯乙烯	四氯乙烯	
			氯苯	1, 1-二氯乙烯	1, 1, 1-三氯乙烷	
			氯二溴甲烷	1, 2-二氯丙烷	1, 1, 2-三氯乙烷	
			1, 2-二氯苯	顺-1, 3-二氯丙烯	三氯乙烯	
			1, 3-二氯苯			
EPA 602 吹扫 芳烃混标	46965	CRM, 7种组分溶于甲醇, 各组分浓度均为2000 ug/mL	苯	1, 3-二氯苯	乙苯	1mL
EPA 601 吹扫 效能混标	48747	18种组分溶于甲醇	氯苯	1, 4-二氯苯	甲苯	1mL
			四氯化碳 120µg/mL	1, 2-二氯丙烷	120µg/mL	
			氯苯 600µg/mL	顺-1, 3-二氯丙烯	120µg/mL	
			1, 2-二氯苯 600µg/mL	反-1, 3-二氯丙烯	120µg/mL	
			1, 3-二氯苯 600µg/mL	二氯甲烷	600µg/mL	
			1, 4-二氯苯 600µg/mL	1, 1, 2, 2-四氯乙烷	120µg/mL	
			1, 1-二氯乙烷 120µg/mL	四氯乙烯	120µg/mL	
			1, 2-二氯乙烷 120µg/mL	1, 1, 1-三氯乙烷	120µg/mL	
			1, 1-二氯乙烯 120µg/mL	1, 1, 2-三氯乙烷	120µg/mL	
EPA 可吹扫 内标混标	48864	3种组分溶于甲醇, 各组分浓度均 为20000µg/mL	反-1, 2-二氯乙烯 120µg/mL	三氯乙烯	120µg/mL	1mL
			溴氯甲烷	1-氯-2-溴丙烷	1, 4-二氯丁烷	
EPA 602 吹扫 芳烃混标	46965	CRM, 7种组分溶于 甲醇 各组分浓度均 为2000µg/mL	苯	1, 3-二氯苯	乙苯	1mL
			氯苯	1, 4-二氯苯	甲苯	
			1, 2-二氯苯			
EPA 624校正混标	47506	30种组分溶于甲醇, 各组分浓度均 为100µg/mL	苯	1, 2-二氯苯	乙苯	1mL
			溴二氯甲烷	1, 3-二氯苯	二氯甲烷	
			溴仿	1, 4-二氯苯	1, 1, 2, 2-四氯乙烷	
			溴甲烷	1, 1-二氯乙烷	四氯乙烯	
			四氯化碳	1, 2-二氯乙烷	甲苯	
			氯苯	1, 1-二氯乙烯	1, 1, 1-三氯乙烷	
			氯乙烷	反-1, 2-二氯乙烯	1, 1, 2-三氯乙烷	
			氯仿	1, 2-二氯丙烷	三氯乙烯	
			氯甲烷	顺-1, 3-二氯丙烯	三氯氟甲烷	
			氯二溴甲烷	反-1, 3-二氯丙烯	氯乙烯	
			苯	1, 4-二氯苯	正丙基苯	
			溴苯	1, 1-二氯乙烷	苯乙炔	
EPA 624 校正混标1	861311	53种组分溶于甲醇, 各组分浓度均 为2000µg/mL	溴二氯甲烷	1, 2-二氯乙烷	1, 1, 1, 2-四氯乙烷	1mL
			溴仿	1, 1-二氯乙烯	1, 1, 2, 2-四氯乙烷	
			正丁基苯	顺-1, 2-二氯乙烯	四氯乙烯	
			仲丁基苯	反-1, 2-二氯乙烯	甲苯	
			叔丁基苯	二氯甲烷	1, 2, 3-三氯苯	
			四氯化碳	1, 2-二氯丙烷	1, 2, 4-三氯苯	
			氯苯	1, 3-二氯丙烷	1, 1, 1-三氯乙烷	
			氯仿	2, 2-二氯丙烷	1, 1, 2-三氯乙烷	
			2-氯甲苯	1, 1-二氯-1-丙烯	三氯乙烯	
			4-氯甲苯	顺-1, 3-二氯丙烯	1, 2, 3-三氯丙烷	
			二溴氯甲烷	反-1, 3-二氯丙烯	1, 2, 4-三甲苯	
			1, 2-二溴-3-氯丙烷	乙苯	1, 3, 5-三甲苯	
			1, 2-二溴乙烷	六氯-1, 3-丁二烯	邻二甲苯	
			二溴甲烷	异丙苯	间二甲苯	
			1, 2-二氯苯	对异丙基甲苯	对二甲苯	
			1, 3-二氯苯	萘		
			苯	1, 3-二氯苯	乙苯	
			溴二氯甲烷	1, 4-二氯苯	二氯甲烷	
			溴仿	1, 1-二氯乙烷	1, 1, 2, 2-四氯乙烷	
			四氯化碳	1, 2-二氯乙烷	四氯乙烯	
			氯苯	1, 1-二氯乙烯	甲苯	
			2-氯乙基乙烯基醚	反-1, 2-二氯乙烯	1, 1, 1-三氯乙烷	
			氯仿	1, 2-二氯丙烷	1, 1, 2-三氯乙烷	
EPA 624 可吹扫 校正混标(不含 气体, 含2-CEVE)	47432-U	26种组分溶于甲醇, 各组分浓度均 为2000µg/mL	氯二溴甲烷	顺-1, 3-二氯丙烯	三氯乙烯	1mL
			1, 2-二氯苯	反-1, 3-二氯丙烯		
			四氯化碳	1, 2-二氯苯	四氯乙烯	
			氯苯	1, 1-二氯乙烷	1, 1, 2-三氯乙烷	
			2-氯乙基乙烯基醚	反-1, 2-二氯乙烯	1, 1, 1-三氯乙烷	
			氯仿	1, 2-二氯丙烷	1, 1, 2-三氯乙烷	
			氯二溴甲烷	顺-1, 3-二氯丙烯	三氯乙烯	
			1, 2-二氯苯	反-1, 3-二氯丙烯		
EPA 624 可吹扫 混标A	48059	14种组分溶于甲醇, 各组分浓度均为 2000µg/mL	四氯化碳	1, 2-二氯苯	四氯乙烯	1mL
			氯苯	1, 1-二氯乙烷	1, 1, 2-三氯乙烷	
			2-氯乙基乙烯基醚	1, 1-二氯乙烯	三氯乙烯	
			氯仿	1, 2-二氯丙烷	三氯氟甲烷	
			氯二溴甲烷	二氯甲烷		

中文名称	订货号	规格	组分			包装
EPA HC 可吹扫混标B	48058	13种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯	1, 2-二氯乙烷	乙苯	1mL
			溴二氯甲烷	反-1, 2-二氯乙烯	1, 1, 2, 2-四氯乙烷	
			溴仿	顺-1, 3-二氯丙烯	甲苯	
			1, 3-二氯苯	反-1, 3-二氯丙烯	1, 1, 1-三氯乙烷	
			1, 4-二氯苯			
EPA HC 可吹扫混标C	48057-U	4种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴甲烷	氯甲烷	氯乙烯	1mL
EPA 624校正混标A(不含气体)	46966	CRM, 25种组分溶于甲醇, 各组分浓度均为2000µg/mL	氯乙烷			1mL
			苯	1, 4-二氯苯	乙苯	
			溴二氯甲烷	1, 1-二氯乙烷	二氯甲烷	
			溴仿	1, 2-二氯乙烷	1, 1, 2, 2-四氯乙烷	
			四氯化碳	1, 1-二氯乙烯	四氯乙烯	
			氯苯	反-1, 2-二氯乙烯	甲苯	
			氯仿	1, 2-二氯丙烷	1, 1, 1-三氯乙烷	
			氯二溴甲烷	顺-1, 3-二氯丙烯	1, 1, 2-三氯乙烷	
			1, 2-二氯苯	反-1, 3-二氯丙烯	三氯乙烯	
			1, 3-二氯苯			
EPA 624校正混标B	46967-U	CRM, 5种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴甲烷	氯甲烷	氯乙烯	1mL
			氯乙烷	三氯氟甲烷		
EPA 可吹扫混标A	48851-U	13种组分溶于甲醇, 各组分浓度均为200µg/mL	四氯化碳	1, 1-二氯乙烷	四氯乙烯	1mL
			氯苯	1, 1-二氯乙烯	1, 1, 2-三氯乙烷	
			2-氯乙基乙烯基醚	1, 2-二氯丙烷	三氯乙烯	
			氯仿	二氯甲烷	三氯氟甲烷	
			氯二溴甲烷			
EPA 可吹扫混标B	48852-U	11种组分溶于甲醇, 各组分浓度均为200µg/mL	苯	反-1, 2-二氯乙烯	1, 1, 2, 2-四氯乙烷	1mL
			溴二氯甲烷	顺-1, 3-二氯丙烯	甲苯	
			溴仿	反-1, 3-二氯丙烯	1, 1, 1-三氯乙烷	
			1, 2-二氯乙烷	乙苯		
EPA 挥发性混标1 NC	47269	11种组分溶于甲醇, 各组分浓度均为50µg/mL	四氯化碳	1, 2-二氯乙烷	乙苯	1mL
			氯苯	1, 1-二氯乙烯	四氯乙烯	
			1, 3-二氯苯	反-1, 2-二氯乙烯	1, 1, 2-三氯乙烷	
			1, 4-二氯苯	1, 2-二氯丙烷		
EPA 挥发性混标2 NC	47270	12种组分溶于甲醇, 各组分浓度均为50µg/mL	苯	二溴氯甲烷	1, 1, 2, 2-四氯乙烷	1mL
			溴二氯甲烷	1, 2-二氯苯	甲苯	
			溴仿	1, 1-二氯乙烷	1, 1, 1-三氯乙烷	
			氯仿	二氯甲烷	三氯乙烯	
EPA 可吹扫式内标混标	48864	CRM, 3种组分溶于甲醇, 各组分浓度均为20000µg/mL	溴氯甲烷	1-氯-2-溴丙烷	1, 4-二氯丁烷	1mL
EPA 625 半挥发性有机物校正混标	506559	55种组分溶于二氯甲烷/苯(75/25), 各组分浓度均为1000µg/mL	萘	4-氯二苯基醚	六氯丁二烯	1mL
			萘烯	蒎	六氯环戊二烯	
			蒎	二苯并(a, h)蒎	六氯乙烷	
			偶氮苯	1, 2-二氯苯	茚并(1, 2, 3-cd)芘	
			苯并(a)蒎	1, 3-二氯苯	异佛尔酮	
			苯并(b)荧蒎	1, 4-二氯苯	2-甲基-4, 6-二硝基苯酚	
			苯并(k)荧蒎	2, 4-二氯苯酚	邻苯二甲酸二正丁酯	
			苯并(ghi)花	双(2-氯乙基)醚	邻苯二甲酸二乙酯	
			苯并(a)芘	2, 4-二甲基苯酚	邻苯二甲酸二甲酯	
			4-硝基苯酚	2-硝基苯酚	双(2-氯乙氧基)甲烷	
			硝基苯	2, 4-二硝基苯酚	N-亚硝基二甲胺	
			菲	2, 4-二硝基甲苯	N-亚硝基二正丙胺	
			五氯苯酚	2, 6-二硝基甲苯	邻苯二甲酸双(2-乙己醇)酯	
			4-溴二苯基醚	萘	双(2-氯异丙基)醚	
			苯酚	芘	邻苯二甲酸丁醇苄醇酯	
			咔唑	荧蒎	邻苯二甲酸二正辛酯	
			1, 2, 4-三氯苯	芴	4-氯-3-甲基苯酚	
			2-氯萘	六氯苯	2, 4, 6-三氯苯酚	
			2-氯苯酚			
EPA 625 Add-On 混标	46828-U	CRM, 17种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	苯乙酮	二十二烷	对甲苯酚	1mL
			苯胺	十二烷	十八烷	
			苯甲酸	二十烷	吡啶	
			咔唑	十六烷	松油醇	
			癸烷	邻甲苯酚	十四烷	
			2, 3-二氯苯胺	1-甲萘	2-甲基-4, 6-硝基苯酚	

挥发性有机物(VOC)测定的色谱分析耗材

订货号	中文名称	描述	包装
RAD1231	Radiello VOC/BTEX即用型被动扩散采样管	套装, 含采样器装置, 玻璃管, 接头等	5支/盒
20267-U	ORBO 32 A/B溶剂解析管(小)	椰子壳活性炭, 6X75mm(外径x长度)	50支/盒
21705-U	Carbotrap 300不锈钢热脱附管	预老化, 带TDS3存储器, 1/4英寸外径x3.5英寸长度	10支/盒
20013-U	Carbotrap 217不锈钢热脱附管	预老化, 带TDS3存储器, 1/4英寸外径x3.5英寸长度	10支/盒
24912-U	吹扫捕集管C	适用于Tekmar 3000及3100	1根
57318	SPME萃取头	75um Carboxen/PDMS, 24针规手动进样	3支/盒
24217-U	VOCOL 气相色谱柱	60m×0.32mm×1.8um	1EA
24255	SPB-624 气相色谱柱	30m×0.25mm×1.4um	1EA

半挥发性有机物(SVOC)测定的色谱分析耗材

订货号	中文名称	描述	包装
57306	SPME萃取头套装#1	85um PA, 100um PDMS, 7um PDMS各一支	3支/盒
57171	Envi-18 DSK SPE膜片	47mm直径	24片/盒
57063	Supelclean ENVI-18 SPE小柱	500mg/3mL	54支/盒
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA



有机氯&有机磷农药类标准品

有机氯&有机磷农药类单标

中文名称	英文名称	订货号	规格	包装
α-六六六	α-HCH	74142-50mg	CRM	50mg
六氯苯	Hexachlorobenzene	45522-250mg	analytical standard	250mg
β-六六六	β-HCH	36584-2mL	analytical standard, 100µg/mL溶于甲醇	2mL
γ-六六六	Lindane	45548-250mg	analytical standard	250mg
δ-六六六	δ-BHC	40103-U	CRM, 1000µg/mL溶于甲醇	1mL
七氯	Heptachlor	40098	CRM, 1000µg/mL溶于甲醇	1mL
		48964	analytical standard, 200µg/mL溶于异辛烷	10mL
艾氏剂	Aldrin	36666-25mg	analytical standard	25mL
		48962	analytical standard, 200µg/mL溶于异辛烷	10mL
三氯杀螨醇	Dicofol	36677-100mg-R	analytical standard	100mg
		74046-50mg	CRM	50mg
环氧七氯B	Heptachlor epoxide	34309-50mg	analytical standard	50mg
		40099	CRM, 1000µg/mL溶于甲醇	1mL
α-氯丹	α-Chlordane	442449	analytical standard	10mg
		48192	CRM, 100µg/mL溶于正己烷	1mL
α-硫丹	α-Endosulfan	45468-100mg	analytical standard	100mg
		74119-50mg	CRM	50mg
γ-氯丹	γ-Chlordane	36592-2mL	analytical standard, 10µg/mL溶于环己烷	2mL
狄氏剂	Dieldrin	N11688-250mg	analytical standard	250mg
		CRM48593	CRM, 1000µg/mL溶于甲醇	1mL
p, p'-DDE	4, 4'-DDE	35487-100mg	analytical standard	100mg
		40091	CRM, 5000µg/mL溶于甲醇	1mL
异狄氏剂	Endrin	32014-100mg	analytical standard	100mg
		40087	CRM, 5000µg/mL溶于甲醇	1mL
β-硫丹	β-Endosulfan	33385-100mg	analytical standard	100mg
		40828-50mg	CRM	50mg
p, p'-DDD	4, 4'-DDD	35486-250mg	analytical standard	250mg
		40092	CRM, 5000µg/mL溶于甲醇	1mL
硫丹磷酸酯	Endosulfan sulfate	36676-100mg-R	analytical standard	100mg
		48687	analytical standard, 20µg/mL溶于甲醇	1mL
异狄氏剂醛	Endrin aldehyde	442578	analytical standard	25mg
		40097	analytical standard, 1000µg/mL溶于甲醇	1mL
o, p'-DDT	2, 4'-DDT	49018	analytical standard	100mg
异狄氏剂酮	Endrin ketone	442579	analytical standard	25mg
		46390-2mL-R	analytical standard, 100 ng/µL溶于乙腈	2mL
p, p'-DDT	4, 4'-DDT	80076-100mg	CRM	100mg
		48980	analytical standard, 200µg/mL溶于异辛烷	10mL
甲氧滴滴涕	Methoxychlor	48982	analytical standard, 200µg/mL溶于异辛烷	10mg
灭蚁灵	Mirex	45887-10mL	analytical standard, 100µg/mL溶于乙腈	10mL
五氯硝基苯	Quintozene	45653-250mg	analytical standard	250mg
		40156	CRM, 5000µg/mL溶于甲醇	1mL
菲-d10	Phenanthrene-d10	48710-U	CRM, 2000µg/mL溶于二氯甲烷	1mL
		48094	CRM, 2000µg/mL溶于甲醇	1mL
		442753	analytical standard	100mg
屈-d12	Chrysene-d12	48416	CRM, 2000µg/mL溶于二氯甲烷	1mL
		442523	analytical standard	25mg
十氟三苯基磷 DFTPP	Decafluorotriphenylphosphine	48082	CRM, 2000µg/mL溶于二氯甲烷	1mL
		47941	CRM, 1000µg/mL溶于丙酮	1mL
		442543	analytical standard	100mg

有机氯&有机磷农药类混标

中文名称	订货号	规格	组分						包装	
EPA 508/附录9 16种有机氯混标	CRM46960	CRM, 各组分溶于(1:1) 正己烷/甲苯, 各组分 浓度均为2000µg/mL	艾氏剂		狄氏剂			1mL		
			α-六六六		α-硫丹					
			β-六六六		β-硫丹					
			γ-六六六		异狄氏剂					
			δ-六六六		狄氏剂					
			4, 4'-DDD		七氯					
			4, 4'-DDE		环氧七氯B					
			4, 4'-DDT		甲氧氯					
EPA CLP 有机氯混标	CRM47426	CRM, 各组分溶于(1:1) 正己烷/甲苯, 各组分 浓度均为2000µg/mL	α-六六六		4, 4'-DDE			1mL		
			β-六六六		狄氏剂					
			γ-六六六		异狄氏剂醛					
			δ-六六六		β-硫丹					
			七氯		4, 4'-DDD					
			艾氏剂		异狄氏剂醛					
			环氧七氯B		硫丹硫酸酯					
			γ-氯丹		4, 4'-DDT					
			γ-氯丹		异狄氏剂酮					
			α-硫丹		甲氧氯					
			艾氏剂		α-硫丹				1mL	
α-六六六		β-硫丹								
β-六六六		硫丹硫酸酯								
γ-六六六		异狄氏剂								
δ-六六六		异狄氏剂醛								
4, 4'-DDT		七氯								
狄氏剂		环氧七氯B								
EPA 8081 农药替代混标	CRM48460	CRM, 各组分溶于丙酮, 各组分浓度均为200µg/mL	2, 4, 5, 6-四氯-间二甲苯						1mL	
			十氯联苯							
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		1mL
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL					
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA OLM04 农药混标A-1	47977	11种组分溶于己烷: 甲苯(99:1)	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
EPA 8081 杀虫剂混标	47913	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度均 为250µg/mL(注明的除外)	艾氏剂		50µg/mL	4, 4'-DDE		225µg/mL	1mL	
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六(林丹)		25µg/mL	狄氏剂		120µg/mL		
			γ-六六六		25µg/mL	异狄氏剂		200µg/mL		
EPA 8081 农药混标	46845-U	22种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为200µg/mL	4, 4'-DDD		100µg/mL				1mL	
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
			β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
EPA 8081 13种有机氯 农药混标	47557-U	溶于异辛烷	环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD		200µg/mL		
			4, 4'-DDE		100µg/mL					
			艾氏剂		50µg/mL	2, 4'-DDT		225µg/mL		
			α-六六六		25µg/mL	4, 4'-DDT		260µg/mL		
EPA OLM04 农药标准混标B-1	47978	13种组分溶于己烷: 甲苯(99.5:0.5)	β-六六六		100µg/mL	异狄氏剂		200µg/mL		
			δ-六六六		25µg/mL	狄氏剂		120µg/mL		
			环氧七氯		80µg/mL	七氯		25µg/mL		
			4, 4'-DDD		190µg/mL	2, 4'-DDD</				

中文名称	订货号	规格	组分				包装
CLP 有机氯 农药混标	47426-U	20种组分溶于己烷/甲苯 (50/50), 各组分浓度均 为2000µg/mL	艾氏剂	4, 4'-DDD	异狄氏剂		1mL
			α-六六六	4, 4'-DDE	异狄氏剂醛		
			β-六六六	4, 4'-DDT	异狄氏剂酮		
			γ-六六六(林丹)	狄氏剂	七氯		
			δ-六六六	α-硫丹	环氧七氯B		
			α-氯丹	β-硫丹	甲氧滴滴涕		
			γ-氯丹	硫丹硫酸酯			
EPA 8080 加标混标	47614-U	6种组分溶于甲醇	艾氏剂	20µg/mL	狄氏剂	50µg/mL	1mL
			γ-六六六(林丹)	20µg/mL	异狄氏剂	50µg/mL	
			4, 4'-DDT	50µg/mL	七氯	20µg/mL	
酸性除草剂 混标	46861-U	12种组分溶于甲醇	毒莠定	100µg/mL	2甲4氯	10000µg/mL	1mL
			2, 4-滴	100µg/mL	2甲4氯丙酸	10000µg/mL	
			茅草枯	250µg/mL	五氯苯酚	50µg/mL	
			麦草畏	10µg/mL	2, 4-滴丁酸	100µg/mL	
			2, 4-滴丙酸	100µg/mL	2, 4, 5-涕	200µg/mL	
			地乐酚	50µg/mL	2, 4, 5-涕丙酸	200µg/mL	
EPA 8150除草剂 甲酯衍生物混标	47375	CRM, 10种组分溶于 己烷, 各组分浓度均 为200µg/mL(注明的除外)	2甲4氯		2, 4-滴丙酸		1mL
			2, 4-滴		地乐酚		
			2, 4-滴丁酸		2甲4氯丙酸	2000µg/mL	
			茅草枯		2, 4, 5-涕		
			麦草畏		2, 4, 5-涕丙酸		
除草剂甲酯混标	861264	8种组分溶于己烷	麦草畏甲酯	100µg/mL	2, 4-D-甲酯	100µg/mL	1mL
			2, 4-滴丙酸甲酯	100µg/mL	2, 2-二氯丙酸甲酯	100µg/mL	
			地乐酚甲酯	100µg/mL	2, 4, 5-涕甲酯	100µg/mL	
			2甲4氯甲酯	10000µg/mL	2, 4, 5-涕丙酸甲酯	100µg/mL	
EPA 8151酸性 除草剂混标	48996-U	18种组分溶于丙酮	三氯羧草醚	100µg/mL	2, 4-滴丙酸	100µg/mL	1mL
			苯达松	100µg/mL	地乐酚	100µg/mL	
			草灭平	100µg/mL	2甲4氯(MCPA)	10000µg/mL	
			2, 4-滴	100µg/mL	2甲4氯丙酸(MCPP)	10000µg/mL	
			2, 4-滴丁酸	100µg/mL	4-硝基苯酚	100µg/mL	
			茅草枯	100µg/mL	五氯苯酚	100µg/mL	
			敌草索二酸	100µg/mL	毒莠定	100µg/mL	
			麦草畏	100µg/mL	2, 4, 5-涕	100µg/mL	
			3, 5-二氯苯甲酸		2, 4, 5-涕丙酸		
				100µg/mL		100µg/mL	
			三氯羧草醚甲酯		2, 4-滴丙酸甲酯		
				100µg/mL		100µg/mL	
			苯达松甲基衍生物		地乐酚甲酯	100µg/mL	
EPA 8151 甲酯化 除草剂混标	48997-U	18种组分溶于丙酮		100µg/mL			1mL
			草灭平甲酯	100µg/mL	2甲4氯(MCPA)甲酯	10000µg/mL	
			2, 4-D-甲酯	100µg/mL	2甲4氯丙酸(MCPP)甲酯	10000µg/mL	
			2, 4-滴丁酸甲酯		对硝基苯甲醚		
				100µg/mL		100µg/mL	
			DCPA甲酯	100µg/mL	五氯苯甲醚	100µg/mL	
			茅草枯甲酯	100µg/mL	毒莠定甲酯	100µg/mL	
			麦草畏甲酯	100µg/mL	2, 4, 5-涕甲酯	100µg/mL	
			3, 5-二氯苯甲酸甲酯		2, 4, 5-涕丙酸甲酯		
				100µg/mL		100µg/mL	
			2, 4-滴甲酯		2, 4, 5-涕丙酸甲酯		
EPA 8270除草剂 酯类混标	48474	2种组分溶于己烷, 各组分浓度均为 2000µg/mL	2, 4-滴甲酯		2, 4, 5-涕丙酸甲酯		1mL

中文名称	订货号	规格	组分				包装
EPA 8270有机磷 农药混标	48469	CRM, 9种组分溶于己烷/ 丙酮(80/20), 各组分浓度 均为2000µg/mL	乐果	甲基对硫磷	治螟磷		1mL
			乙拌磷	对硫磷	硫磷嗪		
			氨磷磷	甲拌磷	三乙基硫代磷酸盐		
EPA 8270有机磷 农药混标2	47908	9种组分溶于二氯甲烷, 各 组分浓度均为2000µg/mL	硫磷嗪	氨磷磷	甲拌磷		1mL
			乐果	甲基对硫磷	治螟磷		
			乙拌磷	对硫磷	三乙基硫代磷酸盐		
TCL 杀虫剂混标 (SS)	48913	CRM, 15种组分溶于己烷/ 甲苯(50/50), 各组分浓度 均为2000µg/mL	艾氏剂	4, 4'-DDT	异狄氏剂		1mL
			α-六六六	狄氏剂	异狄氏剂醛		
			β-六六六	α-硫丹	异狄氏剂酮		
			γ-六六六	β-硫丹	七氯		
			δ-六六六	硫丹硫酸酯	甲氧滴滴涕		
EPA 505/525 农 药混标A	47725-U	5种组分溶于丙酮, 各组分 浓度均为500µg/mL	甲草胺	γ-六六六	西玛津		1mL
			艾氏剂	狄氏剂			
EPA 505/525 更 新农药混标A	47727-U	7种组分溶于丙酮, 各组分 浓度均为500µg/mL	甲草胺	狄氏剂	反-九氯		1mL
			艾氏剂	顺-九氯	西玛津		
			γ-六六六				
EPA 505/525 农 药混标B	47726-U	7种组分溶于丙酮, 各组分 浓度均为500µg/mL	莠去津	环氧七氯B	六氯环戊二烯		1mL
			异狄氏剂	六氯苯	甲氧滴滴涕		
			七氯				
EPA 505/525 更 新农药混标B	47728-U	CRM, 9种组分溶于丙酮, 各组分浓度均为500µg/mL	莠去津	异狄氏剂	六氯苯		1mL
			α-氯丹	七氯	六氯环戊二烯		
			γ-氯丹	环氧七氯B	甲氧滴滴涕		
			艾氏剂	4, 4'-DDT	异狄氏剂		
			α-六六六	狄氏剂	异狄氏剂醛		
EPA 附录 IX 有机 氯农药混标	46960-U	15种组分溶于甲苯/己烷 (1:1), 各组分浓度均为 2000µg/mL	β-六六六	α-硫丹	七氯		1mL
			γ-六六六	β-硫丹	环氧七氯		
			δ-六六六	硫丹硫酸酯	甲氧滴滴涕		
			α-氯丹	百菌清	顺-苧氯菊酯		
			β-氯丹	敌草索(DCPP)	反-苧氯菊酯		
EPA 508/508.1农 药混标	502197	CRM, 12种组分溶于甲基 叔丁基醚, 各组分浓度均 为1000µg/mL	乙酯杀螨醇	土菌灵	毒草安		1mL
			地茂散	六氯苯	氟乐灵		
			甲草胺	丁草胺	甲氧毒草胺		
EPA 508.1除草剂 混标	502154	CRM, 6种组分溶于丙酮, 各 组分浓度均为1000µg/mL	莠去津	六氯环戊二烯	西玛津		1mL
EPA 508.1仪器性 能检验混标	507989	4种组分溶于甲基叔丁基 醚	δ-六六六	40µg/mL	毒死蜱	2µg/mL	1mL
			百菌清	50µg/mL	敌草索	500µg/mL	
EPA 505/525 更 新杀虫剂混标A	47727-U	CRM, 7种组分溶于丙酮, 各组分浓度均为500µg/mL	甲草胺	狄氏剂	顺-九氯		1mL
			艾氏剂	西玛津	反-九氯		
			γ-六六六				
EPA 505/525 杀 虫剂混标B	47728-U	CRM, 9种组分溶于丙酮, 各组分浓度均为500µg/mL	莠去津	异狄氏剂	六氯苯		1mL
			α-氯丹	七氯	六氯环戊二烯		
			γ-氯丹	环氧七氯B	甲氧滴滴涕		
EPA 531.1 氨基 甲酸酯混标	46856-U	10种组分溶于甲醇, 浓度 为100µg/mL	涕灭威	3-羟基呋喃丹	草氨酰		1mL
			涕灭威砒	灭多虫	残杀威		
			涕灭威亚砒	灭虫威	甲萘威		
			呋喃丹				
EPA 608 农药混 标	47915-U	CRM, 17种组分溶于己烷/ 甲苯(50/50), 各组分浓度 均为20µg/mL(注明的除 外)	艾氏剂	4, 4'-DDE	硫酸硫丹		1mL
			α-六六六	4, 4'-DDT	异狄氏剂		
			β-六六六	狄氏剂	异狄氏剂醛		
			γ-六六六	α-硫丹	七氯		
			δ-六六六	β-硫丹	环氧七氯B		
			4, 4'-DDD		苯	200mg/L	
EPA 杀虫剂混标	48858-U	16种组分溶于甲醇/二氯 甲烷(98/2)	艾氏剂	10µg/mL	狄氏剂	20µg/mL	1mL
			α-六六六	10µg/mL	α-硫丹	20µg/mL	
			β-六六六	10µg/mL	β-硫丹	20µg/mL	
			γ-六六六	10µg/mL	硫酸硫丹	60µg/mL	
			δ-六六六	10µg/mL	异狄氏剂	20µg/mL	
			4, 4'-DDD	60µg/mL	异狄氏剂醛	60µg/mL	
			4, 4'-DDE	20µg/mL	七氯	10µg/mL	
			4, 4'-DDT	60µg/mL	外环氧七氯	10µg/mL	
EPA 608.1校正混 标	40351-U	6种组分溶于异辛烷, 各组 分浓度均为1000µg/mL	乙酯杀螨醇	地茂散	毒草胺		1mL
EPA 608.2 校正 混标	40352-U	5种组分溶于己烷, 各组分 浓度均为100µg/mL	1, 2-二溴-3-氯丙烷	土菌灵	五氯硝基苯		1mL
			百菌清	敌草索	氯硝胺		

有机氯和有机磷农药类测定的色谱分析耗材

订货号	中文名称	描述	包装
57063	Supelclean ENVI-18 SPE小柱	500mg/3mL	54支/盒
57058	Supelclean ENVI-Florisil SPE小柱	PTFE筛板, 500mg/3mL	54支/盒
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA
24103-U	SPB-608 气相色谱柱	30m×0.25mm×0.25um	1EA
28372-U	Equity-1701气相色谱柱	30m×0.25mm×0.25mm	1根

多溴联苯醚(PBDEs)相关标准品

中文名称	英文名称	订货号	规格	包装
PBDE 3	4-Bromodiphenyl ether	33661-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 15	4, 4'-Dibromodiphenyl ether	33662-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 28	2, 4, 4'-Tribromodiphenyl ether	33663-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 36	3, 3', 5-Tribromodiphenyl ether	33664-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 37	3', 4', 4-Tribromodiphenyl ether	34123-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 47	2, 2', 4, 4'-Tetrabromodiphenyl ether	33670-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 49	2, 2', 4, 5'-Tetrabromodiphenyl ether	33671-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 66	2, 3', 4, 4'-Tetrabromodiphenyl ether	34119-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 71	2, 3', 4', 6-Tetrabromodiphenyl ether	34118-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 75	2, 4, 4', 6-Tetrabromodiphenyl ether	34116-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 77	3, 3', 4', 4-Tetrabromodiphenyl ether	34115-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 85	2, 2', 3, 4', 4-Pentabromodiphenyl ether	34114-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 99	2, 2', 4, 4', 5-Pentabromodiphenyl ether	33676-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 100	2, 2', 4, 4', 6-Pentabromodiphenyl ether	33681-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 119	2, 3', 4, 4', 6-Pentabromodiphenyl ether	34121-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 126	3, 3', 4, 4', 5-Pentabromodiphenyl ether	33682-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 138	2, 2', 3, 4, 4', 5'-Hexabromodiphenyl ether	34122-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 153	2, 2', 3, 4, 4', 5'-Hexabromodiphenyl ether	33683-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 154	2, 2', 4, 4', 5, 6'-Hexabromodiphenyl ether	33684-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 181	2, 2', 3, 4, 4', 5, 6-Heptabromodiphenyl ether	33685-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 183	2, 2', 3, 4, 4', 5', 6-Heptabromodiphenyl ether	33686-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 203	2, 2', 3, 4, 4', 5, 5', 6-Octabromodiphenyl ether	33687-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 205	2, 3, 3', 4, 4', 5, 5', 6-Octabromodiphenyl ether	33688-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 206	2, 2', 3, 3', 4, 4', 5, 5', 6-Nonabromodiphenyl ether	33689-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL
PBDE 207	2, 2', 3, 3', 4, 4', 5, 5', 6-Nonabromodiphenyl ether	33617-1mL	analytical standard, 10µg/mL溶于异辛烷	1mL
PBDE 209	Decabromodiphenyl ether	34120-1mL	analytical standard, 50µg/mL溶于异辛烷	1mL

多溴联苯醚(PBDEs)分析的色谱分析耗材

订货号	中文名称	描述	包装
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA

多氯联苯(PCBs)标准品

多氯联苯(PCBs)单标

中文名称	英文名称	订货号	规格	包装
PCB No 32	PCB No 32	34158	analytical standard	10mg
PCB No 33	PCB No 33	34159	analytical standard	10mg
PCB No 44	PCB No 44	33702	analytical standard	10mg
PCB No 63	PCB No 63	34160	analytical standard	10mg
PCB No 70	PCB No 70	34199	analytical standard	10mg
PCB No 110	PCB No 110	34192	analytical standard	10mg
PCB No 151	PCB No 151	34156	analytical standard	10mg
PCB No 174	PCB No 174	34157	analytical standard	10mg
Aroclor 1016 溶液	Aroclor 1016 solution	48701	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1016 溶液	Aroclor 1016 solution	48097	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1016 溶液	Aroclor 1016 solution	458097	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1221 溶液	Aroclor 1221 solution	48705	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1221 溶液	Aroclor 1221 solution	48098	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1221 溶液	Aroclor 1221 solution	458098	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1232 溶液	Aroclor 1232 solution	48702	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1232 溶液	Aroclor 1232 solution	44805	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1232 溶液	Aroclor 1232 solution	454805	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1242 溶液	Aroclor 1242 solution	48706	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1242 溶液	Aroclor 1242 solution	44806	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1242 溶液	Aroclor 1242 solution	454806	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1248 溶液	Aroclor 1248 solution	44807	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1248 溶液	Aroclor 1248 solution	454807	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1248 溶液	Aroclor 1248 solution	48703	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1254 溶液	Aroclor 1254 solution	44808	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1254 溶液	Aroclor 1254 solution	454808	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1254 溶液	Aroclor 1254 solution	48707	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1260 溶液	Aroclor 1260 solution	44809	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1260 溶液	Aroclor 1260 solution	454809	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1260 溶液	Aroclor 1260 solution	48704	CRM, 浓度为200µg/mL溶于甲醇	1mL
Aroclor 1262 溶液	Aroclor 1262 solution	44810	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1262 溶液	Aroclor 1262 solution	454810	浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1268 溶液	Aroclor 1268 solution	502146	CRM, 浓度为1000µg/mL溶于异辛烷	1mL
Aroclor 1268 溶液	Aroclor 1268 solution	5502146	analytical standard, 浓度为1000µg/mL溶于异辛烷	1mL

多氯联苯(PCBs)混标和套装

中文名称	订货号	规格	组分			包装
多氯联苯 Aroclor 混标1	48861	4种组分溶于甲醇, 各组分 浓度均为200µg/mL	Aroclor 1016	Aroclor 1232		1mL
			Aroclor 1248	Aroclor 1260		
多氯联苯 Aroclor 混标2	48862	3种组分溶于甲醇, 各组分 浓度均为200µg/mL	Aroclor 1221	Aroclor 1242		1mL
			Aroclor 1254			
CEN 共平面 PCB混标-1	47927	12种组分溶于庚烷, 各组分 浓度均为10µg/mL	2, 2', 3, 4, 4', 5, 5' -七氯联苯	2, 2', 3, 4, 4', 5' -六氯联苯	2, 2', 3, 4', 5', 6 -六氯联苯	1mL
			2, 2', 4, 4', 5, 5' -六氯联苯	2, 2', 3, 3', 4, 4', 5, 5' -八氯联苯	2, 2', 4, 5, 5'- 五氯联苯	
			2, 3', 4, 4', 5 -五氯联苯	2, 2', 3, 5' -四氯联苯	2, 2', 5, 5'- 四氯联苯	
			2, 2', 5-三氯联苯	2, 4, 4'-三氯联苯	2, 4', 5-三氯联苯	
DCMA PCB 混标	48596-U	10种组分溶于正己烷	2-氯联苯, 100µg/mL	十氯联苯, 5µg/mL		2x5mL
			3, 3'-二氯联苯, 100µg/mL	2, 2', 3, 4', 5, 5', 6- 七氯联苯, 5µg/mL		
			2, 2', 3, 3', 6, 6'-六氯联苯, 10µg/mL	2, 2', 3, 3', 4, 4', 5, 5', 6-九氯联苯, 5µg/mL		
			2, 2', 3, 3', 4, 4', 5, 5' -八氯联苯, 5µg/mL	2, 3', 4, 5', 6-五氯联苯, 10µg/mL		
			2, 2', 4, 4'-四氯联苯, 10µg/mL	2, 4, 5-三氯联苯, 10µg/mL		
共平面PCB混标1	47330-U	6种组分溶于异辛烷, 各组分 浓度均为10µg/mL	2, 6-二氯联苯	2, 2', 3, 4, 4', 5, 5' -七氯联苯	2, 2', 3, 4, 4', 5' -六氯联苯	10mL
			2, 2', 4, 4', 5, 5'-六氯联苯	2, 2', 5, 5'-四氯联苯	2, 4, 4'-三氯联苯	

中文名称	订货号	规格	组分	包装
高浓度多氯联苯 (PCB)标准品套装	44803	6种组分, 独立包装	Aroclor 1232 溶液, 1000µg/mL溶于异辛烷(44805), 1mL	1 kit
			Aroclor 1242 溶液, 1000µg/mL溶于异辛烷(44806), 1mL	
			Aroclor 1248 溶液, 1000µg/mL溶于异辛烷(44807), 1mL	
			Aroclor 1254 溶液, 1000µg/mL溶于异辛烷(44808), 1mL	
			Aroclor 1260 溶液, 1000µg/mL溶于异辛烷(44809), 1mL	
			Aroclor 1262 溶液, 1000µg/mL溶于异辛烷(44810), 1mL	
低浓度多氯联苯 (PCB)标准品套装	44804	6种组分, 独立包装	Aroclor 1232 溶液, 1µg/mL溶于异辛烷(44811), 1mL	1 kit
			Aroclor 1242 溶液, 1µg/mL溶于异辛烷(44812), 1mL	
			Aroclor 1248 溶液, 1µg/mL溶于异辛烷(44813), 1mL	
			Aroclor 1254 溶液, 1µg/mL溶于异辛烷(44814), 1mL	
			Aroclor 1260 溶液, 1µg/mL溶于异辛烷(44815), 1mL	
			Aroclor 1262 溶液, 1µg/mL溶于异辛烷(44816), 1mL	
多氯联苯(PCB) 标准品套装3	48825	7种组分, 独立包装	Aroclor 1016 溶液, 200µg/mL溶于甲醇(48701), 1mL	1 kit
			Aroclor 1221 溶液, 200µg/mL溶于甲醇(48705), 1mL	
			Aroclor 1232 溶液, 200µg/mL溶于甲醇(48702), 1mL	
			Aroclor 1242 溶液, 200µg/mL溶于甲醇(48706), 1mL	
			Aroclor 1248 溶液, 200µg/mL溶于甲醇(48703), 1mL	
			Aroclor 1254 溶液, 200µg/mL溶于甲醇(48707), 1mL	
			Aroclor 1260 溶液, 200µg/mL溶于甲醇(48704), 1mL	

多氯联苯 (PCBs)测定的色谱分析耗材

订货号	中文名称	描述	包装
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA

邻苯二甲酸酯类标准品

中文名称	订货号	规格	组分	包装
EPA 邻苯二甲酸酯混标	48231	CRM, 6种组分溶于己烷, 各组分浓度均为2000µg/mL	双(2-乙己基)邻苯二甲酸酯	1mL
			邻苯二甲酸二乙酯	
			邻苯二甲酸二(2-乙己基)酯	
EPA 邻苯二甲酸酯混标	48805-U	6种组分溶于甲醇, 各组分浓度均为2000µg/mL	邻苯二甲酸二正丁酯	1mL
			邻苯二甲酸二甲酯	
			邻苯二甲酸二正辛酯	
EPA 506 邻苯二甲酸酯混标	40077-U	CRM, 7种组分溶于异辛烷, 各组分浓度均为1000µg/mL	邻苯二甲酸二(2-乙己基)酯	1mL
			邻苯二甲酸二乙酯	
			邻苯二甲酸二正辛酯	
EPA 506 邻苯二甲酸酯混标1	48223	CRM, 6种组分溶于甲醇, 各组分浓度均为500µg/mL	己二酸双(2-乙己基)酯	1mL
			邻苯二甲酸二甲酯	
			邻苯二甲酸二正丁酯	
EPA 邻苯二甲酸酯混标	48805-U	6种组分溶于甲醇, 各组分浓度均为2000µg/mL	邻苯二甲酸二乙酯	1mL
			邻苯二甲酸二甲酯	
			邻苯二甲酸二正辛酯	
EPA 525更新邻苯二甲酸酯混标	47973	CRM, 7种组分溶于甲醇, 各组分浓度均为500µg/mL	邻苯二甲酸二正丁酯	1mL
			邻苯二甲酸二甲酯	
			邻苯二甲酸二(2-乙己基)酯	
EPA 606-M 邻苯二甲酸酯混标	48741	CRM, 6种组分溶于甲醇, 各组分浓度均为200µg/mL	己二酸二(2-乙己基)酯	1mL
			五氯苯酚	
			邻苯二甲酸二乙酯	
EPA 606-M 邻苯二甲酸酯混标	48741	CRM, 6种组分溶于甲醇, 各组分浓度均为200µg/mL	邻苯二甲酸双(2-乙己基)酯	1mL
			邻苯二甲酸二甲酯	
			邻苯二甲酸二正丁酯	
EPA 606-M 邻苯二甲酸酯混标	48741	CRM, 6种组分溶于甲醇, 各组分浓度均为200µg/mL	邻苯二甲酸二乙酯	1mL
			邻苯二甲酸二正辛酯	
			邻苯二甲酸二甲酯	
EPA 醚及邻苯二甲酸酯混标	47643-U	11种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	双(2-氯乙氧基)甲烷	1mL
			邻苯二甲酸二甲酯	
			双(2-氯乙基)醚	
EPA 醚及邻苯二甲酸酯混标	47643-U	11种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	邻苯二甲酸二乙酯	1mL
			邻苯二甲酸二正丁酯	
			邻苯二甲酸二正辛酯	
EPA 醚及邻苯二甲酸酯混标	47643-U	11种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	双(2-氯异丙基)醚	1mL
			邻苯二甲酸二正辛酯	
			邻苯二甲酸二甲酯	
EPA 醚及邻苯二甲酸酯混标	47643-U	11种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	4-溴苯基苯基醚	1mL
			邻苯二甲酸丁基酯	
			4-氯苯基苯基醚	

邻苯二甲酸酯类测定的色谱分析耗材

订货号	中文名称	描述	包装
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA

空气中醛酮类标准品

醛酮类单标

中文名称	英文名称	订货号	规格	包装
乙醛-2, 4-DNPH	Acetaldehyde-2, 4-DNPH	442434	analytical standard	100mg
		CRM47340	CRM, 1000µg/mL溶于乙腈	1mL
丙酮-2, 4-DNPH	Acetone-2, 4-DNPH	442436	analytical standard	50mg
		CRM47341	CRM, 1000µg/mL溶于乙腈	1mL
丙烯醛-2, 4-DNPH	Acrolein-2, 4-DNPH	442441	analytical standard	25mg
		CRM47342	CRM, 1000µg/mL溶于乙腈 (as the aldehyde)	1mL
苯甲醛-2, 4-DNPH	Benzaldehyde-2, 4-DNPH	442469	analytical standard	100mg
		CRM47343	CRM, 100µg/mL溶于乙腈 (as the aldehyde)	1mL
2-丁酮-2, 4-DNPH	2-Butanone-2, 4-dinitrophenylhydrazone	442339	analytical standard	100mg
		CRM47344	CRM	1mL
正丁醛-2, 4-DNPH	Butyraldehyde-2, 4-DNPH	442504	analytical standard	100mg
		CRM47344	CRM	1mL
巴豆醛-2, 4-DNPH	Crotonaldehyde-2, 4-DNPH	442529	analytical standard	100mg
		CRM47175	CRM, 100µg/mL溶于乙腈 (as the aldehyde)	1mL
环己酮-2, 4-DNPH	Cyclohexanone-2, 4-DNPH	442533	analytical standard	100mg
		47673-U	analytical standard, 500µg/mL溶于乙腈 (as ketone)	1mL
2, 5-二甲基苯甲醛-2, 4-DNPH	Cyclohexanone-2, 4-DNPH	442533	analytical standard	100mg
甲醛-2, 4-DNPH	Formaldehyde-2, 4-DNPH	442597	analytical standard	100mg
		CRM47177	CRM, 100µg/mL溶于乙腈 (as aldehyde)	1mL
戊二醛-2, 4-DNPH	Glutaraldehyde-2, 4-DNPH	CRM47564	CRM, 100µg/mL溶于乙腈 (as aldehyde equivalent)	1mL
己醛-2, 4-DNPH	Hexaldehyde-2, 4-DNPH	442614	analytical standard	100mg
		CRM47178	CRM, 1000µg/mL溶于乙腈	1mL
异丁醛-2, 4-DNPH	Isobutyraldehyde-2, 4-DNPH solution	CRM47886	CRM, 100µg/mL溶于乙腈	1mL
异戊醛-2, 4-DNPH	Isovaleraldehyde-DNPH	CRM47179	CRM, 1000µg/mL溶于乙腈 (as the aldehyde equivalent)	1mL
异丁烯醛-2, 4-DNPH	Methacrolein-2, 4-DNPH	442639	analytical standard	100mg
		CRM47180	CRM, 100µg/mL溶于乙腈	1mL
丙醛-2, 4-DNPH	Propionaldehyde-2, 4-DNPH	442768	analytical standard	100mg
		CRM47181	1000µg/mL溶于乙腈 (as the aldehyde)	1mL
邻甲苯甲醛-2, 4-DNPH	o-Tolualdehyde-2, 4-DNPH	442722	analytical standard	100mg
		CRM47182	CRM, 100µg/mL溶于乙腈	1mL
间甲苯甲醛-2, 4-DNPH	m-Tolualdehyde-DNPH	CRM47183	CRM, 100µg/mL溶于乙腈 (as the aldehyde equivalent)	1mL
对甲苯甲醛-2, 4-DNPH	p-Tolualdehyde-2, 4-DNPH	442735	analytical standard	100mg
		CRM47184	CRM, 100µg/mL溶于乙腈 (as the aldehyde equivalent)	1mL
戊醛-2, 4-DNPH	Valeraldehyde-2, 4-DNPH	442834	analytical standard	100mg
		CRM47185	CRM, 100µg/mL溶于乙腈 (as the aldehyde)	1mL

空气中醛或酮的分析的色谱分析耗材

订货号	中文名称	描述	包装
21026-U	LpDNPH S10吸附采样小柱	小柱式，每一根单独铝箔包装，3mL/350mg	10支/盒
505358	LpDNPH S10L吸附采样小柱	反转式，两端luer接头，350mg	10支/盒
505285	臭氧滤除管	反转式，Lure封端，1.5g	10支/盒
54278-U	BPE-DNPH双层采样管	Rezorian型，同时分析臭氧和醛酮，130/270mg	10支/盒
28221-U	DSD-DNPH被动扩散采样管	符合OSHA 1007方法，高采样速率	10支/盒
RAD1234	Radiello醛类化合物即用型被动扩散采样管	套装，含采样器装置、玻璃管、连接头等	5支/盒
581325-U	Ascentis C18液相色谱柱	25cmX4.6mm, 5µm	1支
565322-U	Ascentis RP-Amide液相色谱柱	15cmX4.6mm, 3µm	1支
53827-U	Ascentis Express C18液相色谱柱	10cmX4.6mm, 2.7µm	1支

总石油烃类标准品

中文名称	英文名称	订货号	规格	包装
癸烷	Decane	442669	analytical standard	1G
C11	Undecane	442714	analytical standard	1G
C12	Dodecane	92064-100mg	CRM	100mg
C13	Tridecane	442713	analytical standard	1G
C14	Tetradecane	442708	analytical standard	1G
C15	Pentadecane	442700	analytical standard	1G
C16	Hexadecane	442679	analytical standard	1G
C17	Heptadecane	51578-1mL	analytical standard	1mL
C18	Octadecane	442697	analytical standard	1G
C19	Nonadecane	74158-1G	analytical standard	1G
C20	Eicosane	442673	analytical standard	1G
C21	Heneicosane	51523-1G	analytical standard	1G
C22	Docosane	442670	analytical standard	1G
C23	Tricosane	91447-1G	analytical standard	1G
C24	Tetracosane	87089-1G	analytical standard	1G
C25	Pentacosane	76493-1G(250mg)	analytical standard	250mg
C26	Hexacosane	52183-1G(250mg)	analytical standard	250mg
C27	Heptacosane	51559-1G(250mg)	analytical standard	250mg
C28	Octacosane	442696	analytical standard	1G
C29	Nonacosane	74156-1G(250mg)	analytical standard	250mg
C30	Triacotane	90270-1G(250mg)	analytical standard	250mg
C31	Hentriacontane	51529-1G(250mg)	analytical standard	250mg
C32	Dotriacontane	44253-1G	analytical standard	1G
C33	Trtriacontane	93435-250mg	analytical standard	250mg
C34	Tetratriacontane	442710	analytical standard	1G
C35	Pentatriacontane	76968-250mg	analytical standard	250mg
C36	Hexatriacontane	52919-1G	analytical standard	1G
C37	Heptatriacontane	51848-100mg	analytical standard	100mg
C38	Octatriacontane	*74893-1G	> 95%(GC)	1G
C39	Nonatriacontane	*12341-1G-F	≥ 90.0% (GC)	1G
C40	Tetracontane	87086-1G(250mg)	analytical standard	250mg

正构烷烃标准品

中文名称	订货号	规格	组分			包装
汽油添加剂混标	47905	4种组分溶于甲醇, 各组分浓度均为200µg/mL	1, 2-二溴乙烷	1, 2-二氯乙烷	甲基叔丁基醚	1mL
GRO 混标	47576-U	CRM, 9种组分溶于甲醇, 各组分浓度均为2000µg/mL	二溴甲烷			1mL
			苯	萘	乙苯	
			间二甲苯	邻二甲苯	3-甲基戊烷	
PVOC混标	47916	7种组分溶于甲醇, 各组分浓度均为2000µg/mL	2, 2, 4-三甲基戊烷	甲苯	1, 2, 4-三甲苯	1mL
			苯	甲苯	间二甲苯	
			乙苯	1, 2, 4-三甲苯	甲基叔丁基醚	
EPA GRO混标	47577-U	CRM, 9种组分溶于甲醇	1, 3, 5-三甲苯			1mL
			苯 500µg/mL	2-甲基戊烷 1500µg/mL	乙苯 500µg/mL	
			甲苯 1500µg/mL	庚烷 500µg/mL	间二甲苯1000µg/mL	
UST改良汽油混标	48167	CRM, 10种组分溶于甲醇, 各组分浓度均为1000µg/mL	2, 2, 4-三甲基戊烷1500µg/mL	1, 2, 4-三甲苯 1000µg/mL	邻二甲苯1000µg/mL	1mL
			苯	甲苯	间二甲苯	
			对二甲苯	乙苯	1, 2, 4-三甲苯	
校正PVOC/GRO混标	47578-U	CRM, 10种组分溶于甲醇, 各组分浓度均为2000µg/mL	甲基叔丁基醚	萘		1mL
			邻二甲苯	1, 3, 5-三甲苯		
			苯	甲苯	间二甲苯	
DRO校正混标	861287	12种组分溶于正己烷, 各组分浓度均为500µg/mL	对二甲苯	乙苯	1, 2, 4-三甲苯	1mL
			甲基叔丁基醚	萘	邻二甲苯	
			1, 3, 5-三甲苯			
UST改良DRO混标	48166	10种组分溶于正己烷, 各组分浓度均为1000µg/mL	氯苯	正十六烷		5mL
			正癸烷	二十八烷		
			正二十二烷	正十八烷		
			正十二烷	邻三联苯		1mL
			正二十烷	正二十四烷		
			正二十六烷	正十四烷		
			正癸烷	正十八烷	正二十四烷	
			正十二烷	正二十烷	正二十六烷	
			正十四烷	正二十二烷	正二十八烷	
			正十六烷			

中文名称	订货号	规格	组分			包装
正构烷烃混标	46827-U	15种组分溶于二氯甲烷: 二硫化碳(85:15), 各组分浓度均为1000µg/mL	正癸烷	正十八烷	正二十四烷	1mL
			正十二烷	正二十烷	正二十六烷	
			正十四烷	正二十二烷	正二十八烷	
			正十六烷	正三十二烷	正三十六烷	
			正壬烷	正三十四烷	正三十烷	
			正辛烷	正二十烷	正二十四烷	
正构烷烃混标	46855-U	17种组分溶于二氯甲烷: 二硫化碳(1:1), 各组分浓度均为1000µg/mL	正癸烷	正十八烷	正二十六烷	1mL
			正十二烷	正二十烷	正二十八烷	
			正十四烷	正二十二烷	正三十六烷	
			正十六烷	正三十二烷	正三十烷	
			正壬烷	正三十四烷		
总石油烃(TPH)混标3	861394-U	17种组分溶于二硫化碳, 各组分浓度均为1000µg/mL	正癸烷	正二十八烷		1mL
			正十二烷	正十八烷		
			正三十二烷	正辛烷		
			正二十烷	正四十烷		
			正庚烷	正二十四烷		
			正十六烷	正十四烷		
			正己烷	正四十四烷		
			正三十六烷	正十一烷		
			正壬烷			
总石油烃(TPH)混标1	861424-U	CRM, 10种组分溶于正己烷:二氯甲烷(1:1), 各组分浓度均为2000µg/mL	正癸烷	正十六烷		1mL
			正二十二烷	正二十八烷		
			正十二烷	正十八烷		
			正二十烷	正二十四烷		
			正二十六烷	正十四烷		

硝基苯类标准品

硝基苯类单标

中文名称	英文名称	订货号	规格	包装
硝基苯	Nitrobenzene	40054	CRM, 5000µg/mL溶于甲醇	1mL
		06084-1mL-F	analytical standard	1mL
2,6-二硝基甲苯	2,6-Dinitrotoluene	47748-U	analytical standard, 1000µg/mL溶于乙腈	1mL
		31565-250mg	analytical standard	250mg
2,4-二硝基甲苯	2,4-Dinitrotoluene	40033	analytical standard, 5000µg/mL溶于甲醇	1mL
		47747	analytical standard, 1000µg/mL溶于乙腈	1mL
		18191-100mg	CRM	100mg
		45969-250mg	analytical standard	250mg
硝基苯-d5	Nitrobenzene-d5	48717-U	CRM, 2000µg/mL溶于二氯甲烷	1mL
对三联苯-d14	p-Terphenyl-d14	48418	CRM, 2000µg/mL溶于二氯甲烷	1mL

硝基苯类混标

中文名称	订货号	规格	组分			包装
EPA 硝基芳香物/环酮混标 (EPA 硝基芳烃/环酮混标)	48227	6种组分溶于己烷/丙酮(94/6), 各组分浓度均为2000µg/mL	1, 3-二硝基苯	2, 6-二硝基甲苯	1, 4-萘醌	1mL
			2, 4-二硝基甲苯	异佛尔酮	硝基苯	
EPA 8330混标A	47283	8种炸药组分溶于乙腈, 各组分浓度均为100µg/mL	2-氨基-4, 6-二硝基甲苯	HMX	1, 3, 5-三硝基苯	1mL
			1, 3-二硝基苯	硝基苯	2, 4, 6-三硝基甲苯	
			2, 4-二硝基苯	黑索今(RDX)		
EPA 8330混标B	47284	6种炸药组分溶于乙腈, 各组分浓度均为100µg/mL	4-氨基-2, 6-二硝基甲苯	2-硝基甲苯	4-硝基甲苯	1mL
			2, 6-二硝基甲苯	3-硝基甲苯	三硝基苯甲硝胺	

酚类标准品

酚类单标

中文名称	英文名称	订货号	规格	包装
苯酚	Phenol	40063	CRM, 5000µg/mL溶于甲醇	1mL
		46344-2mL	analytical standard, 100µg/mL溶于乙腈	2mL
		48688	CRM, 500µg/mL溶于甲醇	1mL
		35952-500mg	analytical standard	500mg
2-氯酚	2-Chlorophenol	40022	analytical standard, 5000µg/mL溶于甲醇	1mL
		36332-100mg	CRM	100mg
		36746-100mg	analytical standard	100mg
邻-甲酚	2-Methylphenol	40250-U	CRM, 5000µg/mL溶于甲醇	1mL
		442361	analytical standard	1G
对-甲酚	4-Methylphenol	40252-U	CRM, 5000µg/mL溶于甲醇	1mL
		442418	analytical standard	1G
间-甲酚	3-Methylphenol	40251-U	CRM, 5000µg/mL溶于甲醇	1mL
		442391	analytical standard	1G
2-硝基酚	2-Nitrophenol	40055	analytical standard, 5000µg/mL溶于甲醇	1mL
2,4-二甲酚	2,4-Dimethylphenol	40224	analytical standard, 5000µg/mL溶于甲醇	1mL
2,4-二氯酚	2,4-Dichlorophenol	40029	analytical standard, 5000µg/mL溶于甲醇	1mL
		48690-U	analytical standard, 500µg/mL溶于甲醇	1mL
		07846-100mg	CRM	100mg
		35811-1G	analytical standard	1G
2,6-二氯酚	2,6-Dichlorophenol	35811-1G	analytical standard	1G
4-氯-3-甲酚	4-Chloro-3-methylphenol	48693	CRM, 500µg/mL溶于甲醇	1mL
		48519	analytical standard	5G
2,4,6-三氯酚	2,4,6-Trichlorophenol	40019	CRM, 5000µg/mL溶于甲醇	1mL
		08896-100mg	CRM	100mg
		36543-250mg	analytical standard	250mg
2,4,5-三氯酚	2,4,5-Trichlorophenol	40179	analytical standard, 5000µg/mL溶于甲醇	1mL
2,4-二硝基酚	2,4-Dinitrophenol			
4-硝基酚	4-Nitrophenol	40056	CRM, 5000µg/mL溶于甲醇	1mL
		42224-50mg	CRM	50mg
		35836-1G	analytical standard	1G
2,3,4,6-四氯酚	2,3,4,6-Tetrachlorophenol	48264	CRM, 5000µg/mL溶于甲醇	1mL
		45907-2mL	analytical standard, 100µg/mL溶于甲醇	2mL
		442282	analytical standard	100mg
2,3,4,5-四氯酚	2,3,4,5-Tetrachlorophenol	48153	CRM, 2000µg/mL溶于甲醇	1mL
		442281	analytical standard	100mg
2,3,5,6-四氯酚	2,3,5,6-Tetrachlorophenol	48152	CRM, 2000µg/mL溶于甲醇	1mL
		36518-10mg	analytical standard	10mg
2-甲基-4,6-二硝基酚	2-Methyl-4,6-dinitrophenol	40058	CRM, 5000µg/mL溶于甲醇	1mL
		45464-250mg	analytical standard	250mg
2-(1-甲基-正丙基)-4,6-二硝基酚(地乐酚)	2-sec-Butyl-4,6-dinitrophenol(Dinoseb)	48378	analytical standard, 200µg/mL溶于二氯甲烷	1mL

酚类混标

中文名称	订货号	规格	组分			包装
酚类套装	44578-U	45种单独包装的样品(除特别标注外均为1g), 纯度>96%	2-溴苯酚	3, 4-二氯苯酚	4-甲基苯酚	1mL
			3-溴苯酚	3, 5-二氯苯酚	2-硝基苯酚	
			4-溴苯酚	2, 3-二甲苯酚	3-硝基苯酚	
			2-氯-5-甲基苯酚	2, 4-二甲苯酚0.5g	4-硝基苯酚	
			4-氯-2-甲基苯酚	2, 5-二甲苯酚	五氯苯酚	
			4-氯-3-甲基苯酚 0.5g	2, 6-二甲苯酚	苯酚	
			2-氯苯酚5g	3, 4-二甲苯酚	2, 3, 4-三氯苯酚	
			3-氯苯酚	3, 5-二甲苯酚	2, 3, 5-三氯苯酚	
			4-氯苯酚	2, 5-二硝基苯酚	2, 3, 6-三氯苯酚	
			2, 4-二溴苯酚	3, 4-二硝基苯酚	2, 4, 5-三氯苯酚	
			2, 6-二溴苯酚	2-乙基苯酚	2, 4, 6-三氯苯酚 0.5g	
			2, 3-二氯苯酚	3-乙基苯酚	3, 4, 5-三氯苯酚25mg	
			2, 4-二氯苯酚0.5g	4-乙基苯酚	2, 3, 5-三甲苯酚	
			2, 5-二氯苯酚	2-甲基苯酚	2, 3, 6-三甲苯酚	
			2, 6-二氯苯酚	3-甲基苯酚	2, 4, 6-三甲苯酚	

中文名称	订货号	规格	组分			包装
EPA 8040A苯酚类 校准混标	47899	24种组分溶于异丙醇, 各 组分浓度均为 500µg/mL	2-仲丁基-4, 6-二硝基苯 酚(地乐酚)	2-甲基苯酚	2, 3, 4, 6-四氯苯酚	1mL
			4-氯-3-甲基苯酚	3-甲基苯酚	2, 3, 5, 6-四氯苯酚	
			2-氯苯酚	4-甲基苯酚	2, 3, 4-三氯苯酚	
			2, 4-二氯苯酚	2-硝基苯酚	2, 3, 5-三氯苯酚	
			2, 6-二氯苯酚	4-硝基苯酚	2, 3, 6-三氯苯酚	
			2, 4-二甲苯酚	五氯苯酚	2, 4, 5-三氯苯酚	
			2, 4-二硝基苯酚	苯酚	2, 4, 6-三氯苯酚	
			2-甲基-4, 6-二硝基苯酚	2, 3, 4, 5-四氯苯酚	3, 4, 5-三氯苯酚	
			4-氯-3-甲基苯酚	3-甲基苯酚	五氯苯酚	
EPA 8040A苯酚类 混标	48235-U	9种组分溶于异丙醇, 各 组分浓度均为 2000µg/mL	2, 4-二氯苯酚	2-硝基苯酚	苯酚	1mL
			2-甲基-4, 6-二硝基苯酚	4-硝基苯酚	2, 4, 6-三氯苯酚	
			2-仲丁基-4, 6-二硝基苯 酚(地乐酚)	2, 4-二甲苯酚	4-甲基苯酚	
EPA 8040B苯酚类 混标	48238	9种组分溶于异丙醇, 各 组分浓度均为 2000µg/mL	2-氯苯酚	2, 4-二硝基苯酚	2, 3, 4, 6-四氯苯酚	1mL
			2, 6-二氯苯酚	2-甲基苯酚	2, 4, 5-三氯苯酚	
			2-氟苯酚	2, 4, 6-三溴苯酚		
EPA 8040 替代标 准品混标	47951	2种组分溶于异丙醇, 各 组分浓度均为 2000µg/mL	2, 4-二硝基苯酚	4-硝基苯酚		2mL
			2-甲基-4, 6-二硝基苯酚	五氯苯酚		
EPA 8270 酸类物 质校正混标1	861213	CRM, 4种组分溶于二氯 甲烷, 各组分浓度均为 2000µg/mL	苯甲酸	邻甲酚		1mL
			4-氯-2-甲基苯酚	2-硝基苯酚		
			2-氯苯酚	苯酚		
			对甲酚	2, 4, 5-三氯苯酚		
			2, 4-二氯苯酚	2, 4, 6-三氯苯酚		
			2, 4-二甲苯酚			
EPA 8270 酸类物 质校正混标2	861220	CRM, 10种组分溶于二氯 甲烷, 各组分浓度均为 2000µg/mL	苯甲酸	2, 4-二甲苯酚		1mL
			4-氯-3-甲基苯酚	邻甲酚		
			2-氯苯酚	4-硝基苯酚		
			对甲酚	2, 4, 5-三氯苯酚		
			2, 4-二氯苯酚	2, 4, 6-三氯苯酚		
			2, 4-二甲苯酚			
EPA 8270 酸类物质 校正混标2(2nd lot)	861218	4种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	2, 4-二硝基苯酚	4-硝基苯酚		5mL
			2-甲基-4, 6-二硝基苯酚	五氯苯酚		
			2-仲丁基-4, 6-二硝基苯 酚(地乐酚)	2, 4-二硝基苯酚	4-硝基苯酚	
EPA 8270酚类混 标	47377	CRM, 18种组分溶于异丙 醇, 各组分浓度均为 2000µg/mL	2-甲基-4, 6-二硝基苯酚	4-氯-3-甲基苯酚	苯酚	1mL
			2-氯苯酚	2-甲基苯酚	2, 3, 5, 6-四氯苯酚	
			2, 4-二氯苯酚	3-甲基苯酚	2, 4, 5-三氯苯酚	
			2, 6-二氯苯酚	4-甲基苯酚	2, 4, 6-三氯苯酚	
			2, 4-二甲苯酚	2-硝基苯酚	地乐酚	
			2-甲基苯酚	六氯酚	2, 6-二氯苯酚	
			3-甲基苯酚	EPA 625 苯酚类混标		
			4-甲基苯酚	2, 3, 4, 6-四氯苯酚		
EPA 8270酚类混 标2	47909	CRM, 8种组分溶于二氯 甲烷, 各组分浓度均为 2000µg/mL	4-氯-3-甲基苯酚	2-硝基苯酚		1mL
			2500µg/mL	500µg/mL		
			2-氯苯酚	五氯苯酚		
			500µg/mL	2500µg/mL		
			2, 4-二氯苯酚	苯酚		
			500µg/mL	500µg/mL		
			2, 4-二甲苯酚	2, 4, 6-三氯苯酚		
			500µg/mL	1500µg/mL		
			2, 4-二硝基苯酚	4-硝基苯酚		
			1500µg/mL	2500µg/mL		
EPA酚类混标	48859	CRM, 11种组分溶于甲醇	2-甲基-4, 6-二硝基苯酚			1mL
			2500µg/mL			
			4-氯-3-甲基苯酚	2-硝基苯酚		
			2500µg/mL	500µg/mL		
			2-氯苯酚	五氯苯酚		
			500µg/mL	2500µg/mL		
			2, 4-二氯苯酚	苯酚		
			500µg/mL	500µg/mL		
			2, 4-二甲苯酚	2, 4, 6-三氯苯酚		
			500µg/mL	1500µg/mL		
EPA 625 苯酚类混 标	48866	11种组分溶于二氯甲烷	2, 4-二硝基苯酚	4-硝基苯酚		1mL
			2500µg/mL	2500µg/mL		
			2-甲基-4, 6-二硝基苯酚			
			2500µg/mL			
			4-氯-3-甲基苯酚	2-硝基苯酚		
			2500µg/mL	500µg/mL		
			2-氯苯酚	五氯苯酚		
			500µg/mL	2500µg/mL		

中文名称	订货号	规格	组分			包装
EPA TCL 酚类混标	48904	CRM, 11种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	4-氯-3-甲基苯酚	2, 4-二硝基苯酚	2-甲基-4, 6-二硝基苯酚	1mL
			2-氯苯酚	苯酚	五氯苯酚	
			2, 4-二氯苯酚	2-硝基苯酚	2, 4, 6-三氯苯酚	
			2, 4-二甲苯基苯酚	4-硝基苯酚		
TCL 毒性物质混标1	48907	CRM, 4种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	苯甲酸	4-甲基苯酚		1mL
			2-甲基苯酚	2, 4, 5-三氯苯酚		
TCL 酚类/联苯胺混标	47992-U	CRM, 13种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	联苯胺	2, 4-二甲苯基苯酚	4, 6-二甲苯基邻甲酚	1mL
			五氯苯酚	4-硝基苯酚	4-氯-3-甲基苯酚	
			2-氯苯酚	2, 4-二硝基苯酚	苯酚	
			3, 3'-二氯联苯胺	2-硝基苯酚	2, 4, 6-三氯苯酚	
			2, 4-二氯苯酚			

亚硝胺类标准品

中文名称	订货号	规格	组分			包装
EPA 607 亚硝胺混标	48240-U	CRM, 3种组分溶于甲醇, 各组分浓度均为2000µg/mL	N-亚硝基二甲胺	N-亚硝基二苯胺	N-亚硝基二正丙胺	1mL
EPA 亚硝胺6组分混标	48489	CRM, 6种组分溶于甲醇, 各组分浓度均为2000µg/mL	N-亚硝基二正丁胺	N-亚硝基甲基乙基胺	1-亚硝基哌啶	1mL
			N-亚硝基二乙胺	N-亚硝基吗啉	1-亚硝基吡咯烷	
EPA 8270亚硝胺9组分混标	502138	CRM, 9种组分溶于甲醇, 各组分浓度均为2000µg/mL	N-亚硝基二正丁胺	N-亚硝基二正丙胺	N-亚硝基吗啉	1mL
			N-亚硝基二乙胺	N-亚硝基二苯胺	N-亚硝基哌啶	
			N-亚硝基二甲胺	N-亚硝基甲基乙基胺	N-亚硝基吡咯烷	
EPA 521 亚硝胺混标	40035-U	CRM, 7种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	N-二甲基亚硝胺	N-亚硝基二正丁胺	N-亚硝基二丙胺	1mL
			N-亚硝基甲基乙胺	N-亚硝基二乙胺	亚硝基吡咯烷	

联苯胺类标准品

中文名称	订货号	规格	组分			包装
EPA 8270碱性/中性混标A	48470	8种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯胺	2-甲基苯	3-硝基苯胺	1mL
			苄醇	2-萘胺	4-硝基苯胺	
			4-氯苯胺	2-硝基苯胺	邻甲苯胺	
			二苯并呋喃			
EPA 8270碱性/中性混标B	48195	CRM, 8种组分溶于甲醇, 各组分浓度均为2000µg/mL	苯乙酮	α, α, α-二甲苯基乙胺	2-甲基吡啶	1mL
			2-乙酰氨基苄	1-萘胺	吡啶	
			4-氨基联苯	5-硝基邻甲苯胺		
EPA 8270 联苯胺混标	5507199	3种组分溶于甲醇, 各组分浓度均为2000µg/mL	联苯胺	3, 3'-二甲基联苯胺		1mL
EPA 8270 联苯胺混标	48467	3种组分溶于甲醇, 各组分浓度均为2000µg/mL	3, 3'-二氯联苯胺			1mL
			联苯胺	3, 3'-二氯联苯胺	3, 3'-二甲基联苯胺	
EPA TCL联苯胺混标	48906	CRM, 2种组分溶于甲醇, 各组分浓度均为2000µg/mL	联苯胺	3, 3'-二氯联苯胺		1mL

苯系物类标准品

中文名称	订货号	规格	组分			包装
UST BTEX 混标	48026	6种组分溶于甲醇, 各组分浓度均为200µg/mL	苯	甲苯	邻二甲苯	1mL
HC BTEX 混标	CRM47993	CRM, 6种组分溶于甲醇, 各组分浓度均为2000µg/mL	乙苯	间二甲苯	对二甲苯	1mL
			苯	甲苯	邻二甲苯	
HC BTEX/MTBE 混标	CRM47505	CRM, 7种组分溶于甲醇, 各组分浓度均为2000µg/mL	乙苯	间二甲苯	对二甲苯	1mL
			苯	甲苯	邻二甲苯	
			乙苯	间二甲苯	对二甲苯	

异氰酸酯标准品

中文名称	英文名称	订货号	规格	包装
甲苯-2,6-二异氰酸酯	2,6-TDI	33493-100mg-R	analytical standard	100mg
二苯甲烷-4,4'-二异氰酸酯	4,4'-MDI	33428-100mg-R	analytical standard	100mg
二环己基甲烷-4,4'-二异氰酸酯	HMDI	33490-2mL-R	analytical standard	2mL
4-硝基-7-哌嗪苯并氧杂噻二唑	4-Nitro-7-piperazinobenzofurazan	92614-100mg-F	HPLC grade	100mL

全氟辛烷磺酸标准品

中文名称	英文名称	订货号	规格	包装
全氟辛烷磺酸	Heptadecafluorooctanesulfonic acid	33607-1mL	analytical standard, 100µg/mL溶于甲醇	1mL
全氟辛烷磺酸钾	Heptadecafluorooctanesulfonic acid potassium salt	33829-100mg	analytical standard	100mg
全氟辛酸	Pentadecafluorooctanoic acid	33824-100mg	analytical standard	100mg
全氟辛酸	Pentadecafluorooctanoic acid	33603-1mL	analytical standard, 100µg/mL溶于甲醇	1mL

氯代酚标准品

中文名称	英文名称	订货号	规格	包装
2-氯酚	2-Chlorophenol	36746-1G	analytical standard	1G
3-氯酚	3-Chlorophenol	36747-1G	analytical standard	1G
4-氯酚	4-Chlorophenol	35826-1G	analytical standard	1G
2,4-二氯酚	2,4-Dichlorophenol	35811-1G	analytical standard	1G
2,4-二氯酚-d3	2,4-Dichlorophenol-d3	442880	analytical standard	50mg
2,5-二氯酚	2,5-Dichlorophenol	35835-1G	analytical standard	1G
2,6-二氯酚	2,6-Dichlorophenol	31102-1G	analytical standard	1G
3,4-二氯酚	3,4-Dichlorophenol	31274-250mg	analytical standard	250mg
3,5-二氯酚	3,5-Dichlorophenol	31595-250mg	analytical standard	250mg
2,3,4-三氯酚	2,3,4-Trichlorophenol	33393-50mg	analytical standard	50mg
2,3,5-三氯酚	2,3,5-Trichlorophenol	442285	analytical standard	100mg
2,3,6-三氯酚	2,3,6-Trichlorophenol	36745-250mg	analytical standard	250mg
2,4,5-三氯酚	2,4,5-Trichlorophenol	36513-250mg	analytical standard	250mg
2,4,6-三氯酚	2,4,6-Trichlorophenol	36543-250mg	analytical standard	250mg
3,4,5-三氯酚	3,4,5-Trichlorophenol	442373	analytical standard	25mg
2,3,4,5-四氯酚	2,3,4,5-Tetrachlorophenol	442281	analytical standard	100mg
2,3,4,6-四氯酚	2,3,4,6-Tetrachlorophenol	442282	analytical standard	100mg
2,3,5,6-四氯酚	2,3,5,6-Tetrachlorophenol	36518-10mg	analytical standard	10mg
双氯酚	Dichlorophene	35992-250mg	analytical standard	250mg

烷基酚、双酚A、及其环氧衍生物标准品

中文名称	英文名称	订货号	规格	包装
2-苯基苯酚	2-Phenylphenol	45529-250mg	analytical standard	250mg
4-苯基苯酚	4-Phenylphenol	34068-100mg	analytical standard	100mg
辛基酚	4-Octylphenol	442850	analytical standard	500mg
4-叔辛基酚	4-tert-Octylphenol	442858	analytical standard	500mg
4-叔辛基酚溶液	4-tert-Octylphenol	32879-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚-3,5-d2溶液	4-tert-Octylphenol-3,5-d2	33557-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚-环13C6溶液	4-tert-Octylphenol-ring-13C6	33565-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚一氧化物溶液	4-tert-Octylphenol monoethoxylate	32882-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚一氧化物-3,5-d2溶液	4-tert-Octylphenol-3,5-d2 monoethoxylate	33523-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚一氧化物-环13C6溶液	4-tert-Octylphenol-monoethoxylate-ring-13C6	33563-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚二氧化物溶液	4-tert-Octylphenol diethoxylate	32886-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚二氧化物-3,5-d2溶液	4-tert-Octylphenol-3,5-d2 diethoxylate	33254-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-叔辛基酚二氧化物-环13C6溶液	4-tert-Octylphenol-diethoxylate-ring-13C6	33229-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
壬基酚一氧化物溶液	Nonylphenol monoethoxylate	32894-1mL	analytical standard, 50µg/mL溶于丙酮	1mL
壬基酚二氧化物溶液	Nonylphenol diethoxylate	32898-1mL	analytical standard, 50µg/mL溶于丙酮	1mL

中文名称	英文名称	订货号	规格	包装
4-(1-乙基-1-甲基己基)苯酚	4-(1-Ethyl-1-methylhexyl)phenol	32702-10mg	analytical standard	10mg
4-(1-甲基-1-丙基戊基)苯酚	4-(1-Methyl-1-propylpentyl)phenol	32705-10mg	analytical standard	10mg
4-(2-乙基-1-甲基己基)苯酚	4-(2-Ethyl-1-methylhexyl)phenol	32707-10mg	analytical standard	10mg
4-(3,6-二甲基-3-庚基)苯酚	4-(3,6-Dimethyl-3-heptyl)phenol	33701-10mg	analytical standard	10mg
4-(3,6-二甲基-3-庚基)苯酚-3,5-d2溶液	4-(3,6-Dimethyl-3-heptyl)phenol-3,5-d2 solution	33569-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚-环13C6溶液	4-(3,6-Dimethyl-3-heptyl)phenol-ring-13C6 solution	33574-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚一氧化物溶液	4-(3,6-Dimethyl-3-heptyl)phenol monoethoxylate solution	32863-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚一氧化物3,5-d2溶液	4-(3,6-Dimethyl-3-heptyl)phenol-3,5-d2 monoethoxylate solution	33567-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚一氧化物-环13C6溶液	4-(3,6-Dimethyl-3-heptyl)phenol monoethoxylate-ring-13C6 solution	33572-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚二氧化物溶液	4-(3,6-Dimethyl-3-heptyl)phenol diethoxylate solution	32864-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚二氧化物-3,5-d2溶液	4-(3,6-Dimethyl-3-heptyl)phenol-3,5-d2 diethoxylate solution	33249-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
4-(3,6-二甲基-3-庚基)苯酚二氧化物--环13C6溶液	4-(3,6-Dimethyl-3-heptyl)phenol-diethoxylate -ring-13C6 solution	33207-1mL	analytical standard, 10µg/mL溶于丙酮	1mL
双酚A	Bisphenol A	442840	analytical standard	500mg
双酚A-d16	Bisphenol A-d16	442876	analytical standard	50mg
双酚A二缩水甘油醚(BADGE)	Bisphenol A diglycidyl ether	15138-500mg-F	analytical standard	500mg
双酚A双(3-氯-2-羟丙基)醚	Bisphenol A bis(3-chloro-2-hydroxypropyl) ether	15136-250mg	analytical standard	250mg
双酚A双(2,3-二羟丙基)醚	Bisphenol A bis(2,3-dihydroxypropyl) ether	15137-250mg	analytical standard	250mg
双酚A(3-氯-2-羟丙基)(2,3-二羟丙基)醚		92427-25mg	analytical standard	25mg
双酚A(3-氯-2-羟丙基)缩水甘油醚	Bisphenol A (3-chloro-2-hydroxypropyl) (2,3-dihydroxypropyl) ether	73124-25mg	analytical standard	25mg
双酚A(2,3-二羟丙基)缩水甘油醚	Bisphenol A (2,3-dihydroxypropyl) glycidyl ether	73417-25mg	analytical standard	25mg
双酚F双(3-氯-2-羟丙基)醚	Bisphenol F bis(3-chloro-2-hydroxypropyl) ether	15139-250mg	analytical standard	250mg
双酚F双(2,3-二羟丙基)醚	Bisphenol F bis(2,3-dihydroxypropyl) ether	61711-100mg	analytical standard	100mg
3环 NOGE	3-Ring NOGE (Novolac glycidyl ether) mixture of isomers	68931-50mg-F	analytical standard	50mg
4环 NOGE	4-Ring NOGE (Novolac glycidyl ether) mixture of isomers chain-like or branched	04976-50mg-F	analytical standard	50mg
5环 NOGE	5-Ring NOGE (Novolac glycidyl ether) mixture of isomers, chain-like or branched	12109-50mg-F	analytical standard	50mg
6环 NOGE	6-Ring NOGE (Novolac glycidyl ether) mixture of isomers, chain-like or branched	30977-50mg-F	analytical standard	50mg

烷基酚混标

中文名称	订货号	规格	组分	包装
烷基酚目标分析物混标	33623-10mL	7种组分溶于丙酮, 用于 DIN EN ISO 18857-2	辛基酚 1µg/mL 异壬基酚 5µg/mL 双酚A 1µg/mL	10mL
			4-叔辛基苯酚单乙氧基化物 1µg/mL 异壬基酚单乙氧基化物 5µg/mL	
			4-叔辛基苯酚二乙氧基化物 1µg/mL 异壬基酚二乙氧基化物 5µg/mL	
烷基酚内标混标	33627-10mL	7种组分溶于丙酮, 用于 DIN EN ISO 18857-2	4-叔辛基酚 (环 13C6) 1µg/mL 4-(3,6-二甲基-3-庚基)-苯酚 (环 13C6) 1µg/mL	10mL
			4-叔辛基酚单乙氧基化物 (环 13C6) 1µg/mL 4-(3,6-二甲基-3-庚基)-苯酚单乙氧基化物 (环 13C6) 1µg/mL	
			4-叔辛基酚双乙氧基化物 (环 13C6) 1µg/mL 4-(3,6-二甲基-3-庚基)-苯酚双乙氧基化物 (环 13C6) 1µg/mL 双酚A (D16) 1µg/mL	
烷基酚标准品套装	33629-1EA	烷基酚标准品套装, 用于 DIN EN ISO 18857-2	包含的产品货号: 33623-10mL	1 Kit
			包含的产品货号: 33627-10mL	
			N-甲基-N-(三甲基硅烷基)三氟乙酰胺 5 x 1 mL	

卤代乙酸标准品

中文名称	订货号	规格	组分				包装
EPA 552 卤化乙酸混标	48047	CRM, 6种组分溶于甲基叔丁基醚, 各组分浓度均为2000µg/mL	溴乙酸	二溴乙酸		氯乙酸	1mL
			溴氯乙酸	二氯乙酸		三氯乙酸	
EPA 552 甲酯类校正混标	47598-U	CRM, 6种组分溶于甲基叔丁基醚, 各组分浓度均为1000µg/mL	溴乙酸甲酯	二溴乙酸甲酯		二氯乙酸甲酯	1mL
			溴氯乙酸甲酯	氯乙酸甲酯		三氯乙酸甲酯	
EPA 552.1 酸类校正混标(含替代标准品)	47652-U	CRM, 8种组分溶于甲基叔丁基醚	溴乙酸	200µg/mL	茅草枯	200µg/mL	1mL
			溴氯乙酸	200µg/mL	二溴乙酸	100µg/mL	
			2-溴丙酸	100µg/mL	二氯乙酸	300µg/mL	
			氯乙酸	300µg/mL	三氯乙酸	100µg/mL	
EPA 552.2 酸类校正混标ICR(含替代标准品)	47629-U	CRM, 11种组分溶于甲基叔丁基醚	溴乙酸	200µg/mL	茅草枯	200µg/mL	1mL
			溴氯乙酸	200µg/mL	二溴乙酸	100µg/mL	
			溴二氯乙酸	200µg/mL	二氯乙酸	300µg/mL	
			2-溴丙酸	100µg/mL	三溴乙酸	100µg/mL	
			氯乙酸	300µg/mL	三氯乙酸	100µg/mL	
			氯二溴乙酸	200µg/mL			
EPA 552.2 卤代乙酸混标	49107-U	CRM, 9种组分溶于甲基叔丁基醚, 各组分浓度均为2000µg/mL	溴乙酸	二溴乙酸		溴氯乙酸	1mL
			二氯乙酸	一溴二氯乙酸		三溴乙酸	
			氯乙酸	三氯乙酸		二溴一氯乙酸	
EPA 552.2 甲酯类校正混标ICR(含替代标准品)	47630-U	CRM, 11种组分溶于甲基叔丁基醚	溴乙酸甲酯	200µg/mL	2, 2-二氯丙酸甲酯	200µg/mL	1mL
			溴氯乙酸甲酯	200µg/mL	二氯乙酸甲酯	300µg/mL	
			溴二氯乙酸甲酯	200µg/mL	三溴乙酸甲酯	100µg/mL	
			2-溴丙酸甲酯	100µg/mL	三氯乙酸甲酯	100µg/mL	
			氯乙酸甲酯	300µg/mL	二溴乙酸甲酯	100µg/mL	
			氯二溴乙酸甲酯	1000µg/mL			
EPA 552.2 酸类校正混标	47787	CRM, 9种组分溶于甲基叔丁基醚	溴乙酸	400µg/mL	二溴乙酸	200µg/mL	1mL
			溴氯乙酸	400µg/mL	二氯乙酸	600µg/mL	
			溴二氯乙酸	400µg/mL	三溴乙酸	2000µg/mL	
			氯乙酸	600µg/mL	三氯乙酸	200µg/mL	
			氯二溴乙酸	1000µg/mL			
EPA 552.2 酯类校正混标(不含茅草枯)	47788	9种组分溶于甲基叔丁基醚	溴乙酸甲酯	400µg/mL	二溴乙酸甲酯	200µg/mL	1mL
			溴氯乙酸甲酯	400µg/mL	二氯乙酸甲酯	600µg/mL	
			溴二氯乙酸甲酯	400µg/mL	三溴乙酸甲酯	2000µg/mL	
			氯乙酸甲酯	600µg/mL	三氯乙酸甲酯	200µg/mL	
			氯二溴乙酸甲酯	1000µg/mL			

卤化物标准品

中文名称	订货号	规格	组分			包装
EPA 氯化烃混标	48229	CRM, 10种组分溶于己烷, 各组分浓度均为2000µg/mL	2-氯萘	六氯苯	六氯乙烷	1mL
			1, 2-二氯苯	六氯-1, 3-丁二烯	1, 2, 4, 5-四氯苯	
			1, 3-二氯苯	六氯环戊二烯	1, 2, 4-三氯苯	
			1, 4-二氯苯	六氯丁二烯	五氯苯	
EPA 8270 氯化烃混标	47926	13种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	2-氯萘	六氯环戊二烯	五氯乙烷	1mL
			1, 2-二氯苯	六氯乙烷	四氯苯	
			1, 3-二氯苯	六氯丙烯	1, 2, 4-三氯苯	
			1, 4-二氯苯	六氯苯		
			六氯苯			
EPA 卤化醚混标	48228-U	5种组分溶于己烷, 各组分浓度均为2000µg/mL	双(2-氯乙氧基)甲烷	双(2-氯异丙基)醚	4-氯苯基苯基醚	1mL
			双(2-氯乙基)醚	4-溴苯基苯基醚		
EPA 501/601三卤甲烷校正混标	CRM48140	CRM, 4种组分溶于甲醇, 各组分浓度均为2000µg/mL	溴二氯甲烷	氯仿		1mL
			二溴氯甲烷	溴仿		
EPA 卤化醚混标	48228-U	5种组分溶于己烷, 各组分浓度均为2000µg/mL	双(2-氯乙氧基)甲烷	4-溴联苯醚		1mL
			双(2-氯乙基)醚	4-氯二苯醚		
			双(2-氯异丙基)醚			

TCLP标准品

中文名称	订货号	规格	组分				包装
EPA TCLP 酸性混标	48142	CRM, 6种组分溶于甲醇, 各组分浓度均为1000µg/mL	邻甲酚	对甲酚	2, 4, 5-三氯苯酚		1mL
EPA 1311 碱性-中性混标	48947	6种组分溶于丙酮, 各组分浓度均为1000µg/mL	间甲酚	五氯苯酚	2, 4, 6-三氯苯酚		1mL
			2, 4-二硝基甲苯	六氯-1, 3-丁二烯	硝基苯		
			六氯苯	六氯乙烷	吡啶		
EPA TCLP 碱性中性二氯苯	47989-U	7种组分溶于丙酮, 各组分浓度均为1000µg/mL	1, 4-二氯苯	六氯-1, 3-丁二烯	硝基苯		1mL
			2, 4-二硝基甲苯	六氯乙烷	吡啶		
			六氯苯				
EPA TCLP 挥发物混标	48143	11种组分溶于甲醇, 各组分浓度均为1000µg/mL(注明的除外)	苯	1, 4-二氯苯	四氯乙烯		1mL
			四氯化碳	1, 2-二氯乙烷	三氯乙烯		
			氯苯	1, 1-二氯乙烯	氯乙烯		
			氯仿	2-丁酮	5000µg/mL		
EPA TCLP 除草剂混标	48141	CRM, 2种组分溶于乙腈, 各组分浓度均为1000µg/mL	2, 4-D甲酯	2, 4, 5-涕甲酯			1mL
EPA TCLP 杀虫剂混标	48139	5种组分溶于甲醇, 各组分浓度均为1000µg/mL	γ-六六六(林丹)	七氯	甲氧滴滴涕		1mL
			异狄氏剂	环氧七氯B			
EPA TCLP 杀虫剂混标	861349	5种组分溶于甲醇	异狄氏剂	25µg/mL	林丹	50µg/mL	1mL
			七氯	50µg/mL	甲氧滴滴涕	200µg/mL	
			环氧七氯	75µg/mL			
EPA TCLP 混标1	861426-U	6种组分溶于甲醇, 各组分浓度均为2000µg/mL	间甲酚	五氯苯酚			5x1mL
			对甲酚	2, 4, 5-三氯苯酚			
			2-甲基苯酚(Supelco 442361)	2, 4, 6-三氯苯酚			
EPA TCLP 混标2	861427-U	7种组分溶于丙酮, 各组分浓度均为2000µg/mL	1, 4-二氯苯	六氯乙烷			1mL
			2, 4-二硝基甲苯	硝基苯			
			六氯苯	三氟乙酸吡啶			
			六氯-1, 3-丁二烯				

EPA替代物标准品

中文名称	订货号	规格	组分				包装
EPA 8270酸替代混标	48875	CRM, 3种组分溶于甲醇, 各组分浓度均为2000µg/mL	2-氟苯酚	苯酚-d6	2, 4, 6-三溴苯酚		1mL
EPA 8270酸替代混标	47619-U	3种组分溶于甲醇, 各组分浓度均为1000µg/mL	2-氟苯酚	苯酚-d6	2, 4, 6-三溴苯酚		1mL
EPA 8270酸替代混标HC	47260-U	CRM, 3种组分溶于甲醇, 各组分浓度均为10000µg/mL	2-氟苯酚	苯酚-d6	2, 4, 6-三溴苯酚		1mL
EPA 8270碱/中性替代混标	47417	3种组分溶于二氯甲烷, 各组分浓度均为500µg/mL	2-氟联苯	硝基苯-d5	对三联苯-d14		10mL
EPA 8270碱/中性替代混标HC	47263	CRM, 3种组分溶于二氯甲烷, 各组分浓度均为5000µg/mL	2-氟联苯	硝基苯	对三联苯-d14		1mL
EPA 8270碱/中性替代混标	48925	CRM, 3种组分溶于二氯甲烷, 各组分浓度均为1000µg/mL	2-氟联苯	硝基苯-d5	对三联苯-d14		1mL
EPA 8270 碱/中性替代混标1	861252	3种组分溶于二氯甲烷(1:1), 各组分浓度均为2000µg/mL	2-氟联苯	硝基苯-d5	对三联苯-d14		100mL
EPA 8270 半挥发性酸/碱替代混标(低浓度)	861143	CRM, 8种组分溶于甲醇:二氯甲烷(98:2)	2-氯苯酚-3, 4, 5, 6-d4	硝基苯-d5	100µg/mL		100mL
			150µg/mL				
			1, 2-二氯苯-d4	100µg/mL	苯酚-d6	150µg/mL	
			2-氟联苯	100µg/mL	对三联苯-d14	100µg/mL	
			2-氟苯酚	150µg/mL	2, 4, 6-三溴苯酚	150µg/mL	
EPA 8270 半挥发性酸/碱替代混标(高浓度)	861142	8种组分溶于二氯甲烷	2-氯苯酚-3, 4, 5, 6-d4	硝基苯-d5	1000µg/mL		100mL
			1500µg/mL				
			1, 2-二氯苯-d4	1000µg/mL	苯酚-d6	1500µg/mL	
			2-氟联苯	1000µg/mL	对三联苯-d14	1000µg/mL	
			2-氟苯酚	1500µg/mL	2, 4, 6-三溴苯酚	1500µg/mL	
EPA 8270 替代混标	47960-U	6种组分, 溶二氯甲烷, 各组分浓度均为4000µg/mL	2-氟联苯	2-氟苯酚	硝基苯-d5		1mL
			苯酚-d6	对三联苯-d14	2, 4, 6-三溴苯酚		
EPA 8270 替代混标1	861155	CRM, 8种组分溶于二氯甲烷, 各组分浓度均为4000µg/mL	2-氯苯酚-3, 4, 5, 6-d4	硝基苯-d5			1mL
			1, 2-二氯苯-d4	苯酚-d6			
			2-氟联苯	对三联苯-d14			
			2-氟苯酚	2, 4, 6-三溴苯酚			

中文名称	订货号	规格	组分				包装
EPA 8080/8270杀虫剂替代混标 EPA 625/8270C	47903	CRM, 2种组分溶于己烷/甲苯(50/50), 各组分浓度均为2000µg/mL	氯菌酸二丁酯		2, 4, 5, 6-四氯间二甲苯		1mL
SV替代混标(含指示剂)	44671-U	6种组分溶于甲醇	2-氟联苯	100µg/mL	苯酚-d5	200µg/mL	25mL
			2-氟苯酚	200µg/mL	对三联苯-d14	100µg/mL	
			硝基苯-d5	100µg/mL	2, 4, 6-三溴苯酚		

EPA TCL标准品

中文名称	订货号	规格	组分			包装
EPA TCL 毒性物质混标2	48908	CRM, 8种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	苯胺	2-甲基萘		1mL
			苄醇	2-硝基苯胺		
			4-氯苯胺	3-硝基苯胺		
			二苯并呋喃	4-硝基苯胺		
EPA TCL 碱性/中性混标1	48900-U	CRM, 14种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	双(2-氯乙氧基)甲烷	邻苯二甲酸二乙酯		1mL
			双(2-氯乙基)醚	邻苯二甲酸二甲酯		
			双(2-氯异丙基)醚	邻苯二甲酸二正丁酯		
			双(2-乙基己基)邻苯二甲酸酯	邻苯二甲酸二正辛酯		
			4-溴联苯醚	N-亚硝基二甲胺		
			邻苯二甲酸丁苄酯	N-亚硝基二正丙胺		
			4-氯联苯醚	N-亚硝基二苯基胺		
TCL 毒性物质混标	47990-U	CRM, 12种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	苯胺	邻甲酚	2-硝基苯胺	1mL
			苯甲酸	对甲酚	3-硝基苯胺	
			苄醇	二苯并呋喃	4-硝基苯胺	
			4-氯苯胺	2-甲基萘	2, 4, 5-三氯苯酚	
TCL碱性/中性混标	47991-U	CRM, 29种组分溶于二氯甲烷, 各组分浓度均为2000µg/mL	偶氮苯	2, 4-二硝基甲苯	2-氯萘	1mL
			双(2-氯乙氧基)甲烷	2, 6-二硝基甲苯		
			双(2-氯乙基)醚	邻苯二甲酸二正丁酯		
			双(2-氯异丙基)醚	邻苯二甲酸二正辛酯		
			邻苯二甲酸二(2-乙基己基)酯	六氯苯		
			4-溴苯基苯基醚	六氯-1, 3-丁二烯		
			邻苯二甲酸丁酯苯酯	六氯环戊二烯		
			吡啶	六氯乙烷		
			邻苯二甲酸二甲酯	异佛尔酮		
			4-氯苯基苯基醚	硝基苯		
			1, 2-二氯苯	N-亚硝基二甲胺		
			1, 3-二氯苯	N-亚硝基二正丙胺		
			1, 4-二氯苯	N-亚硝基二苯基胺		
			邻苯二甲酸二乙酯	1, 2, 4-三氯苯		

土溴素相关标准品

中文名称	英文名称	订货号	规格	包装
土溴素(GSM)	(±)-Geosmin	CRM47522	CRM, 100µg/mL溶于甲醇	1mL
2-甲基异茨醇(2-MIB)	2-Methylisoborneol	CRM47523	CRM, 100µg/mL溶于甲醇	1mL
土溴素和2-甲基异茨醇溶液	(±)-Geosmin and 2-Methylisoborneol	CRM47525	CRM, 100µg/mL溶于甲醇	1mL
2, 4, 6-三氯苯甲醚(TCA)	2, 4, 6-Trichloroanisole	47526-U	CRM, 100µg/mL溶于甲醇	1mL
2-异丙基-3-甲氧基吡嗪(IPMP)	2-Isopropyl-3-methoxypyrazine	47527-U	CRM	1mL
2-异丁基-3-甲氧基吡嗪(IBMP)	2-Isobutyl-3-methoxypyrazine	47528-U	CRM	1mL

饮用水中臭味标准品

中文名称	英文名称	订货号	规格	包装
土臭素(GSM)溶液	(±)-Geosmin solution	CRM47522	CRM, 100µg/mL溶于甲醇	1mL
2-甲基异茨醇(2-MIB)溶液	2-Methylisoborneol solution	CRM47523	CRM, 100µg/mL溶于甲醇	1mL
土臭素和2-甲基异茨醇混标	(±)-Geosmin and 2-Methylisoborneol Solution	CRM47525	CRM, 100µg/mL溶于甲醇	1mL
2, 4, 6-三氯苯甲醚(TCA)溶液	2, 4, 6-Trichloroanisole solution	47526-U	CRM, 100µg/mL溶于甲醇	1mL
2-异丙基-3-甲氧基吡嗪(IPMP)溶液	2-Isopropyl-3-methoxypyrazine solution	47527-U	CRM, 100µg/mL溶于甲醇	1mL
2-异丁基-3-甲氧基吡嗪(IBMP)溶液	2-Isobutyl-3-methoxypyrazine solution	47528-U	CRM, 100µg/mL溶于甲醇	1mL

饮用水臭味标准品套装

中文名称	订货号	规格	组分	包装
饮用水臭味标准品套装	47529-U	6种组分, 独立包装	土臭素(GSM)溶液, 100µg/mL溶于甲醇(47522-U)	1mL
			2-甲基异莰醇(2-MIB)溶液, 100µg/mL溶于甲醇(47523-U)	
			土臭素和2-甲基异莰醇混标, 100µg/mL溶于甲醇(47525-U)	
			2, 4, 6-三氯苯甲醚(TCA)溶液, 100µg/mL溶于甲醇(47526-U)	
			2-异丙基-3-甲氧基吡嗪(IPMP)溶液, 100µg/mL溶于甲醇(47527-U)	
			2-异丁基-3-甲氧基吡嗪(IBMP)溶液, 100µg/mL溶于甲醇(47528-U)	

饮用水中的臭味检测的色谱分析耗材

订货号	中文名称	描述	包装
57348-U	StableFlex™ 2CM SPME萃取头	50/30um DVB/CAR/PDMS, 2cm	3支/盒
57330-U	SPME 手动进样手柄	/	1EA
28471-U	SLB-5MS GC/MS色谱柱	30m×0.25mm×0.25um	1EA

藻毒素标准品

中文名称	英文名称	订货号	规格	包装
微囊藻毒素-LR(MC-LR)溶液	Microcystin-LR solution	33893	analytical standard, 10µg/mL溶于甲醇	1mL
微囊藻毒素-LF(MC-LF)溶液	Microcystin-LF solution	33762	analytical standard, 5-8µg/mL溶于甲醇	1mL
微囊藻毒素-LW(MC-LW)溶液	Microcystin-LW solution	33763	analytical standard, 5-8µg/mL溶于甲醇	1mL
微囊藻毒素-LY(MC-LY)溶液	Microcystin-LY solution	33759	analytical standard, 5-8µg/mL溶于甲醇	1mL
微囊藻毒素-RR(MC-RR)溶液	Microcystin-RR solution	33577	analytical standard, 10µg/mL溶于甲醇	1mL
微囊藻毒素-YR(MC-YR)溶液	Microcystin-YR solution	33576	analytical standard, 10µg/mL溶于甲醇	1mL
微囊藻毒素-RR-YR-LR溶液(混标)	Microcystin RR-YR-LR solution	33578	analytical standard, 5µg/mL溶于甲醇	1mL

藻毒素测定的色谱分析耗材

订货号	中文名称	描述	包装
57064	Supelclean ENVI-18 SPE小柱	500mg/6mL	30支/盒
57114	Supelclean ENVI-18 SPE小柱	2g/12mL	30支/盒
581325-U	ASCENTIS C18 液相色谱柱	5um, 25cm X 4.6mm	1EA

偶氮染料标准品

中文名称	英文名称	订货号	规格	包装
4-氨基联苯	4-Aminobiphenyl	31598-250MG	analytical standard	250mg
联苯胺	Benzidine	31614-100MG	analytical standard	100mg
4-氯-2-甲基苯胺	4-Chloro-2-methylaniline	46282-250MG	analytical standard	250mg
2-萘胺	2-Naphthylamine	31618-100MG	analytical standard	100mg
4-氨基-2,3'-二甲基偶氮苯 (邻氨基偶氮甲苯)	4'-Amino-2,3'-dimethylazobenzene (o-Aminoazotoluene)	31629-250MG	analytical standard	250mg
2-氨基-4-硝基甲苯	2-Amino-4-nitrotoluene	442423	analytical standard	1g
2,4-二氨基苯甲醚	2,4-Diaminoanisole	32831-100MG	analytical standard	100mg
4-氯苯胺	4-Chloroaniline	35823-1G	analytical standard	1g
4,4'-二氨基二苯甲烷	4,4'-Diaminodiphenylmethane	31640-250MG	analytical standard	250mg
3,3'-二氯联苯胺	3,3'-Dichlorobenzidine	48525	analytical standard	100mg
3,3'-二甲基联苯胺	3,3'-Dimethylbenzidine	31659-100MG	analytical standard	100mg
3,3'-二甲基-4,4'-二氨基二苯甲烷	4,4'-Diamino-3,3'-dimethyldiphenylmethane	46106-100MG	analytical standard	100mg
2-甲氧基-5-甲基苯胺	2-Methoxy-5-methylaniline	46111-250MG	analytical standard	250mg
4,4'-亚甲基-二(2-氯苯胺)	4,4'-Methylene-bis(2-chloroaniline)	66681-250MG	analytical standard	250mg
4,4'-二氨基二苯醚	4,4'-Oxydianiline	46117-250MG-R	analytical standard	250mg
4,4'-二氨基二苯硫醚	4,4'-Thiodianiline	32955-250MG	analytical standard	250mg
2-甲基苯胺	o-Toluidine	45979-250MG	analytical standard	250mg
2,4-二氨基甲苯	2,4-Diaminotoluene	45922-250MG	analytical standard	250mg
2,4,5-三甲基苯胺	2,4,5-Trimethylaniline	31039-2ML	analytical standard, 100 µg/mL溶于乙腈	2ml
2-甲氧基苯胺	o-Anisidine(2-Methoxyaniline)	31597-250MG	analytical standard	250mg
4-氨基偶氮苯	4-Aminoazobenzene	46130-250MG-R	analytical standard	250mg
2,4-二甲基苯胺	2,4-Dimethylaniline	442315	analytical standard	1g
2,6-二甲基苯胺	2,6-Dimethylaniline	442327	analytical standard	1g

其他标准品

中文名称	订货号	规格	组分	包装
EPA 8270 LCS混标1	46853-U	78种组分溶于丙酮:二氯甲烷(9:1),各组分浓度均为100µg/mL	萘	1, 2-二硝基苯
			萘烯	1, 3-二硝基苯
			苯胺	1, 4-二硝基苯
			蒽	2, 4-二硝基苯酚
			偶氮苯	2, 4-二硝基甲苯
			苯并[a]蒽	2, 6-二硝基甲苯
			苯并(b)蒽	邻苯二甲酸二辛酯
			苯并(k)蒽	蒽
			苯并[ghi]花	芴
			苯甲酸	六氯苯
			苯并(a)芘	六氯-1, 3-丁二烯
			苯甲醇	六氯环戊二烯
			邻苯二甲酸丁基苄酯	六氯乙烷
			双(2-氯乙氧基)甲烷	茚并[1, 2, 3-cd]芘
			双(2-氯乙基)醚	异佛尔酮
			己二酸二(2-乙基己)酯	2-甲基-4, 6-二硝基苯酚
			邻苯二甲酸二(2-乙基己)酯	1-甲基萘
			4-溴联苯醚	2-甲基萘
			吡啶	邻甲酚
			4-氯苯胺	萘
			4-氯二苯醚	2-硝基苯胺
			双(2-氯异丙基)醚	3-硝基苯胺
			4-氯-3-甲基苯酚	4-硝基苯胺
			2-氯萘	硝基苯
			2-氯苯酚	2-硝基苯酚
			屈	4-硝基苯酚
			间甲酚	N-二甲基亚硝酸胺
			对甲酚	N-亚硝基二苯胺
			二苯并(a, h)蒽	N-亚硝基二丙胺
			二苯并呋喃	五氯苯酚
			邻苯二甲酸二丁酯	菲
			1, 2-二氯苯	苯酚
			1, 3-二氯苯	芘
			1, 4-二氯苯	吡啶
			3, 3'-二氯联苯胺	2, 3, 4, 6-四氯苯酚
			2, 4-二氯苯酚	2, 3, 5, 6-四氯苯酚
			邻苯二甲酸二乙酯	1, 2, 4-三氯苯
			2, 4-二甲苯基酚	2, 4, 5-三氯苯酚
			邻苯二甲酸二甲酯	2, 4, 6-三氯苯酚
EPA 625 碱性/中性混标1	48831	CRM, 12种组分溶于二氯甲烷,各组分浓度均为200µg/mL	萘烯	1, 4-二氯苯
			苯并(b)蒽	3, 3'-二氯联苯胺
			4-溴联苯醚	邻苯二甲酸二甲酯
			邻苯二甲酸双(2-乙基己醇)酯	邻苯二甲酸二正丁酯
			双(2-氯异丙基)醚	2, 6-二硝基甲苯
EPA 625 碱性/中性混标2	48832	CRM, 15种组分溶于二氯甲烷,各组分浓度均为200µg/mL	双(2-氯乙基)醚	硝基苯
			萘	二苯并(a, h)蒽
			蒽	1, 2-二氯苯
			苯并(a)蒽	六氯苯
			双(2-氯乙氧基)甲烷	六氯丁二烯
EPA 625 碱性/中性混标3	48833	CRM, 11种组分溶于二氯甲烷,各组分浓度均为200µg/mL	萘	邻苯二甲酸二乙酯
			偶氮苯	萘
			蒽	2, 4-二硝基甲苯
			2-氯萘	N-亚硝基二甲胺
			N-亚硝基二正丙胺	菲
EPA 625 碱性/中性混标4	48834	8种组分溶于二氯甲烷,各组分浓度均为200µg/mL	联苯胺	1, 2, 4-三氯苯
			苯并(a)芘	邻苯二甲酸丁醇苄醇酯
			苯并(ghi)花	4-氯二苯醚
			苯并(k)蒽	邻苯二甲酸二正辛酯
				茚并(1, 2, 3-cd)芘
				N-亚硝基二甲胺

环境基质标准品 - 灰、颗粒物和灰尘

订购号	产品信息	包装
BCR038	煤粉飞灰 - 微量元素 Fly ash from pulverised coal (trace elements) BCR® Certified reference material (Sigma-Aldrich) Certified values As 48.0 mg/kg Cu 176 mg/kg Na 3740 mg/kg Cd 4.6 mg/kg F..... 538 mg/kg Pb 262 mg/kg Cl 323 mg/kg Fe 33800mg/kg Zn..... 581 mg/kg Co 53.8 mg/kg Hg..... 2.10 mg/kg Cr 192 mg/kg Mn..... 479 mg/kg Indicative values for Ni, Th, V	5 g
BCR176R	飞灰 - 微量元素 Fly ash (Trace elements) BCR® Certified reference material (Sigma-Aldrich) The CRM was prepared from a fly ash collected in the electrostatic filters of a city waste incineration plant. Compound Certified value Uncertainty 	

订货号	产品信息	包装
CRM012-100G	工业焚烧炉灰 - 微量金属元素 Trace Metals - Industrial incinerator ash (Fly Ash 2) Certified reference material, pkg of 100 g (Sigma-Aldrich) Lot AR12 Certified values Ag..... 54.8 ± 1.47 mg/kg K 73300 ± 866 mg/kg Al..... 2160 ± 30.8 mg/kg Mg..... 1510 ± 30.5 mg/kg Ba..... 18.7 ± 0.372 mg/kg Mn 202 ± 2.71 mg/kg Ca 2110 ± 34.2 mg/kg Na..... 29200 ± 382 mg/kg Cd 362 ± 5.92 mg/kg Ni 13300 ± 150 mg/kg Cr (total) 162000 ± 2044 mg/kg Pb 120 ± 6.26 mg/kg Cu 3020 ± 46.7 mg/kg Zn 635 ± 9.48 mg/kg Fe 28700 ± 423 mg/kg Informational values Co 4 mg/kg V 51.8 mg/kg	100 g
CRM013-50G	油漆碎片 - 微量金属元素 Trace Metals - Paint Chips LRAB1339 Certified values Cd 37.8 ± 1.21 mg/kg Cr (total) 618 ± 12.0 mg/kg Pb 643 ± 13.1 mg/kg	50 g
CRM014-50G	集尘灰 - 微量金属元素 Trace Metals - Baghouse Dust Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot 021751 Certified values Al 6610 ± 497 mg/kg Fe 6130 ± 738 mg/kg As 4.83 ± 0.511 mg/kg K 546 ± 59.2 mg/kg Ba..... 1880 ± 52.8 mg/kg Mg 807 ± 79.5 mg/kg Ca 3980 ± 128 mg/kg Mn 98.6 ± 4.94 mg/kg Cd 495 ± 14.8 mg/kg Na..... 842 ± 53.1mg/kg Cr (total) 2180 ± 69.4 mg/kg Pb 1910 ± 69.7 mg/kg Cu 92.7 ± 5.82 mg/kg Zn..... 3010 ± 154 mg/kg	50 g
CRM017-20G	粉末涂料 - 微量金属元素 Trace Metals - Powdered Paint 1 LRAA9759 Certified values Pb 6870 ± 642 mg/kg	20 g
CRM050-20G	粉末涂料 - Pb Lead Free Paint - Powdered LRAB3777 Certified values Pb < 0.01 mg/kg Cr (total) < 0.1 mg/kg Cd < 0.1 mg/kg	20 g
CRM019-50G	粉煤灰3 - 微量金属元素 Trace Metals - Fly Ash 3 Certified reference material, pkg of 50 g (Sigma-Aldrich) Certified values As..... 77.2 mg/kg Ba 352 mg/kg Cd 432 mg/kg Cr (total)..... 55.2 mg/kg Cu 279 mg/kg Pb 4540 mg/kg Mg..... 6310 mg/kg Ni 22.2 mg/kg Se 4.11 mg/kg Ag 7.35 mg/kg V 28.9 mg/kg Zn..... 22400 mg/kg	50 g

订货号	产品信息	包装
CRM205-225G	灰1 - TCLP 金属元素 TCLP Metals - Ash 1 Certified reference material, pkg of 225 g (Sigma-Aldrich) Certified values As..... 35.2 mg/L Ba 0.0600 mg/L Cd 115 mg/L Cr (total)..... 1.17 mg/L Pb 155 mg/L	225 g
ERMZ120	粉尘 (PM10等) - 砷、镉、铅和铊 Fine dust (PM10-like) - As, Cd, Pb and Ni ERM® Certified reference material (Sigma-Aldrich) PM10 (particulate matter of 10 µm and less aerodynamic diameter) Certified values Arsenic (As) 7.1 ± 0.7 mg/kg Lead (Pb) 113 ± 17 mg/kg Cadmium (Cd) 0.90 ± 0.22 mg/kg Nickel (Ni) 58 ± 7 mg/kg Indicative values for further elements.	0.5 g
ERMEB504	汽车用催化剂 - 铂、钯、铑 Pt, Pd and Rh in used automobile catalyst - powder ERM®Certified reference material (Sigma-Aldrich) Certified values Pt..... 1777 ± 15 mg/kg Pd 279 ± 6 mg/kg Rh 338 ± 4 mg/kg	250 g
NIST1648A	城市颗粒物 - 组成元素 Urban particulate matter - Constituent elements NIST®SRM®1648a (Sigma-Aldrich) Certified values Al 3.42 % Cr 402 mg/kg Pb..... 0.655 % As 115 mg/kg Cu 610 mg/kg Rb 51.0 mg/kg Br 502 mg/kg Fe 3.92 % S..... 5.51 % Ca 5.84 % K 1.056 % Sb..... 45.4 mg/kg Cd 75 mg/kg Mg 0.813 % Sr 215 mg/kg Ce 54.6 mg/kg Mn 790 mg/kg Ti 4021 mg/kg Cl 4543 mg/kg Na 4240 mg/kg V..... 127 mg/kg Co 17.93 mg/kg Ni 81.1 mg/kg Zn 4800 mg/kg Indicative values for Ag, B, Cs, La, Se, Si, Sm and W	2 g
BCR490	飞灰 (二噁英-PCDD、呋喃-PCDF) Fly ash (Dioxins and furans) BCR®Certified reference material (Sigma-Aldrich) Compound Certified value Uncertainty (ug/kg) (ug/kg) 2,3,7,8-TCDD 0.169..... 0.012 1,2,3,7,8-PeCDD0.67..... 0.04 1,2,3,4,7,8-HxCDD 0.95..... 0.11 1,2,3,6,7,8-HxCDD 4.8..... 0.4 1,2,3,7,8,9-HxCDD 2.84..... 0.17 2,3,7,8-TCDF 0.90..... 0.05 1,2,3,7,8-PeCDF1.71..... 0.12 2,3,4,7,8-PeCDF 1.8..... 0.11 1,2,3,4,7,8-HxCDF 2.37..... 0.12 1,2,3,6,7,8-HxCDF2.64..... 0.14 1,2,3,7,8,9-HxCDF 0.34..... 0.05 2,3,4,6,7,8-HxCDF 2.47..... 0.17	30 g
BCR615	飞灰 (低含量 二噁英-PCDD、呋喃-PCDF) Fly ash (Dioxins and furans) BCR® Certified reference material (Sigma-Aldrich) Certified values 2,3,7,8-T4CDD (D48) 27 pg/g 2,3,4,7,8-P5CDF (F1)..... 125 pg/g 1,2,3,7,8-P5CDD (D54) 92 pg/g 1,2,3,4,7,8-H6CDF (F118) 203 pg/g 1,2,3,4,7,8-H6CDD (D66)..... 74 pg/g 1,2,3,6,7,8-H6CDF (F..... 204 pg/g 1,2,3,6,7,8-H6CDD (D67)..... 103 pg/g 1,2,3,7,8,9-H6CDF (F124)..... 13.3 pg/g 1,2,3,7,8,9-H6CDD (D70)..... 108 pg/g 2,3,4,6,7,8-H6CDF (F13)..... 130 pg/g 1,2,3,4,6,7,8-H7CDD (D73)..... 0.87 x 10 ³ pg/g 1,2,3,4,6,7,8-H7CDF (F131).. 0.75 x 10 ³ pg/g O8CDD (D75) 1.75 x 10 ³ pg/g 1,2,3,4,7,8,9-H7CDF (F134)..... 61 pg/g 2,3,7,8-T4CDF (F83) 86 pg/g O8CDF (F135) 0.29 x 10 ³ pg/g 1,2,3,7,8-P5CDF (F94) 176 pg/g	50 g

订货号	产品信息	包装																																							
BCR545	装有电焊粉尘的过滤器 [含有 Cr(VI), Cr] Welding dust loaded on filter BCR® Certified reference material (Sigma-Aldrich) Certified values Cr (VI) 40.2 g/kg total leachable Cr 39.5 g/kg	each																																							
BCR605	城市灰尘 - 三甲基铅 Urban dust (Trimethyllead) BCR® Certified reference material (Sigma-Aldrich) Certified value Trimethyllead7.9 µg/kg	15 g																																							
ERMZ100	粉尘 (PM10等) - 多环芳烃 Fine dust (PM10-like) – PAHs ERM® Certified reference material (Sigma-Aldrich) PM10 (particulate matter of 10 µm and less aerodynamic diameter) Certified values Benzo[a]anthracene0.91 ± 0.07 mg/kg Benzo[a]pyrene 0.72 ± 0.05 mg/kg Benzo[b]fluoranthene 1.42 ± 0.14 mg/kg Benzo[j]fluoranthene.....0.75 ± 0.14 mg/kg Benzo[k]fluoranthene..... 0.67 ± 0.06 mg/kg Dibenzo[a,h]anthracene 0.18 ± 0.04 mg/kg Indeno[1,2,3,-c-d]pyrene1.07 ± 0.10 mg/kg Sum of benzo[b]fluoranthene2.84 ± 0.21 mg/kg benzo[k]fluoranthene and benzo[j]fluoranthene Indicative values for further PAHs	0.5 g																																							
NIST1649B	城市灰尘 - 有机污染物 Urban dust - Organic contaminants NIST® SRM® 1649b (Sigma-Aldrich) This Standard Reference Material® (SRM®) is an atmospheric particulate material collected in an urban area and is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and chlorinated pesticides in atmospheric particulate material and similar matrices. Reference values are also provided for nitro-substituted polycyclic aromatic hydrocarbons (nitro-PAHs), decabromodiphenyl ether, toxaphene congeners, and polychlorinated dibenzo-p-dioxin and dibenzofuran congeners. Information concentration values are provided for selected hydrocarbons, hopanes, steranes, ketones, and particle-size characteristics. All of the constituents for which certified, reference, and information values are provided in NIST-1649B are naturally present in the particulate material. Certified concentrations for selected PAHs <table><tr><th>Mass fraction (mg/kg)</th><th>Mass fraction (mg/kg)</th></tr><tr><td>Phenanthrene 3.941 ± 0.047</td><td>Benzo[e]pyrene..... 2.970 ± 0.043</td></tr><tr><td>4H-Cyclopenta[def]phenanthrene..... 0.252 ± 0.018</td><td>Benzo[a]pyrene..... 2.47 ± 0.17</td></tr><tr><td>Fluoranthene6.14 ± 0.12</td><td>Perylene0.606 ± 0.013</td></tr><tr><td>Pyrene4.784 ± 0.029</td><td>Benzo[ghi]perylene3.937 ± 0.052</td></tr><tr><td>Benzo[ghi]fluoranthene0.885 ± 0.015</td><td>Indeno[1,2,3-cd]pyrene2.96 ± 0.17</td></tr><tr><td>Benzo[c]phenanthrene0.449 ± 0.014</td><td>Anthanthrene 0.509 ± 0.014</td></tr><tr><td>Benz[a]anthracene2.092 ± 0.048</td><td>Dibenz[a,c]anthracene0.212 ± 0.017</td></tr><tr><td>Chrysene3.008 ± 0.044</td><td>Dibenz[a,h]anthracene0.290 ± 0.004</td></tr><tr><td>Triphenylene1.244 ± 0.052</td><td>Picene 0.390 ± 0.028</td></tr><tr><td>Benzo[b]fluoranthene5.99 ± 0.20</td><td>Dibenzo[b,k]fluoranthene.....0.655 ± 0.035</td></tr><tr><td>Benzo[j]fluoranthene1.731 ± 0.083</td><td>Dibenzo[a,e]pyrene0.538 ± 0.024</td></tr><tr><td>Benzo[k]fluoranthene1.748 ± 0.083</td><td></td></tr></table> Certified concentrations for selected PCB congeners <table><tr><th>Mass fraction (µg/kg)</th></tr><tr><td>PCB 49..... 2,2',4,5'-Tetrachlorobiphenyl 8.92 ± 1.0</td></tr><tr><td>PCB 52..... 2,2',5,5'-Tetrachlorobiphenyl 23.7 ± 3.6</td></tr><tr><td>PCB 101..... 2,2',4,5,5'-Pentachlorobiphenyl.....55.1 ± 5.1</td></tr><tr><td>PCB 105..... 2,3,3',4,4'-Pentachlorobiphenyl..... 9.7 ± 1.0</td></tr><tr><td>PCB 110..... 2,3,3',4',6-Pentachlorobiphenyl.....32.9 ± 3.0</td></tr><tr><td>PCB 149..... 2,2',3,4',5',6-Hexachlorobiphenyl 77.5 ± 2.1</td></tr><tr><td>PCB 151..... 2,2',3,5,5',6-Hexachlorobiphenyl 32.6 ± 2.1</td></tr><tr><td>PCB 153..... 2,2',4,4',5,5'-Hexachlorobiphenyl 74.8 ± 1.0</td></tr><tr><td>PCB 163..... 2,3,3',4',5,6-Hexachlorobiphenyl21.69 ± 0.33</td></tr><tr><td>PCB 183..... 2,2',3,4,4',5',6-Heptachlorobiphenyl.....16.80 ± 0.85</td></tr><tr><td>PCB 187..... 2,2',3,4',5,5',6-Heptachlorobiphenyl..... 38.5 ± 2.9</td></tr><tr><td>PCB 194..... 2,2',3,3',4,4',5,5'-Octachlorobiphenyl27.8 ± 1.6</td></tr></table>	Mass fraction (mg/kg)	Mass fraction (mg/kg)	Phenanthrene 3.941 ± 0.047	Benzo[e]pyrene..... 2.970 ± 0.043	4H-Cyclopenta[def]phenanthrene..... 0.252 ± 0.018	Benzo[a]pyrene..... 2.47 ± 0.17	Fluoranthene6.14 ± 0.12	Perylene0.606 ± 0.013	Pyrene4.784 ± 0.029	Benzo[ghi]perylene3.937 ± 0.052	Benzo[ghi]fluoranthene0.885 ± 0.015	Indeno[1,2,3-cd]pyrene2.96 ± 0.17	Benzo[c]phenanthrene0.449 ± 0.014	Anthanthrene 0.509 ± 0.014	Benz[a]anthracene2.092 ± 0.048	Dibenz[a,c]anthracene0.212 ± 0.017	Chrysene3.008 ± 0.044	Dibenz[a,h]anthracene0.290 ± 0.004	Triphenylene1.244 ± 0.052	Picene 0.390 ± 0.028	Benzo[b]fluoranthene5.99 ± 0.20	Dibenzo[b,k]fluoranthene.....0.655 ± 0.035	Benzo[j]fluoranthene1.731 ± 0.083	Dibenzo[a,e]pyrene0.538 ± 0.024	Benzo[k]fluoranthene1.748 ± 0.083		Mass fraction (µg/kg)	PCB 49..... 2,2',4,5'-Tetrachlorobiphenyl 8.92 ± 1.0	PCB 52..... 2,2',5,5'-Tetrachlorobiphenyl 23.7 ± 3.6	PCB 101..... 2,2',4,5,5'-Pentachlorobiphenyl.....55.1 ± 5.1	PCB 105..... 2,3,3',4,4'-Pentachlorobiphenyl..... 9.7 ± 1.0	PCB 110..... 2,3,3',4',6-Pentachlorobiphenyl.....32.9 ± 3.0	PCB 149..... 2,2',3,4',5',6-Hexachlorobiphenyl 77.5 ± 2.1	PCB 151..... 2,2',3,5,5',6-Hexachlorobiphenyl 32.6 ± 2.1	PCB 153..... 2,2',4,4',5,5'-Hexachlorobiphenyl 74.8 ± 1.0	PCB 163..... 2,3,3',4',5,6-Hexachlorobiphenyl21.69 ± 0.33	PCB 183..... 2,2',3,4,4',5',6-Heptachlorobiphenyl.....16.80 ± 0.85	PCB 187..... 2,2',3,4',5,5',6-Heptachlorobiphenyl..... 38.5 ± 2.9	PCB 194..... 2,2',3,3',4,4',5,5'-Octachlorobiphenyl27.8 ± 1.6	2 g
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订货号	产品信息	包装																																																																								
	PCB 206..... 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl 16.6 ± 1.2 Certified concentrations for selected chlorinated pesticides <table><tr><td>Chlorinated pesticides</td><td>Mass fraction in µg/kg</td><td>Chlorinated pesticides</td><td>Mass fraction in µg/kg</td></tr><tr><td>trans-Chlordane (γ-Chlordane)</td><td>50.7 ± 5.1</td><td>4,4'-DDE</td><td>49.5 ± 1.3</td></tr><tr><td>trans-Nonachlor</td><td>33.0 ± 3.5</td><td>4,4'-DDD</td><td>36.8 ± 1.9</td></tr></table> Reference values for PAHs, nitro-substituted PAHs, PCBs, pesticides incl. toxaphene, decabromodiphenyl ether, dibenzo-p-dioxin and dibenzofuran congeners.	Chlorinated pesticides	Mass fraction in µg/kg	Chlorinated pesticides	Mass fraction in µg/kg	trans-Chlordane (γ-Chlordane)	50.7 ± 5.1	4,4'-DDE	49.5 ± 1.3	trans-Nonachlor	33.0 ± 3.5	4,4'-DDD	36.8 ± 1.9																																																													
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NIST1650B	柴油颗粒物 - 多环芳烃和硝基多环芳烃 Diesel particulate matter - PAHs and nitro-PAHs NIST® SRM® 1650b (Sigma-Aldrich) Certified concentrations for selected PAHs in NIST-1650B <table><tr><td>Naphthalene</td><td>5.07 ± 0.43 mg/kg</td><td>Triphenylene</td><td>9.17 ± 0.94 mg/kg</td></tr><tr><td>1-Methylnaphthalene</td><td>1.51 ± 0.12 mg/kg</td><td>Benzo(a)fluoranthene</td><td>0.370 ± 0.029 mg/kg</td></tr><tr><td>2-Methylnaphthalene</td><td>3.05 ± 0.56 mg/kg</td><td>Benzo(b)fluoranthene</td><td>6.77 ± 0.84mg/kg</td></tr><tr><td>Phenanthrene</td><td>69.5 ± 1.9 mg/kg</td><td>Benzo(j)fluoranthene</td><td>3.24 ± 0.42 mg/kg</td></tr><tr><td>Anthracene</td><td>7.67 ± 0.47 mg/kg</td><td>Benzo(k)fluoranthene</td><td>2.37 ± 0.21 mg/kg</td></tr><tr><td>1-Methylphenanthrene</td><td>28.3 ± 1.5 mg/kg</td><td>Benzo(a)pyrene</td><td>1.17 ± 0.09 mg/kg</td></tr><tr><td>2-Methylphenanthrene</td><td>70.7 ± 2.7 mg/kg</td><td>Benzo(e)pyrene</td><td>6.30 ± 0.50 mg/kg</td></tr><tr><td>3-Methylphenanthrene</td><td>55.1 ± 1.9 mg/kg</td><td>Perylene</td><td>0.165 ± 0.032 mg/kg</td></tr><tr><td>9-Methylphenanthrene</td><td>35.1 ± 1.9 mg/kg</td><td>Benzo(ghi)perylene</td><td>5.91 ± 0.18 mg/kg</td></tr><tr><td>Fluoranthene</td><td>47.3 ± 0.8 mg/kg</td><td>Indeno(1,2,3-cd)pyrene</td><td>4.44 ± 0.28 mg/kg</td></tr><tr><td>Pyrene</td><td>43.4 ± 1.6 mg/kg</td><td>Dibenz(a,c)anthracene</td><td>0.438 ± 0.043 mg/kg</td></tr><tr><td>Benzo(ghi)fluoranthene</td><td>10.8 ± 1.0 mg/kg</td><td>Dibenz(a,h)anthracene</td><td>0.365 ± 0.071 mg/kg</td></tr><tr><td>Benzo(c)phenanthrene</td><td>2.51 ± 0.29 mg/kg</td><td>Dibenz(a,j)anthracene</td><td>87 ± 0.051 mg/kg</td></tr><tr><td>Benz(a)anthracene</td><td>6.18 ± 0.30 mg/kg</td><td>Benzo(b)chrysene.....</td><td>0.290 ± 0.020 mg/kg</td></tr><tr><td>Chrysene</td><td>13.3 ± 1.1 mg/kg</td><td>Picene</td><td>0.499 ± 0.061 mg/kg</td></tr></table> Certified concentrations for selected nitro-PAHs in NIST-1650B <table><tr><td>9-Nitroanthracene</td><td>5890 ± 310 µg/kg</td><td>6-Nitrochrysene</td><td>45.5 ± 1.9 µg/kg</td></tr><tr><td>1-Nitropyrene</td><td>18200 ± 200 µg/kg</td><td>6-Nitrobenzo(a)pyrene</td><td>1390 ± 100 µg/kg</td></tr><tr><td>7-Nitrobenz(a)anthracene</td><td>967 ± 42 µg/kg</td><td>1,6-Dinitropyrene</td><td>84.0 ± 3.0 µg/kg</td></tr></table> Reference values for selected PAHs, Nitro-PAHs. Indicative values for for particle-size characteristics and specific surface area	Naphthalene	5.07 ± 0.43 mg/kg	Triphenylene	9.17 ± 0.94 mg/kg	1-Methylnaphthalene	1.51 ± 0.12 mg/kg	Benzo(a)fluoranthene	0.370 ± 0.029 mg/kg	2-Methylnaphthalene	3.05 ± 0.56 mg/kg	Benzo(b)fluoranthene	6.77 ± 0.84mg/kg	Phenanthrene	69.5 ± 1.9 mg/kg	Benzo(j)fluoranthene	3.24 ± 0.42 mg/kg	Anthracene	7.67 ± 0.47 mg/kg	Benzo(k)fluoranthene	2.37 ± 0.21 mg/kg	1-Methylphenanthrene	28.3 ± 1.5 mg/kg	Benzo(a)pyrene	1.17 ± 0.09 mg/kg	2-Methylphenanthrene	70.7 ± 2.7 mg/kg	Benzo(e)pyrene	6.30 ± 0.50 mg/kg	3-Methylphenanthrene	55.1 ± 1.9 mg/kg	Perylene	0.165 ± 0.032 mg/kg	9-Methylphenanthrene	35.1 ± 1.9 mg/kg	Benzo(ghi)perylene	5.91 ± 0.18 mg/kg	Fluoranthene	47.3 ± 0.8 mg/kg	Indeno(1,2,3-cd)pyrene	4.44 ± 0.28 mg/kg	Pyrene	43.4 ± 1.6 mg/kg	Dibenz(a,c)anthracene	0.438 ± 0.043 mg/kg	Benzo(ghi)fluoranthene	10.8 ± 1.0 mg/kg	Dibenz(a,h)anthracene	0.365 ± 0.071 mg/kg	Benzo(c)phenanthrene	2.51 ± 0.29 mg/kg	Dibenz(a,j)anthracene	87 ± 0.051 mg/kg	Benz(a)anthracene	6.18 ± 0.30 mg/kg	Benzo(b)chrysene.....	0.290 ± 0.020 mg/kg	Chrysene	13.3 ± 1.1 mg/kg	Picene	0.499 ± 0.061 mg/kg	9-Nitroanthracene	5890 ± 310 µg/kg	6-Nitrochrysene	45.5 ± 1.9 µg/kg	1-Nitropyrene	18200 ± 200 µg/kg	6-Nitrobenzo(a)pyrene	1390 ± 100 µg/kg	7-Nitrobenz(a)anthracene	967 ± 42 µg/kg	1,6-Dinitropyrene	84.0 ± 3.0 µg/kg	200 mg
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7-Nitrobenz(a)anthracene	967 ± 42 µg/kg	1,6-Dinitropyrene	84.0 ± 3.0 µg/kg																																																																							
NIST1975	柴油颗粒提取物 - 多环芳烃 Diesel particulate extract - PAHs NIST SRM 1975 (Sigma-Aldrich) Certified Concentrations for Selected PAHs <table><tr><td></td><td>Mass Fraction</td><td></td><td>Mass Fraction</td></tr><tr><td></td><td>mg/kg</td><td></td><td>mg/kg</td></tr><tr><td>Phenanthrene</td><td>8.00 ± 0.20</td><td>Triphenylene</td><td>2.38 ± 0.10</td></tr><tr><td>Fluoranthene</td><td>13.5 ± 0.6</td><td>Benzo(b)fluoranthene</td><td>3.20 ± 0.10</td></tr><tr><td>Benzo(a)anthracene</td><td>0.092 ± 0.015</td><td>Benzo(k)fluoranthene</td><td>0.174 ± 0.050</td></tr><tr><td>Chrysene</td><td>1.95 ± 0.07</td><td>Benzo(e)pyrene</td><td>0.268 ± 0.023</td></tr></table> Reference Concentrations for PAHs, Nitro-substituted PAHs, Extract Residue Mass, Mutagenicity (revertants/ µg of organic extract).		Mass Fraction		Mass Fraction		mg/kg		mg/kg	Phenanthrene	8.00 ± 0.20	Triphenylene	2.38 ± 0.10	Fluoranthene	13.5 ± 0.6	Benzo(b)fluoranthene	3.20 ± 0.10	Benzo(a)anthracene	0.092 ± 0.015	Benzo(k)fluoranthene	0.174 ± 0.050	Chrysene	1.95 ± 0.07	Benzo(e)pyrene	0.268 ± 0.023	4 x 1.2 mL																																																
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NIST2585	室内灰尘 - 有机污染物 House dust - Organic contaminants NIST® SRM®2585 (Sigma-Aldrich) This Standard Reference Material® (SRM®) is a house dust intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, chlorinated pesticides, and polybrominated diphenyl ether (PBDE) congeners in house dust and similar matrices. Certified Concentrations for Selected PAHs <table><tr><td></td><td>Mass Fraction (dry-mass basis)</td><td></td><td>Mass Fraction (dry-mass basis)</td></tr><tr><td>Naphthalene</td><td>266 ± 8 µg/kg</td><td>Benzo[j]fluoranthene</td><td>1320 ± 110 µg/kg</td></tr><tr><td>Dibenzothiophene</td><td>109 ± 8 µg/kg</td><td>Benzo[k]fluoranthene</td><td>330 ± 70 µg/kg</td></tr><tr><td>Phenanthrene</td><td>1920 ± 20 µg/kg</td><td>Benzo[a]fluoranthene</td><td>74.5 ± 8.1 µg/kg</td></tr><tr><td>Anthracene</td><td>96.0 ± 5.2 µg/kg</td><td>Benzo[e]pyrene.....</td><td>2160 ± 80 µg/kg</td></tr><tr><td>4H-cyclopenta[def]phenanthrene.....</td><td>117 ± 10 µg/kg</td><td>Benzo[a]pyrene.....</td><td>1140 ± 10 µg/kg</td></tr><tr><td>3-Methylphenanthrene</td><td>293 ± 36 µg/kg</td><td>Perylene</td><td>387 ± 23 µg/kg</td></tr><tr><td>2-Methylphenathrene</td><td>352 ± 40 µg/kg</td><td>Benzo[ghi]perylene</td><td>2280 ± 40 µg/kg</td></tr><tr><td>9-Methylphenanthrene</td><td>205 ± 16 µg/kg</td><td>Indeno[1,2,3-cd]pyrene</td><td>2080 ± 100 µg/kg</td></tr><tr><td>1-Methylphenanthrene</td><td>197 ± 29 µg/kg</td><td>Dibenz[a,j]anthracene</td><td>267 ± 9 µg/kg</td></tr><tr><td>Fluoranthene</td><td>4380 ± 100 µg/kg</td><td>Dibenz[a,c]anthracene</td><td>183 ± 25 µg/kg</td></tr><tr><td>Pyrene</td><td>3290 ± 30 µg/kg</td><td>Dibenz[a,h]anthracene</td><td>301 ± 50 µg/kg</td></tr><tr><td>Benzo[ghi]fluoranthene</td><td>317 ± 11 µg/kg</td><td>Benzo[b]chrysene</td><td>182 ± 6 µg/kg</td></tr><tr><td>Benzo[c]phenanthrene</td><td>288 ± 10 µg/kg</td><td>Picene</td><td>413 ± 15 µg/kg</td></tr></table>		Mass Fraction (dry-mass basis)		Mass Fraction (dry-mass basis)	Naphthalene	266 ± 8 µg/kg	Benzo[j]fluoranthene	1320 ± 110 µg/kg	Dibenzothiophene	109 ± 8 µg/kg	Benzo[k]fluoranthene	330 ± 70 µg/kg	Phenanthrene	1920 ± 20 µg/kg	Benzo[a]fluoranthene	74.5 ± 8.1 µg/kg	Anthracene	96.0 ± 5.2 µg/kg	Benzo[e]pyrene.....	2160 ± 80 µg/kg	4H-cyclopenta[def]phenanthrene.....	117 ± 10 µg/kg	Benzo[a]pyrene.....	1140 ± 10 µg/kg	3-Methylphenanthrene	293 ± 36 µg/kg	Perylene	387 ± 23 µg/kg	2-Methylphenathrene	352 ± 40 µg/kg	Benzo[ghi]perylene	2280 ± 40 µg/kg	9-Methylphenanthrene	205 ± 16 µg/kg	Indeno[1,2,3-cd]pyrene	2080 ± 100 µg/kg	1-Methylphenanthrene	197 ± 29 µg/kg	Dibenz[a,j]anthracene	267 ± 9 µg/kg	Fluoranthene	4380 ± 100 µg/kg	Dibenz[a,c]anthracene	183 ± 25 µg/kg	Pyrene	3290 ± 30 µg/kg	Dibenz[a,h]anthracene	301 ± 50 µg/kg	Benzo[ghi]fluoranthene	317 ± 11 µg/kg	Benzo[b]chrysene	182 ± 6 µg/kg	Benzo[c]phenanthrene	288 ± 10 µg/kg	Picene	413 ± 15 µg/kg	10 g																
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订货号	产品信息	包装
	Benz[a]anthracene1160 ± 54 µg/kg Chrysene2260 ± 60 µg/kg Triphenylene589 ± 17 µg/kg Benzo[b]fluoranthene 2700 ± 90 µg/kg Certified Concentrations for Selected PCB Congeners Mass Fraction (dry-mass basis) PCB 18 (2,2',5-Trichlorobiphenyl) 12.8 ± 1.0 µg/kg PCB 28 (2,4,4'-Trichlorobiphenyl) 13.4 ± 0.5 µg/kg PCB 31 (2,4',5-Trichlorobiphenyl)..... 14.0 ± 0.5 µg/kg PCB 44 (2,2',3,5'-Tetrachlorobiphenyl) 18.1 ± 1.9 µg/kg PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)21.8 ± 1.9 µg/kg PCB 56 (2,3,3',4-Tetrachlorobiphenyl)4.42 ± 0.28 µg/kg PCB 70 (2,3',4',5-Tetrachlorobiphenyl) 13.1 ± 1.2 µg/kg PCB 74 (2,4,4',5-Tetrachlorobiphenyl)5.22 ± 0.51 µg/kg PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl) 16.6 ± 0.8 µg/kg PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)5.48 ± 0.72 µg/kg PCB 95 (2,2',3,5',6-Pentachlorobiphenyl) 22.7 ± 2.6 µg/kg PCB 99 (2,2',4,4',5-Pentachlorobiphenyl) 11.6 ± 0.4 µg/kg PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)29.8 ± 2.3 µg/kg PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl) 13.2 ± 1.4 µg/kg PCB 107 (2,3,3',4,5'-Pentachlorobiphenyl)4.14 ± 0.47 µg/kg PCB 110 (2,3,3',4,6-Pentachlorobiphenyl)28.1 ± 3.7 µg/kg PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)26.3 ± 1.7 µg/kg PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)27.6 ± 2.1 µg/kg PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)4.89 ± 0.38 µg/kg PCB 149 (2,2',3,4',5,6-Hexachlorobiphenyl)24.4 ± 1.9 µg/kg PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)6.92 ± 0.64 µg/kg PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)40.2 ± 1.8 µg/kg 132 (2,2',3,3', '4,6'-Hexachlorobiphenyl) PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)4.50 ± 0.43 µg/kg PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl) 7.2 ± 1.2 µg/kg PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)8.8 ± 1.0 µg/kg PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)8.83 ± 0.47 µg/kg PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)18.4 ± 3.2 µg/kg PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl) 5.27 ± 0.39 µg/kg PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)11.3 ± 1.4 µg/kg PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)3.81 ± 0.13 µg/kg Certified Concentrations for Selected Chlorinated Pesticides Mass Fraction (dry-mass basis) Mass Fraction (dry-mass basis) 4,4'-DDE261 ± 2 µg/kg 2,4'-DDT 44.5 ± 3.9 µg/kg 4,4'-DDD27.3 ± 0.8 µg/kg 4,4'-DDT111 ± 23 µg/kg Certified Concentrations for Selected PBDE Congeners Mass Fraction (dry-mass basis) PBDE 17 (2,2',4-Tribromodiphenyl ether) 11.5 ± 1.2 µg/kg PBDE 28 (2,4,4'-Tribromodiphenyl ether) 46.9 ± 4.4 µg/kg 33 (2',3,4-Tribromodiphenyl ether) PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)497 ± 46 µg/kg PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)53.5 ± 4.2 µg/kg PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)43.8 ± 1.6 µg/kg PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)892 ± 53 µg/kg PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)145 ± 11 µg/kg PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenylether)15.2 ± 2.0 µg/kg PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)119 ± 1 µg/kg PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether) 83.5 ± 2.0 µg/kg PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether) 3.94 ± 0.34 µg/kg PBDE 183 (2,2',3,4,4',5'-Heptabromodiphenyl ether) 43.0 ± 3.5 µg/kg PBDE 203 (2,2',3,4,4',5,6',6-Octabromodiphenyl ether) 36.7 ± 6.4 µg/kg PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)271 ± 42 µg/kg PBDE 209 (Decabromodiphenyl ether)2510 ± 190 µg/kg	
NIST2681	空白滤纸 - 微量元素 Blank ashless filter - Trace elements NIST® SRM® 2681 (Sigma-Aldrich) Intended for use in evaluating the performance of air sampling filter methods. Certified values or limits of detection for each of 30 constituent elements as well as 6 leachable anions and cations.	set (10)

订货号	产品信息	包装																																				
NIST2783	空气微粒在过滤介质中的 - 微量元素 Air particulate on filter media - Trace elements NIST® SRM®2783 (Sigma-Aldrich) This Standard Reference Material is an air particulate sample reduced in particle size to simulate PM2.5 air particulate matter (particles with an aerodynamic equivalent diameter of 2.5 µm) and deposited on a polycarbonate filter membrane. NIST-2783 included two loaded filters and two blank filters. <table><tr><td>Al</td><td>23210 ng</td><td>Cu</td><td>404 ng</td><td>Ni</td><td>68 ng</td></tr><tr><td>As</td><td>11.8 ng</td><td>Fe</td><td>26500 ng</td><td>Pb.....</td><td>317 ng</td></tr><tr><td>Ba.....</td><td>335 ng</td><td>K</td><td>5280 ng</td><td>Sb.....</td><td>71.8 ng</td></tr><tr><td>Ca</td><td>13200 ng</td><td>Mg</td><td>8620 ng</td><td>Ti</td><td>1490 ng</td></tr><tr><td>Co</td><td>7.7 ng</td><td>Mn</td><td>320 ng</td><td>V.....</td><td>48.5 ng</td></tr><tr><td>Cr</td><td>135 ng</td><td>Na</td><td>2860 ng</td><td>Zn</td><td>1790 ng</td></tr></table> Indicative values for Ce, Rb, S, Sc, Si, SM, Th, U, W	Al	23210 ng	Cu	404 ng	Ni	68 ng	As	11.8 ng	Fe	26500 ng	Pb.....	317 ng	Ba.....	335 ng	K	5280 ng	Sb.....	71.8 ng	Ca	13200 ng	Mg	8620 ng	Ti	1490 ng	Co	7.7 ng	Mn	320 ng	V.....	48.5 ng	Cr	135 ng	Na	2860 ng	Zn	1790 ng	4 filter
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Cr	135 ng	Na	2860 ng	Zn	1790 ng																																	
NISTRM8785	过滤介质 - 空气颗粒物 Filter media - Air particulate matter NIST RM 8785 (Sigma-Aldrich) This Reference Material NIST-RM 8785 is intended primarily for use in the evaluation of analytical methods used to characterise the carbon composition of atmospheric fine-particulate matter (PM) for national air quality monitoring programs. This RM consists of only the fine fraction (nominally < 2.5 µm aerodynamic diameter) of NIST-1649a Urban Dust resuspended in air and filtered onto quartz-fiber filter. NIST-RM 8785 also provides the atmospheric chemistry and ocean-sciences community with a means to inter-compare methods and laboratories for the measurement of elemental (black) carbon. RM 8785 has value-assignments for total carbon, elemental carbon and organic carbon measured according to two thermal-optical methods: the NIOSH and IMPROVE protocols. A unit of NIST-RM 8785 consists of three loaded filters, each uniquely identified by its APM identification number (e.g., APM 1257), its production characteristics, i.e., batch and chamber-column-row (e.g., 12959-30 and IV-D-5, respectively) and its mass of fine NIST-1649a on the filter (e.g., 1948 µg).	3 filter																																				
NISTRM8786	NIST RM 8785 的空白滤器 Filter blank for NIST RM 8785 NIST RM 8786 (Sigma-Aldrich) A unit of NIST-RM 8786 consists of a single production blank filter with a 37 mm diameter	filter																																				

环境基质标准品 - 沉积物

订货号	产品信息	包装
BCR277R	河口沉积物 - 微量元素 Estuarine sediment - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values As18.3 mg/kg Cr 188 mg/kg Ni..... 130 mg/kg Cd0.61 mg/kg Cu63 mg/kg Zn178 mg/kg Co22.5 mg/kg Hg0.128 mg/kg	40 g
BCR320R	河/通道沉积物 - 微量元素 Channel sediment - Trace elements BCR®Certified reference material (Sigma-Aldrich) Certified values As21.7 mg/kg Hg0.85 mg/kg Tl0.65 mg/kg Cd2.64 mg/kg Mn910 mg/kg U 1.56mg/kg Co 9.7 mg/kg Ni27.1 mg/kg V..... 46.5mg/kg Cr59 mg/kg Pb85 mg/kg Zn319 mg/kg Cu46.3 mg/kg Sc 5.2 mg/kg Fe25700 mg/kg Th 5.3 mg/kg Indicative values for Se, Sn	40 g
BCR667	河口沉积物 - 微量元素 Estuarine sediment - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values Ce56.7 mg/kg La27.8 mg/kg Tb 0.682 mg/kg Dy.....4.01 mg/kg Lu0.325 mg/kg Th10.0 mg/kg Er2.35 mg/kg Nd25.0 mg/ kg Tm0.326 mg/Kg Eu.....1.00 mg/kg Pr6.14 mg/kg U2.26 mg/kg Gd 4.41 mg/kg Sc 13.7 mg/kg Yb..... 2.20 mg/kg Ho0.796 mg/kg Sm4.66 mg/kg Indicative values for: As, Au, Br, Cd, Co, Cr, Cs, Cu, Fe, Mn, Ni, Pb, Sb, Se, Sr, Ta, Y and Zn	40 g

订货号	产品信息	包装																								
NIST1646a	河口沉积物 - 金属元素 Estuarine sediment - Metals NIST® SRM®1646a (Sigma-Aldrich) Collected from Chesapeake Bay, USA. Certified values Al2.297 % K0.864 % Se0.193 mg/kg As6.23 mg/kg Mg0.388 % Si 40 % Ca0.519 % Mn 234.5 mg/kg Ti 0.456 % Cd0.148 mg/kg Na0.741 % V44.84 mg/kg Cr 40.9 mg/kg P..... 234.5 mg/kg Zn.....48.9 mg/kg Cu10.01 mg/kg Pb 11.7 mg/kg Fe2.008 % S0.352 %	70 g																								
NIST2702	海洋沉积物 - 微量元素 Inorganics in marine sediment NIST® SRM® 2702 (Sigma-Aldrich) Marine sediment collected at the mouth of the Baltimore Harbour. Certified values Al.....8.41 % K2.054 % Sc.....25.9 mg/kg As.....45.3 mg/kg La73.5 mg/kg Sr 119.7 mg/kg Ba397.4 mg/kg Mn1757 mg/kg Th.....20.51 mg/kg Ce123.4 mg/kg Na.....0.681 % Ti.....0.884 % Cd0.817 mg/kg Ni.....75.4 mg/kg Tl.....0.8267mg/kg Co27.76 mg/kg P0.1552 % V 357.6 mg/kg Cr352 mg/kg Pb.....132.8 mg/kg Zn..... 485.3 mg/kg Fe.....7.91 % Rb.....127.7 mg/kg Hg0.4474 mg/kg Sb.....5.60 mg/kg Indicative values for Ag, Ca, Ga, Mg, Mo, Se, Sn	50 g																								
NIST2703	海洋沉积物 - 微量元素 Sediment for solid sampling (small sample) analytical techniques NIST® SRM® 2703 (Sigma-Aldrich) Sediment for solid sampling (small sample) analytical techniques NIST-2703 is a marine sediment collected at the mouth of the Baltimore Harbor. It is primarily intended for use in evaluating analytical methods for the direct determination of selected elements in solid samples of marine or fresh water sediment and similar matrices. Direct and slurry sampling, as well as dissolution techniques using typically milligram size samples (<10 mg), can employ this Standard Reference Material® in the user's procedures; all certified and reference values are based on measurements using a samples size of at least 0.7 mg. Techniques using large samples (100 mg) should use NIST-2702 Marine sediment - Trace elements. Certified values <table> <tr> <th>Mass Fractions (mg/kg, unless noted as %)</th><th>Mass Fractions (mg/kg, unless noted as %)</th><th>Mass Fractions (mg/kg, unless noted as %)</th></tr> <tr> <td>As..... 45.5 ± 1.7</td><td>La75.9 ± 3.0</td><td>Th..... 20.22 ± 0.74</td></tr> <tr> <td>Ba416 ± 32</td><td>Mn1734 48</td><td>Ti.....0.880 % ± 0.046 %</td></tr> <tr> <td>Cd 0.811 ± 0.076</td><td>Na..... 0.693 % ± 0.019%</td><td>U8.99 ± 0.72</td></tr> <tr> <td>Ce 125.5 ± 5.0</td><td>Pb.....130 ± 11</td><td>V 360 ± 13</td></tr> <tr> <td>Co27.70 ± 0.50</td><td>Rb..... 130 ± 11</td><td>Zn..... 480 ± 22</td></tr> <tr> <td>Fe.....7.38 % ± 0.32 %</td><td>Sb.....5.62 ± 0.26</td><td></td></tr> <tr> <td>Hg0.474 ± 0.066</td><td>Sc25.95 ± 0.68</td><td></td></tr> </table> Reference and information values for for selected elements	Mass Fractions (mg/kg, unless noted as %)	Mass Fractions (mg/kg, unless noted as %)	Mass Fractions (mg/kg, unless noted as %)	As..... 45.5 ± 1.7	La75.9 ± 3.0	Th..... 20.22 ± 0.74	Ba416 ± 32	Mn1734 48	Ti.....0.880 % ± 0.046 %	Cd 0.811 ± 0.076	Na..... 0.693 % ± 0.019%	U8.99 ± 0.72	Ce 125.5 ± 5.0	Pb.....130 ± 11	V 360 ± 13	Co27.70 ± 0.50	Rb..... 130 ± 11	Zn..... 480 ± 22	Fe.....7.38 % ± 0.32 %	Sb.....5.62 ± 0.26		Hg0.474 ± 0.066	Sc25.95 ± 0.68		5 g
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Hg0.474 ± 0.066	Sc25.95 ± 0.68																									
BCR280R	湖泊沉积物 - 微量元素 Lake sediment - Trace elements BCR®Certified reference material (Sigma-Aldrich) Certified values As33.4 mg/kg Cr 126 mg/kg Ni 69 mg/kg Cd0.85 mg/kg Cu 53 mg/kg Zn 224 mg/kg Co16.8 mg/kg Hg1.46 mg/kg	30 g																								
CNS392-50G	淡水沉积物中的微量元素 Trace Elements on Fresh Water Sediment Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot 011295 Certified values Ag.....15.8 mg/kg Hg.....12.7 mg/kg As 6.49 mg/kg Mn 6604 mg/kg Ba.....54.8 mg/kg Mo 14.5 mg/kg Be.....14.3 mg/kg Ni32.9 mg/kg Cd21.5 mg/kg Pb 121 mg/kg	50 g																								

订货号	产品信息	包装
	Co9.16 mg/kg Sb12.0 mg/kg Cr 36.6 mg/kg Se8.59 mg/kg Cu146 mg/kg V 41.9 mg/kg Fe 7880 mg/kg Zn81.7 mg/kg COD 0.619 g/kg Kjeldahl-Nitrogen 0.185 g/kg Cl-0.255 g/kg P (total) 0.137 g/kg Reference values Al14100 mg/kg Ti 25.9 mg/kg	
CRM008-50G	沉积物1 - 微量金属元素 Trace Metals - Sediment 1 Certified values Al Hg Sb Mo As Ni Ba K Be Se B Si Cd Ag Ca Na Cr Sr Cu TI Fe V Pb Zn Mg Cn Mn	50 g
CRM015-50G	淡水沉积物2 - 微量金属元素 Trace Metals - Fresh Water Sediment 2 Lot FF15 Certified values Al 9200 ± 976 mg/kg K 2070 ± 127 mg/kg As 6.60 ± 0.433 mg/kg Mg 13600 ± 345 mg/kg Ba 83.0 ± 3.31 mg/kg Mn 183 ± 4.52 mg/kg Ca 23500 ± 688 mg/kg Na 401 ± 47.4 mg/kg Co 6.04 ± 0.142 mg/kg Ni 17.5 ± 0.520 mg/kg Cr (total) 14.3 ± 1.44 mg/kg Pb 15.0 ± 0.539 mg/kg Cu 16.1 ± 0.585 mg/kg V 22.1 ± 1.84 mg/kg Fe 17100 ± 717 mg/kg Zn 69.9 ± 2.82 mg/kg Hg 0.221 ± 0.00619 mg/kg Total cyanide 6.04 ± 0.774 mg/kg Informational values Ag 0.237 mg/kg Se 0.800 mg/kg B 8.60 mg/kg Sn G Bi 0.300 mg/kg Tl 1.00 mg/kg Cd 0.520 mg/kg Ti 80.0 mg/kg Mo 1.16 mg/kg	50 g
CRM016-50G	淡水沉积物3 - 微量金属元素 Trace Metals - Fresh Water Sediment 3 Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot BE016 Certified values Al8920 ± 657 mg/kg Hg 0.158 ± 0.0219 mg/kg As 7.76 ± 0.439 mg/kg K 1960 ± 141 mg/kg Ba 79.3 ± 2.82 mg/kg Mg 13200 ± 332 mg/kg Be 0.490 ± 0.0587 mg/kg Mn 180 ± 3.65 mg/kg Ca 23500 ± 688 mg/kg Na 292 ± 15.7 mg/kg Cd 0.470 ± 0.0761 mg/kg Ni 16.7 ± 0.498 mg/kg Co 5.96 ± 0.243 mg/kg Pb 14.1 ± 0.657 mg/kg Cr (total) 14.5 ± 1.36 mg/kg V 22.5 ± 1.62 mg/kg Cu 16.1 ± 0.585 mg/kg Zn 69.7 ± 2.11 mg/kg Fe 16800 ± 517 mg/kg Informational values Trace metal acid digestion by Aqua Regia (NEN 57, NEN 64.. series) Al 21900 mg/kg Cr 33.3 mg/kg Ba 128 mg/kg K 4080 mg/kg Cd 0.30 mg/kg Informational values	50 g

订货号	产品信息	包装
	Trace metal acid digestion by USEPA 3050B Ag0.7 mg/kg Si 347 mg/kg B 13.0 mg/kg Sr 61 mg/kg Mo 0.97 mg/kg Tl 4.6 mg/kg Se1.0 mg/kg	
BCR462	沿海沉积物 - 有机锡化合物/丁基锡 Coastal sediment - Organotin compounds BCR® Certified reference material (Sigma-Aldrich) Compound Certified value Uncertainty 	

订购号	产品信息	包装																																																																																																																																																																	
NIST1941b	海洋沉积物中的有机物 Organics in marine sediment NIST® SRM® 1941b (Sigma-Aldrich) Collected at the mouth of the Baltimore Harbour. All of the constituents for which certified, reference, and information values are provided in NIST-1941b were naturally present in the sediment material before processing. A unit of NIST-1941b consists of a bottle containing 50 g of radiation-sterilized, freeze-dried sediment material. Certified Concentrations for Selected PAHs <table><tr><th>PAHs</th><th>Mass Fractions in µg/kg (dry-mass basis)</th><th>PAHs</th><th>Mass Fractions in µg/kg (dry-mass basis)</th></tr><tr><td>Naphthalene</td><td>848 ± 95</td><td>Benzo[b]fluoranthene</td><td>453 ± 21</td></tr><tr><td>Fluorene</td><td>85 ± 15</td><td>Benzo[k]fluoranthene</td><td>225 ± 18</td></tr><tr><td>Phenanthrene</td><td>406 ± 44</td><td>Benzo[e]pyrene.....</td><td>325 ± 25</td></tr><tr><td>Anthracene</td><td>184 ± 18</td><td>Benzo[a]pyrene.....</td><td>358 ± 17</td></tr><tr><td>3-Methylphenanthrene</td><td>105 ± 13</td><td>Perylene</td><td>397 ± 45</td></tr><tr><td>2-Methylphenathrene</td><td>128 ± 14</td><td>Benzo[ghi]perylene</td><td>307 ± 45</td></tr><tr><td>1-Methylphenanthrene</td><td>73.2 ± 5.9</td><td>Indeno[1,2,3-cd]pyrene</td><td>341 ± 57</td></tr><tr><td>Fluoranthene</td><td>651 ± 50</td><td>Dibenz[a,j]anthracene</td><td>48.9 ± 4.6</td></tr><tr><td>Pyrene</td><td>581 ± 39</td><td>Dibenz[a,c]anthracene</td><td>36.7 ± 5.2</td></tr><tr><td>Benz[a]anthracene</td><td>335 ± 25</td><td>Dibenz[a,h]anthracene</td><td>53 ± 10</td></tr><tr><td>Chrysene</td><td>291 ± 31</td><td>Benzo[b]chrysene</td><td>53 ± 12</td></tr><tr><td>Triphenylene</td><td>108 ± 5</td><td>Picene</td><td>46.6 ± 4.7</td></tr></table> Certified Concentrations for Selected PCB Congeners <table><tr><th>PCB Congeners</th><th>Mass Fractions in µg/kg (dry-mass basis)</th></tr><tr><td>PCB 8</td><td>2,4'-Dichlorobiphenyl</td><td>1.65 ± 0.19</td></tr><tr><td>PCB 18</td><td>2,2',5'-Trichlorobiphenyl.....</td><td>2.39 ± 0.29</td></tr><tr><td>PCB 28</td><td>2,4,4'-Trichlorobiphenyl.....</td><td>4.52 ± 0.57</td></tr><tr><td>PCB 31</td><td>2,4',5'-Trichlorobiphenyl.....</td><td>3.18 ± 0.41</td></tr><tr><td>PCB 44</td><td>2,2'3,5'-Tetrachlorobiphenyl</td><td>3.85 ± 0.20</td></tr><tr><td>PCB 49</td><td>2,2'4,5'-Tetrachlorobiphenyl</td><td>4.34 ± 0.28</td></tr><tr><td>PCB 52</td><td>2,2',5,5'-Tetrachlorobiphenyl</td><td>5.24 ± 0.28</td></tr><tr><td>PCB 66</td><td>2,3',4,4'-Tetrachlorobiphenyl</td><td>4.96 ± 0.53</td></tr><tr><td>PCB 87</td><td>2,2',3,4,5'-Pentachlorobiphenyl.....</td><td>1.14 ± 0.16</td></tr><tr><td>PCB 95</td><td>2,2',3,5',6'-Pentachlorobiphenyl.....</td><td>3.93 ± 0.62</td></tr><tr><td>PCB 99</td><td>2,2',4,4',5'-Pentachlorobiphenyl.....</td><td>2.90 ± 0.36</td></tr><tr><td>PCB 101</td><td>2,2',4,5,5'-Pentachlorobiphenyl.....</td><td>5.11 ± 0.34</td></tr><tr><td>PCB 105</td><td>2,3,3',4,4'-Pentachlorobiphenyl.....</td><td>1.43 ± 0.10</td></tr><tr><td>PCB 110</td><td>2,3,3',4',6'-Pentachlorobiphenyl.....</td><td>4.62 ± 0.36</td></tr><tr><td>PCB 118</td><td>2,3',4,4',5'-Pentachlorobiphenyl.....</td><td>4.23 ± 0.19</td></tr><tr><td>PCB 128</td><td>2,2',3,3',4,4'-Hexachlorobiphenyl</td><td>0.696 ± 0.044</td></tr><tr><td>PCB 138</td><td>2,2',3,4,4',5'-Hexachlorobiphenyl</td><td>3.60 ± 0.28</td></tr><tr><td>PCB 149</td><td>2,2',3,4',5',6'-Hexachlorobiphenyl</td><td>4.35 ± 0.26</td></tr><tr><td>PCB 153</td><td>2,2',4,4',5,5'-Hexachlorobiphenyl</td><td>5.47 ± 0.32</td></tr><tr><td>PCB 156</td><td>2,3,3',4,4',5'-Hexachlorobiphenyl</td><td>0.507 ± 0.090</td></tr><tr><td>PCB 170</td><td>2,2',3,3',4,4',5'-Heptachlorobiphenyl.....</td><td>1.35 ± 0.09</td></tr><tr><td>PCB 180</td><td>2,2',3,4,4',5,5'-Heptachlorobiphenyl.....</td><td>3.24 ± 0.51</td></tr><tr><td>PCB 183</td><td>2,2',3,4,4',5',6'-Heptachlorobiphenyl.....</td><td>0.979 ± 0.087</td></tr><tr><td>PCB 187</td><td>2,2',3,4',5,5',6'-Heptachlorobiphenyl.....</td><td>2.17 ± 0.22</td></tr><tr><td>PCB 194</td><td>2,2',3,3',4,4',5,5'-Octachlorobiphenyl</td><td>1.04 ± 0.06</td></tr><tr><td>PCB 195</td><td>2,2',3,3',4,4',5,6'-Octachlorobiphenyl.....</td><td>0.645 ± 0.060</td></tr><tr><td>PCB 201</td><td>2,2',3,3',4,5',6,6'-Octachlorobiphenyl</td><td>0.777 ± 0.034</td></tr><tr><td>PCB 206</td><td>2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl</td><td>2.42 ± 0.19</td></tr><tr><td>PCB 209</td><td>Decachlorobiphenyl</td><td>4.86 ± 0.45</td></tr></table> Certified Concentrations for Selected Pesticides <table><tr><th>Chlorinated Pesticides</th><th>Mass Fractions in µg/kg (dry-mass basis)</th><th>Chlorinated Pesticides</th><th>Mass Fractions in µg/kg (dry-mass basis)</th></tr><tr><td>Hexachlorobenzene</td><td>5.83 ± 0.38</td><td>trans-Nonachlor</td><td>0.438 ± 0.073</td></tr><tr><td>cis-Chlordane</td><td>0.85 ± 0.11</td><td>4,4'-DDE</td><td>3.22 ± 0.28</td></tr><tr><td>trans-Chlordane</td><td>0.566 ± 0.093</td><td>4,4'-DDD</td><td>4.66 ± 0.46</td></tr><tr><td>cis-Nonachlor.....</td><td>0.378 ± 0.053</td><td></td><td></td></tr></table> Reference values for selected PCBs, PCBs, Pesticides and TOC Indicative values for carbon, hydrogen and nitrogen	PAHs	Mass Fractions in µg/kg (dry-mass basis)	PAHs	Mass Fractions in µg/kg (dry-mass basis)	Naphthalene	848 ± 95	Benzo[b]fluoranthene	453 ± 21	Fluorene	85 ± 15	Benzo[k]fluoranthene	225 ± 18	Phenanthrene	406 ± 44	Benzo[e]pyrene.....	325 ± 25	Anthracene	184 ± 18	Benzo[a]pyrene.....	358 ± 17	3-Methylphenanthrene	105 ± 13	Perylene	397 ± 45	2-Methylphenathrene	128 ± 14	Benzo[ghi]perylene	307 ± 45	1-Methylphenanthrene	73.2 ± 5.9	Indeno[1,2,3-cd]pyrene	341 ± 57	Fluoranthene	651 ± 50	Dibenz[a,j]anthracene	48.9 ± 4.6	Pyrene	581 ± 39	Dibenz[a,c]anthracene	36.7 ± 5.2	Benz[a]anthracene	335 ± 25	Dibenz[a,h]anthracene	53 ± 10	Chrysene	291 ± 31	Benzo[b]chrysene	53 ± 12	Triphenylene	108 ± 5	Picene	46.6 ± 4.7	PCB Congeners	Mass Fractions in µg/kg (dry-mass basis)	PCB 8	2,4'-Dichlorobiphenyl	1.65 ± 0.19	PCB 18	2,2',5'-Trichlorobiphenyl.....	2.39 ± 0.29	PCB 28	2,4,4'-Trichlorobiphenyl.....	4.52 ± 0.57	PCB 31	2,4',5'-Trichlorobiphenyl.....	3.18 ± 0.41	PCB 44	2,2'3,5'-Tetrachlorobiphenyl	3.85 ± 0.20	PCB 49	2,2'4,5'-Tetrachlorobiphenyl	4.34 ± 0.28	PCB 52	2,2',5,5'-Tetrachlorobiphenyl	5.24 ± 0.28	PCB 66	2,3',4,4'-Tetrachlorobiphenyl	4.96 ± 0.53	PCB 87	2,2',3,4,5'-Pentachlorobiphenyl.....	1.14 ± 0.16	PCB 95	2,2',3,5',6'-Pentachlorobiphenyl.....	3.93 ± 0.62	PCB 99	2,2',4,4',5'-Pentachlorobiphenyl.....	2.90 ± 0.36	PCB 101	2,2',4,5,5'-Pentachlorobiphenyl.....	5.11 ± 0.34	PCB 105	2,3,3',4,4'-Pentachlorobiphenyl.....	1.43 ± 0.10	PCB 110	2,3,3',4',6'-Pentachlorobiphenyl.....	4.62 ± 0.36	PCB 118	2,3',4,4',5'-Pentachlorobiphenyl.....	4.23 ± 0.19	PCB 128	2,2',3,3',4,4'-Hexachlorobiphenyl	0.696 ± 0.044	PCB 138	2,2',3,4,4',5'-Hexachlorobiphenyl	3.60 ± 0.28	PCB 149	2,2',3,4',5',6'-Hexachlorobiphenyl	4.35 ± 0.26	PCB 153	2,2',4,4',5,5'-Hexachlorobiphenyl	5.47 ± 0.32	PCB 156	2,3,3',4,4',5'-Hexachlorobiphenyl	0.507 ± 0.090	PCB 170	2,2',3,3',4,4',5'-Heptachlorobiphenyl.....	1.35 ± 0.09	PCB 180	2,2',3,4,4',5,5'-Heptachlorobiphenyl.....	3.24 ± 0.51	PCB 183	2,2',3,4,4',5',6'-Heptachlorobiphenyl.....	0.979 ± 0.087	PCB 187	2,2',3,4',5,5',6'-Heptachlorobiphenyl.....	2.17 ± 0.22	PCB 194	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	1.04 ± 0.06	PCB 195	2,2',3,3',4,4',5,6'-Octachlorobiphenyl.....	0.645 ± 0.060	PCB 201	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.777 ± 0.034	PCB 206	2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	2.42 ± 0.19	PCB 209	Decachlorobiphenyl	4.86 ± 0.45	Chlorinated Pesticides	Mass Fractions in µg/kg (dry-mass basis)	Chlorinated Pesticides	Mass Fractions in µg/kg (dry-mass basis)	Hexachlorobenzene	5.83 ± 0.38	trans-Nonachlor	0.438 ± 0.073	cis-Chlordane	0.85 ± 0.11	4,4'-DDE	3.22 ± 0.28	trans-Chlordane	0.566 ± 0.093	4,4'-DDD	4.66 ± 0.46	cis-Nonachlor.....	0.378 ± 0.053			50 g
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订货号	产品信息	包装
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NIST1944	纽约/新泽西水道沉积物 - 多氯联苯 (PCBs) 和多环芳烃 (PAHs)	50 g
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New York/New Jersey waterway sediment - PCBs and PAHs

NIST® SRM® 1944 (Sigma-Aldrich)

This Standard Reference Material®(SRM®) is a mixture of marine sediment collected near urban areas in New York and New Jersey. Reference values are also provided for selected dibenzodioxin and dibenzofuran congeners, total organic carbon, total extractable material, and particle-size characteristics. All of the constituents for which certified, reference, and information values are provided were naturally present in the sediment material before processing.

Certified Concentrations for Selected PAHs

PAHs	Mass Fractions in mg/kg (dry-mass basis)	PAHs	Mass Fractions in mg/kg (dry-mass basis)
Naphthalene	1.65 ± 0.31	Benzo(a)fluoranthene	0.78 ± 0.12
Phenanthrene	5.27 ± 0.22	Benzo(e)pyrene	3.28 ± 0.11
Anthracene	1.77 ± 0.33	Benzo(a)pyrene	4.30 ± 0.13
Fluoranthene	8.92 ± 0.32	Perylene	1.17 ± 0.24
Pyrene	9.70 ± 0.42	Benzo(ghi)perylene	2.84 ± 0.10
Benzo(c)phenanthrene	0.76 ± 0.10	Indeno(1,2,3-cd)pyrene	2.78 ± 0.10
Benzo(a)anthracene	4.72 ± 0.11	Dibenzo(a,j)anthracene	0.500 ± 0.044
Chrysene	4.86 ± 0.10	Dibenzo(a,c)anthracene	0.335 ± 0.013
Triphenylene	1.04 ± 0.27	Dibenzo(a,h)anthracene	0.424 ± 0.069
Benzo(b)fluoranthene	3.87 ± 0.42	Pentaphene.....	0.288 ± 0.026
Benzo(j)fluoranthene	2.09 ± 0.44	Benzo(b)chrysene	0.63 ± 0.10
Benzo(k)fluoranthene	2.30 ± 0.20	Picene	0.518 ± 0.093

Certified Concentrations for Selected PCB Congeners

PCB Congeners	Mass Fraction in µg/kg (dry-mass basis)
PCB 8	2,4'-Dichlorobiphenyl 22.3 ± 2.3
PCB 18	2,2',5-Trichlorobiphenyl 51.0 ± 2.6
PCB 28	2,4,4'-Trichlorobiphenyl 80.8 ± 2.7
PCB 31	2,4',5-Trichlorobiphenyl 78.7 ± 1.6
PCB 44	2,2',3,5'-Tetrachlorobiphenyl 60.2 ± 2.0
PCB 49	2,2',4,5'-Tetrachlorobiphenyl 53.0 ± 1.7
PCB 52	2,2',5,5'-Tetrachlorobiphenyl 79.4 ± 2.0
PCB 66	2,3',4,4'-Tetrachlorobiphenyl 71.9 ± 4.3
PCB 87	2,2',3,4,5`-Pentachlorobiphenyl 29.9 ± 4.3
PCB 95	2,2',3,5',6-Pentachlorobiphenyl 65.0 ± 8.9
PCB 99	2,2',4,4',5-Pentachlorobiphenyl 37.5 ± 2.4
PCB 101	2,2',4,5,5'-Pentachlorobiphenyl +
90	2,2',3,4',5-Pentachlorobiphenyl 73.4 ± 2.5
PCB 105	2,3,3',4,4'-Pentachlorobiphenyl 24.5 ± 1.1
PCB 110	2,3,3',4',6-Pentachlorobiphenyl 63.5 ± 4.7
PCB 118	2,3',4,4',5-Pentachlorobiphenyl 58 ± 4.3
PCB 128	2,2',3,3',4,4'-Hexachlorobiphenyl 8.47 ± 0.28
PCB 138	2,2',3,4,4',5'-Hexachlorobiphenyl +
163	2,3,3',4',5,6-Hexachlorobiphenyl +
164	2,3,3',4',5',6-Hexachlorobiphenyl 62.1 ± 3.0
PCB 149	2,2',3,4,4',5',6-Hexachlorobiphenyl 49.7 ± 1.2
PCB 151	2,2',3,5,5',6-Hexachlorobiphenyl 16.93 ± 0.36
PCB 153	2,2',4,4',5,5'-Hexachlorobiphenyl 74.0 ± 2.9
PCB 156	2,3,3',4,4',5-Hexachlorobiphenyl 6.52 ± 0.66
PCB 170	2,2',3,3',4,4',5-Heptachlorobiphenyl +
190	(2,3,3',4,4',5,5'-Heptachlorobiphenyl) 22.6 ± 1.4
PCB 180	2,2',3,4,4',5,5'-Heptachlorobiphenyl 44.3 ± 1.2
PCB 183	2,2',3,4,4',5',6-Heptachlorobiphenyl 12.19 ± 0.57
PCB 187	2,2',3,4',5,5',6-Heptachlorobiphenyl +
159	2,3,3',4,5,5'-Hexachlorobiphenyl +
182	2,2',3',4,4',5,6'-Heptachlorobiphenyl 25.1 ± 1.0
PCB 194	2,2',3,3',4,4',5,5'-Octachlorobiphenyl 11.2 ± 1.4
PCB 195	2,2',3,3',4,4',5,6-Octachlorobiphenyl 3.75 ± 0.39
PCB 206	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl 9.21 ± 0.51
PCB 209	Decachlorobiphenyl 6.81 ± 0.33

Certified Concentrations for Selected Chlorinated Pesticides

订货号	产品信息	包装
	Chlorinated Pesticides Mass Fractions in µg/kg (dry-mass basis) Hexachlorobenzene..... 6.03 ± 0.35 cis-Chlordane (alpha-Chlordane) 16.51 ± 0.83 trans-Nonachlor 8.20 ± 0.51 4,4'-DDT 119 ± 11 Reference Values for PAHs, Chlorinated Pesticides, Dibenz-p-dioxin and Dibenzofuran Congeners, Particle-Size Characteristics, Total Organic Carbon and Percent Extractable Mass. Certified and reference concentrations for selected inorganic constituents.	
CRM361-100G	深海沉积物 - 石油烃总量 TPH - Sea Sediment 1 pkg of 100 g (Sigma-Aldrich) Certified value Lot 011244 TPH (Diesel range organics) 694.99 mg/kg	100 g
BCR646	淡水沉积物 - 丁基锡 Freshwater sediment - Butyltin and phenyltin BCR® Certified reference material (Sigma-Aldrich) Certified values TBT 480 µg/kg MBT 610 µg/kg DPhT..... 36 µg/kg DBT..... 770 µg/kg TPhT 29 µg/kg MPhT 69 µg/kg	40 g
BCR684	河流沉积物 - 生物可利用磷 / 磷元素 River sediment - Phosphorous BCR® Certified reference material (Sigma-Aldrich) Extractable phosphorous in sediment following a five-step extraction procedure NaOH-extractable P550 mg/kg Organic P 209 mg/kg HCl-extractable P536 mg/kg Conc.HCl-extract. P 1373 mg/kg Inorganic P 1113 mg/kg	35 g
BCR701	沉积物 - 可萃取元素 Sediment - Extractable trace elements (3 step extraction) BCR®Certified reference material (Sigma-Aldrich) Certified values Step 1 Cd 7.34 mg/kg Cu 49.3 mg/kg Pb 3.18 mg/kg Cr 2.26 mg/kg Ni 15.4 mg/kg Zn205 mg/kg Step 2 Cd 3.77 mg/kg Cu 124 mg/kg Pb 126 mg/kg Cr 45.7 mg/kg Ni 26.6 mg/kg Zn 114 mg/kg Step 3 Cd 0.27 mg/kg Cu 55.2 mg/kg Pb9.3 mg/kg Cr 143 mg/kg Ni 15.3 mg/kg Zn 45.7 mg/kg	20 g
NIST1939a	河流沉积物 - 多氯联苯和有机氯农药 River sediment - PCBs and chlorinated pesticides NIST®SRM®1939a (Sigma-Aldrich) Certified Concentrations (Mass Fractions for Selected PCB Congeners µg/kg PCB 52 2,2',5,5'-Tetrachlorobiphenyl 3691 ± 68 PCB 56 2,3,3',4'-Tetrachlorobiphenyl 355 ± 14 PCB 66 2,3',4,4'-Tetrachlorobiphenyl 556 ± 25 PCB 87 2,2',3,4,5'-Pentachlorobiphenyl 166 ± 21 PCB 92 2,2',3,5,5'-Pentachlorobiphenyl 386 ± 27 PCB 95 2,2',3,5',6-Pentachlorobiphenyl 859 ± 29 PCB 101 2,2',4,5,5'-Pentachlorobiphenyl 476 ± 42 PCB 110 2,3,3',4',6-Pentachlorobiphenyl 1008 ± 118 PCB 112 2,3,3',5,6-Pentachlorobiphenyl 33.5 ± 3.1 PCB 153 2,2',4,4',5,5'-Hexachlorobiphenyl 357 ± 92 132 2,2',3,3',4,6'-Hexachlorobiphenyl PCB 156 2,3,3',4,4',5-Hexachlorobiphenyl 40.7 ± 4.4 PCB 167 2,3',4,4',5,5'-Hexachlorobiphenyl 17.9 ± 2.0 PCB 172 2,2',3,3',4,5,5'-Heptachlorobiphenyl 16.7 ± 1.5 PCB 175 2,2',3,3',4,5',6-Heptachlorobiphenyl 6.47 ± 0.23 PCB 177 2,2',3,3',4',5,6-Heptachlorobiphenyl 73.3 ± 6.8 PCB 180 2,2',3,4,4',5,5'-Heptachlorobiphenyl 167 ± 11 PCB 8 2,4'-Dichlorobiphenyl 5049 ± 294 PCB 18 2,2',5-Trichlorobiphenyl 2126 ± 264	50 g

订货号	产品信息	包装
	PCB 28 2,4,4'-Trichlorobiphenyl 1676 ± 91 PCB 31 2,4',5-Trichlorobiphenyl 5698 ± 135 PCB 44 2,2',3,5'-Tetrachlorobiphenyl 766 ± 53 PCB 49 2,2',4,5'-Tetrachlorobiphenyl 3314 ± 317 193 2,3,3',4',5,5',6-Heptachlorobiphenyl PCB 189 2,3,3',4,4',5,5'-Heptachlorobiphenyl 3.40 ± 0.47 PCB 191 2,3,3',4,4',5,5'-Heptachlorobiphenyl 2.92 ± 0.15 PCB 194 2,2',3,3',4,4',5,5'-Octachlorobiphenyl 41.1 ± 5.7 PCB 199a .. 2,2',3,3',4,5,5',6'-Octachlorobiphenyl 7.61 ± 0.92 PCB 201a .. 2,2',3,3',4,5,5',6'-Octachlorobiphenyl 18.9 ± 1.0 PCB 202 2,2',3,3',5,5',6,6'-Octachlorobiphenyl 18.9 ± 2.8 PCB 206 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl 33.4 ± 2.4 PCB 207 2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl 3.96 ± 0.22 PCB 208 2,2',3,3',4,5,5',6'-Nonachlorobiphenyl 13.1 ± 0.78 PCB 209 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl 8.32 ± 0.60 Indicative values for further PCB congeners, chlorinated pesticides and PAHs	
NISTRM8704	布法罗河沉积物 – 金属元素 This Reference Material (RM) is intended primarily for use in the analysis of sediments, soils, or materials of a similar matrix. A unit of RM 8704 consists of 50 g of freeze-dried, radiation-sterilized, homogenized, river sediment that was collected from the Buffalo River in the area of the Ohio Street Bridge, Buffalo, New York. Reference values are given for 25 trace elements however these values are noncertified values that are the best estimate of the true value; the values do not meet the NIST criteria for certification and are provided with associated uncertainties that may not include all sources of uncertainty.	50 g
CLNSD2-100G	干净泥沙 #2 Clean Sediment #2 Metals analysis Al 3540 mg/kg As 2.0 mg/kg Ba 50 mg/kg Ca 20.5 meq/L Cation exchange capacity 13.9 meq/100g Fe 3160 mg/kg Hg 0.03 mg/kg Soil analysis Carbon (total)..... 1770 µg/g Carbonate (total as CaCO3) 4.6 % Conductivity (25°C) 14.9 mmhos/cm Exchangable acidity 11.3 meq/100g Cation exchange capacity 13.9 meq/100g Wet chemistry Nitrate as N, (soluble in water) 34.3 mg/kg Nitrogen, ammonia (KCl) 4.7 mg/kg Nitrogen, total Kjeldahl 0.13 % K 5.72 meq/L Mg 228 meq/L Mn 97.3 mg/kg Na 38.7 meq/L Se 0.40 mg/kg V 16.0 mg/kg Zn 21.3 mg/kg Organic matter 1.85 % pH 8.4 units Solids 86.0 % Sulfate (soluble in Water) 16700 mg/kg Sulfur (total) 12.7 % Phosphorus (extractable) 1.0 mg/kg Phosphorus (total) 0.02 %	100 g
CLNSD2-250G	干净泥沙 #2 Clean Sediment #2, 250g	250 g
CNS301-50G	淡水沉积物中微量元素 Trace Elements on Fresh Water Sediment Certified reference material, pack of 50 g (Sigma-Aldrich) Lot 002462 Certified values Ag 2.35 mg/kg Al 10900 mg/kg As 14.6 mg/kg Ba 137 mg/kg Cd 35.6 mg/kg Co 26.3 mg/kg Cr 30.7 mg/kg Cu 44.2 mg/kg Fe 12400 mg/kg Hg 0.815 mg/kg Mn 187 mg/kg Reference values Be 26.1 mg/kg Mo 38.9 mg/kg Ni 28.6 mg/kg Sb 20.1 mg/kg Se 8.24 mg/kg Sn 2.48 mg/kg V 88.4 mg/kg Zn 89.0 mg/kg COD 10.7 mg/kg Nitrogen, Kjeldahl 0.627 g/kg P (total) 0.348 g/kg	50 g

订货号	产品信息	包装
CNS329-50G	淡水土壤和沙中的多氯联苯和多溴联苯 PCBs and PBDEs on Fresh Water Sandy Loam Sediment Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot 010432 Certified values PCB 28 54.1 µg/kg PCB (total) 1330 µg/kg PCB 52 230 µg/kg PBDE 47 149 µg/kg PCB 101 390 µg/kg PBDE 99 192 µg/kg PCB 118 175 µg/kg PBDE 100 108 µg/kg PCB 138 226 µg/kg PBDE 153 160 µg/kg PCB 153 133 µg/kg PBDE 154 108 µg/kg PCB 180 104 µg/kg PBDE 183 52.6 µg/kg Reference values PBDE 209 81.7 µg/kg	50 g
CRM104-50G	泥沙1 - 多环芳烃 PAH - Sediment 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) The certified values were determined by USEPA SW846 (3rd edition) Methods 3540A (Soxhlet extraction) and 8270C (Semivolatile organics by GC/MS). Certified values Lot 016136 Naphthalene 2790 µg/kg 2,4-Dimethylphenol 3020 µg/kg Nitrobenzene 2470 µg/kg Dimethyl phthalate 2740 µg/kg 1,2,4-Trichlorobenzene 9430 µg/kg 2,4-Dinitrophenol 3050 µg/kg Acenaphthene 8580 µg/kg 2,4-Dinitrotoluene (2,4-DNT) 5060 µg/kg Anthracene 5950 µg/kg 2,6-Dinitrotoluene (2,6-DNT) 5730 µg/kg Benzo(a)anthracene..... 1690 µg/kg Di-n-octyl phthalate 12600 µg/kg Benzo(a)pyrene 3020 µg/kg bis(2-Ethylhexyl) phthalate (DEHP) 10700 µg/kg Benzo(b)fluoranthene 4740 µg/kg Fluoranthene 453 µg/kg Benzo(k)fluoranthene 1050 µg/kg Fluorene 8660 µg/kg 4-Bromophenyl phenyl ether 1860 µg/kg Hexachlorobenzene 5480 µg/kg Butyl benzyl phthalate 1550 µg/kg Hexachlorocyclopentadiene 6550 µg/kg 4-Chloro-3-methylphenol 2060 µg/kg Isophorone 9060 µg/kg bis(2-Chloroethoxy) methane 7090 µg/kg 2-Methyl-4,6-dinitrophenol 7920 µg/kg bis(2-Chloroisopropyl) ether 6960 µg/kg 2-Methylnaphthalene 3400 µg/kg 2-Chloronaphthalene 4450 µg/kg 2-Methylphenol (o-Cresol) 8190 µg/kg 2-Chlorophenol 8500 µg/kg 2-Methylphenol (p-Cresol) 7810 µg/kg 4-Chlorophenyl phenylether 10700 µg/kg 3+4-Methylphenol (m+p-Cresol) 9270 µg/kg Dibenzofuran 7240 µg/kg 2-Nitrophenol..... 6590 µg/kg Di-n-butyl phthalate..... 11700 µg/kg 4-Nitrophenol..... 6810 µg/kg 1,2-Dichlorobenzene 7210 µg/kg n-Nitrosodimethylamine 1720 µg/kg 1,3-Dichlorobenzene 3900 µg/kg n-Nitroso-di-n-propylamine 6510 µg/kg 1,4-Dichlorobenzene 2470 µg/kg Phenanthrene..... 5570 µg/kg Hexachlorobutadiene 5430 µg/kg Phenol 7930 µg/kg Hexachloroethane 4510 µg/kg Pyrene..... 3040 µg/kg 2,6-Dinitrophenol 4060 µg/kg 2,4,5-Trichlorophenol..... 10100 µg/kg Diethyl phthalate 2240 µg/kg	50 g

订货号	产品信息	包装
CRM132-10G	沉积物1 - 硝基芳烃 / 亚硝胺 Nitroaromatics/Nitrosamines - Sediment 1 Certified reference material, pkg of 10 g (Sigma-Aldrich) Lot LRAA0277 Nitrobenzene 3,520 ± 188 µg/Kg 1,3-Dinitrobenzene (1,3-DNB) 2,710 ± 145 µg/Kg 2,4-Dinitrotoluene (2,4-DNT) 9,100 ± 406 µg/Kg 2,6-Dinitrotoluene (2,6-DNT) 4,600 ± 246 µg/Kg Nitroglycerin 6,830 ± 365 µg/Kg 2-Amino-4,6-dinitrotoluene 2,810 ± 150 µg/Kg 4-Amino-2,6-dinitrotoluene 969 ± 51.8 µg/Kg RDX 2,150 ± 115 µg/Kg 2-Nitrotoluene 5,150 ± 275 µg/Kg 3-Nitrotoluene 8,360 ± 447 µg/Kg 4-Nitrotoluene 3,500 ± 187 µg/Kg HMX 1,490 ± 79.9 µg/Kg	10 g
CRM640-25G	沉积物 2 - 挥发性有机物 VOCs - Sediment 2 Certified reference material, pkg of 25 g (Sigma-Aldrich) Certified values Lot 014727 Acetone 20200 µg/kg Benzene 4610 µg/kg Bromobenzene 3650 µg/kg Bromodichloromethane 7950 µg/kg Bromoform 7100 µg/kg 2-Butanone (Methyl ethyl ketone, MEK) 18400 µg/kg Carbon tetrachloride 8640 µg/kg Chlorobenzene 3420 µg/kg Chloroethane 2960 µg/kg 1,2-Dibromo-3-chloropropane 7730 µg/kg Dibromochloromethane 2580 µg/kg Dibromomethane 7010 µg/kg 1,2-Dichlorobenzene 7440 µg/kg 1,3-Dichlorobenzene 4020 µg/kg 1,4-Dichlorobenzene 2370 µg/kg 1,1-Dichloroethane 6390 µg/kg 1,2-Dichloroethane 8500 µg/kg 1,1-Dichloroethylene 7200 µg/kg cis-1,2-Dichloroethylene 5460 µg/kg trans-1,3-Dichloropropene 2370 µg/kg trans-1,2-Dichloroethylene 6360 µg/kg Ethylbenzene 5490 µg/kg 2-Hexanone 15800 µg/kg Isopropylbenzene 4430 µg/kg Methyl bromide 1410 µg/kg Methyl chloride 4400 µg/kg Methylene chloride 9130 µg/kg 4-Methyl-2-pentanone (MIBK) 13900 µg/kg Methyl tert-butyl ether (MTBE) 5450 µg/kg Naphthalene 6090 µg/kg Styrene 6370 µg/kg 1,1,1,2-Tetrachloroethane 3220 µg/kg 1,1,2,2-Tetrachloroethane 4110 µg/kg Toluene 2700 µg/kg 1,2,4-Trichlorobenzene 340 µg/kg 1,1,1-Trichloroethane 7650 µg/kg Trichloroethene 7620 µg/kg Trichlorofluoromethane 5340 µg/kg 1,2,3-Trichloropropane 7330 µg/kg 1,2,4-Trimethylbenzene 13700 µg/kg 1,3,5-Trimethylbenzene 16300 µg/kg Vinyl chloride 8370 µg/kg m+p-Xylene 11500 µg/kg o-Xylene 2790 µg/kg Xylene 14500 µg/kg	25 g
CRM750-30G	沉积物 - 氰化物 Cyanide - Sediment Certified reference material, pkg of 30 g (Sigma-Aldrich) Lot 017081 Cyanide 65.3 ± 7.92 mg/Kg	30 g
CRM775-30G	沉积物 - 硫化物 Sulfide - Sediment Certified reference material, pkg of 30 g (Sigma-Aldrich) Lot 016383 Sulfide 41.3 ± 16.7 mg/Kg	30 g
CRM850-50G	沙1 - 毒杀芬 Toxaphene - Sediment 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) Assigned value Toxaphene (Chlorinated camphene) 198 ug/Kg	50 g
CRM851-50G	沉积物1 - 有机磷农药 OP Pesticides - Sediment 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot 002536 Certified values Azinphos-methyl (Guthion) 1.76 mg/kg Chlorfenvinphos 1.76 mg/kg Diazinon 0.217 mg/kg Malathion 4.14 mg/kg Parathion, methyl 5.80 mg/kg Parathion, ethyl 3.23 mg/kg Ronnel 2.14 mg/kg Tetrachlorvinphos 0.673 mg/kg Disulfoton 5.18 mg/kg	50 g

订货号	产品信息	包装
CRM852-50G	沉积物1 - 氯丹 Chlordane - Sediment 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) Certified value Lot 002531 Chlordane (total) 235µg/kg	50 g

环境基质标准品 - 土壤

订货号	产品信息	包装
BCR142R	轻砂土 - 微量元素 Light sandy soil - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values Cd 0.34 mg/kg Hg.....0.067 mg/kg Pb 40.2 mg/kg Co 12.1 mg/kg Mn970 mg/kg Cu 69.7 mg/kg Ni.....64.5 mg/kg Indicative values for Cr, Zn Aqua regia soluble content Certified values Cd 0.25 mg/kg Pb.....25.7 mg/kg Ni 61.1 mg/kg Zn93.3 mg/kg Indicative values for Co, Cr, Cu, Mn	40 g
ERMCC018	污染砂质土壤 - 微量元素 Contaminated sandy soil - Trace elements ERM® Certified reference material (Sigma-Aldrich) Aqua regia extractable elements according to ISO 11466 Arsenic (As) 22.9 ± 1.9 mg/kg Lead (Pb)289 ± 10 mg/kg Cadmium (Cd)0.5 mg/kg Mercury (Hg)8 ± 006 mg/kg Chromium (Cr)129 ± 6 mg/kg Nickel (Ni)25.8 ± 1.8 mg/kg Cobalt (Co)5.9 ± 0.4 mg/kg Vanadium (V) .. 19.4 ± 1.0 mg/kg Copper (Cu) 80 ± 4 mg/kg Zinc (Zn)..... 313 ± 13 mg/kg	55 g
ERMCC141	粘土 - 微量元素 Loam soil - Trace elements ERM®Certified reference material (Sigma-Aldrich) Certified values Total content As 9.9 ± 1.5 mg/kg Cu 14.4 ± 1.4 mg/kg Pb 41 ± 4 mg/kg Cd 0.35 ± 0.05 mg/kg Hg 0.083 ± 0.017 mg/kg Zn 57 ± 4 mg/kg Co 8.5 ± 0.5 mg/kg Mn 464 ± 18 mg/kg Cr 86 ± 8 mg/kg Ni 26.4 ± 2.4 mg/kg Aqua regia extractable content according to ISO 11466 As 7.5 ± 1.4 mg/kg Cu 12.4 ± 0.9 mg/kg Pb 32.2 ± 1.4 mg/kg Cd 0.25 ± 0.04 mg/kg Hg 0.080 ± 0.008 mg/kg Zn 50 ± 4 mg/kg Co 7.9 ± 0.9 mg/kg Mn 387 ± 17 mg/kg Cr 31 ± 4 mg/kg Ni 21.9 ± 1.6 mg/kg	24 g
ERMCC690	石灰性土壤 - 微量元素 Calcareous soil - Trace elements ERM®Certified reference material (Sigma-Aldrich) Certified values Ce..... 49.1 mg/kg Nd 19.1 mg/kg Th 7.64 mg/kg Dy 2.90 mg/kg Sc 7.81 mg/kg Tm 0.232 mg/kg Gd 3.25 mg/kg Sm 3.50 mg/kg U 1.90 mg/kg La 24.4 mg/kg Tb 0.503 mg/kg Yb 1.57 mg/kg Indicative values for: As, Au, Co, Cr, Cs, Cu, Er, Eu, Fe, Hf, Ho, Lu, Ni, Pb, Pr, Sb, Ta, W, Y and Zn	70 g
BCR461	粘土 (F-氟元素) Clay - Fluorine BCR®Certified reference material (Sigma-Aldrich) Certified value F..... 568 mg/kg ± 60 mg/kg	30 g

订货号	产品信息	包装																																																									
BCR481	工业土壤 (PCB-多氯联苯) Industrial soil - PCBs BCR® Certified reference material (Sigma-Aldrich) <table> <tr> <th>Compound</th><th>Certified value</th><th>Uncertainty</th></tr> <tr> <th>(IUPAC Code)</th><th>mg/kg</th><th>mg/kg</th></tr> <tr> <td>PCB 101</td><td>37.....</td><td>3</td></tr> <tr> <td>PCB 118</td><td>9.4.....</td><td>0.7</td></tr> <tr> <td>PCB 128</td><td>9.1.....</td><td>0.8</td></tr> <tr> <td>PCB 149</td><td>97.....</td><td>7</td></tr> <tr> <td>PCB 153</td><td>137.....</td><td>7</td></tr> <tr> <td>PCB 156</td><td>7.0.....</td><td>0.5</td></tr> <tr> <td>PCB 170</td><td>52.....</td><td>4</td></tr> <tr> <td>PCB 180</td><td>124.....</td><td>6</td></tr> </table>	Compound	Certified value	Uncertainty	(IUPAC Code)	mg/kg	mg/kg	PCB 101	37.....	3	PCB 118	9.4.....	0.7	PCB 128	9.1.....	0.8	PCB 149	97.....	7	PCB 153	137.....	7	PCB 156	7.0.....	0.5	PCB 170	52.....	4	PCB 180	124.....	6	25 g																											
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BCR524	污染工业土壤 (PAH-多环芳烃) Contaminated industrial soil - PAHs BCR® Certified reference material (Sigma-Aldrich) <table> <tr> <th>Compound</th><th>Certified value</th><th>Uncertainty</th></tr> <tr> <th></th><th>mg/kg</th><th>mg/kg</th></tr> <tr> <td>Pyrene</td><td>173.....</td><td>11</td></tr> <tr> <td>Benzo(a)anthracene.....</td><td>22.5.....</td><td>1.8</td></tr> <tr> <td>Benzo(a)pyrene.....</td><td>8.6.....</td><td>0.5</td></tr> <tr> <td>Benzo(e)pyrene.....</td><td>10.6.....</td><td>1.4</td></tr> <tr> <td>Benzo(b)fluoranthene.....</td><td>13.5.....</td><td>1.6</td></tr> <tr> <td>Benzo(k)fluoranthene.....</td><td>6.2.....</td><td>0.7</td></tr> <tr> <td>Benzo(b)naphtho(2,1-d)thiophene</td><td>3.8.....</td><td>0.6</td></tr> <tr> <td>Indeno(1,2,3-cd)pyrene.....</td><td>5.1.....</td><td>0.4</td></tr> <tr> <td>Pentachlorophenol</td><td>0.034.....</td><td>0.005</td></tr> </table>	Compound	Certified value	Uncertainty		mg/kg	mg/kg	Pyrene	173.....	11	Benzo(a)anthracene.....	22.5.....	1.8	Benzo(a)pyrene.....	8.6.....	0.5	Benzo(e)pyrene.....	10.6.....	1.4	Benzo(b)fluoranthene.....	13.5.....	1.6	Benzo(k)fluoranthene.....	6.2.....	0.7	Benzo(b)naphtho(2,1-d)thiophene	3.8.....	0.6	Indeno(1,2,3-cd)pyrene.....	5.1.....	0.4	Pentachlorophenol	0.034.....	0.005	40 g																								
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Indeno(1,2,3-cd)pyrene.....	5.1.....	0.4																																																									
Pentachlorophenol	0.034.....	0.005																																																									
BCR529	工业砂土 (PCDD - 二噁英、PCDF - 多氯代二苯并呋喃) Industrial sandy soil - PCDDs and PCDFs BCR® Certified reference material (Sigma-Aldrich) <table> <tr> <th>Compound</th><th>Certified value</th><th>Uncertainty</th></tr> <tr> <th></th><th>mg/kg</th><th>mg/kg</th></tr> <tr> <td>1,2,3-Trichlorobenzene</td><td>0.63</td><td>0.11</td></tr> <tr> <td>3,4-Dichlorophenol</td><td>0.23</td><td>0.04</td></tr> <tr> <td>2,4,5-Trichlorophenol.....</td><td>1.51</td><td>0.10</td></tr> <tr> <td>Pentachlorophenol.....</td><td>0.23</td><td>0.04</td></tr> <tr> <th></th><th>µg/kg</th><th>µg/kg</th></tr> <tr> <td>2,3,7,8-TCDD</td><td>4.5</td><td>0.6</td></tr> <tr> <td>1,2,3,7,8-PeCDD</td><td>0.44</td><td>0.05</td></tr> <tr> <td>1,2,3,4,7,8-HxCDD</td><td>1.2</td><td>0.3</td></tr> <tr> <td>1,2,3,6,7,8-HxCDD</td><td>5.4</td><td>0.9</td></tr> <tr> <td>1,2,3,7,8,9-HxCDD</td><td>3.0</td><td>0.4</td></tr> <tr> <td>2,3,7,8-TCDF</td><td>0.078</td><td>0.013</td></tr> <tr> <td>1,2,3,7,8-PeCDF</td><td>0.14</td><td>0.03</td></tr> <tr> <td>2,3,4,7,8-PeCDF</td><td>0.36</td><td>0.07</td></tr> <tr> <td>1,2,3,4,7,8-HxCDF</td><td>3.4</td><td>0.5</td></tr> <tr> <td>1,2,3,6,7,8-HxCDF</td><td>1.09</td><td>0.15</td></tr> <tr> <td>1,2,3,7,8,9-HxCDF</td><td>0.022</td><td>0.010</td></tr> <tr> <td>2,3,4,6,7,8-HxCDF</td><td>0.37</td><td>0.04</td></tr> </table>	Compound	Certified value	Uncertainty		mg/kg	mg/kg	1,2,3-Trichlorobenzene	0.63	0.11	3,4-Dichlorophenol	0.23	0.04	2,4,5-Trichlorophenol.....	1.51	0.10	Pentachlorophenol.....	0.23	0.04		µg/kg	µg/kg	2,3,7,8-TCDD	4.5	0.6	1,2,3,7,8-PeCDD	0.44	0.05	1,2,3,4,7,8-HxCDD	1.2	0.3	1,2,3,6,7,8-HxCDD	5.4	0.9	1,2,3,7,8,9-HxCDD	3.0	0.4	2,3,7,8-TCDF	0.078	0.013	1,2,3,7,8-PeCDF	0.14	0.03	2,3,4,7,8-PeCDF	0.36	0.07	1,2,3,4,7,8-HxCDF	3.4	0.5	1,2,3,6,7,8-HxCDF	1.09	0.15	1,2,3,7,8,9-HxCDF	0.022	0.010	2,3,4,6,7,8-HxCDF	0.37	0.04	50 g
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BCR530	工业粘土 (PCDD - 二噁英、PCDF - 呋喃) Industrial clay soil - Dioxins and furans BCR® Certified reference material (Sigma-Aldrich) <table> <tr> <th>Compound</th><th>Certified value</th><th>Uncertainty</th></tr> <tr> <th></th><th>mg/kg</th><th>mg/kg</th></tr> <tr> <td>1,2,3-Trichlorobenzene</td><td>15</td><td>4</td></tr> <tr> <td>3,4-Dichlorophenol</td><td>6.0</td><td>0.5</td></tr> <tr> <td>2,4,5-Trichlorophenol.....</td><td>40</td><td>7</td></tr> <tr> <td>Pentachlorophenol.....</td><td>0.47</td><td>0.08</td></tr> <tr> <th></th><th>µg/kg</th><th>µg/kg</th></tr> <tr> <td>1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin</td><td>0.061</td><td>0.011</td></tr> <tr> <td>1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin</td><td>0.022</td><td>0.003</td></tr> <tr> <td>1,2,3,7,8-Pentachlorodibenzofuran</td><td>0.24</td><td>0.04</td></tr> <tr> <td>2,3,4,7,8-Pentachlorodibenzofuran</td><td>0.62</td><td>0.07</td></tr> <tr> <td>1,2,3,4,7,8-Hexachlorodibenzofuran</td><td>0.321</td><td>0.015</td></tr> <tr> <td>1,2,3,6,7,8-Hexachlorodibenzofuran</td><td>0.19</td><td>0.03</td></tr> <tr> <td>2,3,4,6,7,8-Hexachlorodibenzofuran</td><td>0.126</td><td>0.012</td></tr> </table>	Compound	Certified value	Uncertainty		mg/kg	mg/kg	1,2,3-Trichlorobenzene	15	4	3,4-Dichlorophenol	6.0	0.5	2,4,5-Trichlorophenol.....	40	7	Pentachlorophenol.....	0.47	0.08		µg/kg	µg/kg	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.061	0.011	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.022	0.003	1,2,3,7,8-Pentachlorodibenzofuran	0.24	0.04	2,3,4,7,8-Pentachlorodibenzofuran	0.62	0.07	1,2,3,4,7,8-Hexachlorodibenzofuran	0.321	0.015	1,2,3,6,7,8-Hexachlorodibenzofuran	0.19	0.03	2,3,4,6,7,8-Hexachlorodibenzofuran	0.126	0.012	50 g															
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订货号	产品信息	包装																																				
BCR700	富含有机物的土壤，并经过调和 EDTA 和乙酸萃取（可萃取的微量元素） Organic rich soil - Extractable trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values EDTA Cd 65.2 mg/kg Cu 89.4 mg/kg Pb..... 103 mg/kg Cr 10.1 mg/kg Ni 53.2 mg/kg Zn 510 mg/kg Acetic acid Cd 67.5 mg/kg Cu 36.3 mg/kg Pb..... 4.85 mg/kg Cr 19 mg/kg Ni 99 mg/kg Zn 719 mg/kg	40 g																																				
ERMCC007A	土壤 - 农药 Soil - Pesticides ERM®Certified reference material (Sigma-Aldrich) Certified values alpha-HCH 219 ± 23 µg/kg 4,4'-DDE 380 ± 60 µg/kg beta-HCH 1570 ± 210 µg/kg 2,4'-DDT 340 ± 50 µg/kg gamma-HCH 21.4 ± 2.6 µg/kg 4,4'-DDT 960 ±140 µg/kg	103 g																																				
ERM-CC008	土壤 - 五氯苯酚 Soil - Pentachlorophenol ERM®Certified reference material (Sigma-Aldrich) Certified value Pentachlorophenol... 2.04 mg/kg	30 g																																				
ERMCC009	土壤 - 五氯苯酚 Soil - Pentachlorophenol ERM®Certified reference material (Sigma-Aldrich) Certified value Pentachlorophenol... 2.91 mg/kg	30 g																																				
ERMCC010	土壤 - AOX (DIN 38414 Part 18) Soil - AOX (DIN 38414 Part 18) ERM®Certified reference material (Sigma-Aldrich) Certified value AOX 1349.4 mg/kg AOX - Absorbed Organically Bound Halogens	5.7 g																																				
ERMCC011	土壤 - (DIN 38414 Part 18) Soil - AOX (DIN 38414 Part 18) ERM® Certified reference material (Sigma-Aldrich) Certified value AOX 80.4 mg/kg AOX - Absorbed Organically Bound Halogens	4.2 g																																				
IRMM4431	欧洲标准土 1（农药） EUROSOIL 1 IRMM® Certified reference material (Sigma-Aldrich) <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>7.0</td><td>1/n of 2,4-D ⁽¹⁾.....</td><td>0.9</td></tr><tr><td>1/n of Atrazine ⁽¹⁾</td><td>0.91</td><td>pH in Water ⁽²⁾</td><td>6.21</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>2.5</td><td>pH in 0.01M CaCl₂⁽¹⁾</td><td>5.65</td></tr><tr><td colspan="4">Non-certified indicative values</td></tr><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Lindane ⁽¹⁾</td><td>68</td><td>Organic carbon content</td><td>32.7 g/kg</td></tr><tr><td>1/n of Lindane⁽¹⁾</td><td>0.9</td><td>Total nitrogen content.....</td><td>3.4 g/kg</td></tr><tr><td>Total carbon content.....</td><td>33.9 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO Standard 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	7.0	1/n of 2,4-D ⁽¹⁾	0.9	1/n of Atrazine ⁽¹⁾	0.91	pH in Water ⁽²⁾	6.21	Kf of 2,4-D ⁽¹⁾	2.5	pH in 0.01M CaCl ₂ ⁽¹⁾	5.65	Non-certified indicative values				Parameter	Value	Parameter	Value	Kf of Lindane ⁽¹⁾	68	Organic carbon content	32.7 g/kg	1/n of Lindane ⁽¹⁾	0.9	Total nitrogen content.....	3.4 g/kg	Total carbon content.....	33.9 g/kg			200 g
Parameter	Value	Parameter	Value																																			
Kf of Atrazine ⁽¹⁾	7.0	1/n of 2,4-D ⁽¹⁾	0.9																																			
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Total carbon content.....	33.9 g/kg																																					
IRMM4432	欧洲标准土 2（农药） EUROSOIL 2 IRMM® Certified reference material (Sigma-Aldrich) <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>2.7</td><td>Kf of Lindane⁽¹⁾</td><td>48</td></tr><tr><td>1/n of Atrazine ⁽¹⁾</td><td>0.93</td><td>1/n of Lindane⁽¹⁾</td><td>0.98</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>0.99</td><td>pH in Water ⁽²⁾.....</td><td>8.1</td></tr><tr><td>1/n of 2,4-D ⁽¹⁾</td><td>0.96</td><td>pH in 0.01M CaCl₂⁽²⁾</td><td>7.5</td></tr><tr><td colspan="4">Non-certified indicative values</td></tr><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Total carbon content.....</td><td>108.1 g/kg</td><td>Total nitrogen content.....</td><td>2.5 g/kg</td></tr><tr><td>Organic carbon content</td><td>37.2 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	2.7	Kf of Lindane ⁽¹⁾	48	1/n of Atrazine ⁽¹⁾	0.93	1/n of Lindane ⁽¹⁾	0.98	Kf of 2,4-D ⁽¹⁾	0.99	pH in Water ⁽²⁾	8.1	1/n of 2,4-D ⁽¹⁾	0.96	pH in 0.01M CaCl ₂ ⁽²⁾	7.5	Non-certified indicative values				Parameter	Value	Parameter	Value	Total carbon content.....	108.1 g/kg	Total nitrogen content.....	2.5 g/kg	Organic carbon content	37.2 g/kg			200 g
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IRMM4433	欧洲标准土 3（农药） EUROSOIL 3 IRMM® Certified reference material (Sigma-Aldrich) Certified values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>2.4</td><td>1/n of 2,4-D⁽¹⁾</td><td>0.93</td></tr><tr><td>1/n of Atrazine⁽¹⁾</td><td>0.91</td><td>pH in Water ⁽²⁾</td><td>6.2</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>1.31</td><td>pH in 0.01M CaCl₂⁽²⁾</td><td>5.5</td></tr></table> Non-certified indicative values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Lindane ⁽¹⁾</td><td>36</td><td>Organic carbon content</td><td>30.1 g/kg</td></tr><tr><td>1/n of Lindane⁽¹⁾</td><td>1.0</td><td>Total nitrogen content.....</td><td>3.1 g/kg</td></tr><tr><td colspan="2">Total carbon content.....32.5 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	2.4	1/n of 2,4-D ⁽¹⁾	0.93	1/n of Atrazine ⁽¹⁾	0.91	pH in Water ⁽²⁾	6.2	Kf of 2,4-D ⁽¹⁾	1.31	pH in 0.01M CaCl ₂ ⁽²⁾	5.5	Parameter	Value	Parameter	Value	Kf of Lindane ⁽¹⁾	36	Organic carbon content	30.1 g/kg	1/n of Lindane ⁽¹⁾	1.0	Total nitrogen content.....	3.1 g/kg	Total carbon content.....32.5 g/kg				200 g
Parameter	Value	Parameter	Value																															
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IRMM4434	欧洲标准土 4（农药） EUROSOIL 4 IRMM®Certified reference material (Sigma-Aldrich) Certified values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>0.7</td><td>Kf of Lindane⁽¹⁾</td><td>8.3</td></tr><tr><td>1/n of Atrazine⁽¹⁾.....</td><td>0.87</td><td>1/n of Lindane⁽¹⁾</td><td>0.96</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>0.39</td><td>pH in Water⁽²⁾</td><td>7.5</td></tr><tr><td>1/n of 2,4-D ⁽¹⁾</td><td>0.86</td><td>pH in 0.01M CaCl₂⁽²⁾</td><td>6.8</td></tr></table> Non-certified indicative values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Total carbon content.....</td><td>14.5 g/kg</td><td>Total nitrogen content.....</td><td>1.6 g/kg</td></tr><tr><td>Organic carbon content</td><td>13.1 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	0.7	Kf of Lindane ⁽¹⁾	8.3	1/n of Atrazine ⁽¹⁾	0.87	1/n of Lindane ⁽¹⁾	0.96	Kf of 2,4-D ⁽¹⁾	0.39	pH in Water ⁽²⁾	7.5	1/n of 2,4-D ⁽¹⁾	0.86	pH in 0.01M CaCl ₂ ⁽²⁾	6.8	Parameter	Value	Parameter	Value	Total carbon content.....	14.5 g/kg	Total nitrogen content.....	1.6 g/kg	Organic carbon content	13.1 g/kg			200 g
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Total carbon content.....	14.5 g/kg	Total nitrogen content.....	1.6 g/kg																															
Organic carbon content	13.1 g/kg																																	
IRMM4435	欧洲标准土 5（农药） EUROSOIL 5 IRMM® Certified reference material (Sigma-Aldrich) Certified values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>13</td><td>1/n of 2,4-D ⁽¹⁾</td><td>0.9</td></tr><tr><td>1/n of Atrazine⁽¹⁾</td><td>0.9</td><td>pH in Water ⁽²⁾</td><td>4.1</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>18</td><td>pH in 0.01M CaCl₂⁽²⁾</td><td>3.1</td></tr></table> Non-certified indicative values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Lindane ⁽¹⁾.....</td><td>99</td><td>Organic carbon content</td><td>59.6 g/kg</td></tr><tr><td>1/n of Lindane⁽¹⁾</td><td>0.9</td><td>Total nitrogen content.....</td><td>2.3 g/kg</td></tr><tr><td colspan="2">Total carbon content.....64.3 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	13	1/n of 2,4-D ⁽¹⁾	0.9	1/n of Atrazine ⁽¹⁾	0.9	pH in Water ⁽²⁾	4.1	Kf of 2,4-D ⁽¹⁾	18	pH in 0.01M CaCl ₂ ⁽²⁾	3.1	Parameter	Value	Parameter	Value	Kf of Lindane ⁽¹⁾	99	Organic carbon content	59.6 g/kg	1/n of Lindane ⁽¹⁾	0.9	Total nitrogen content.....	2.3 g/kg	Total carbon content.....64.3 g/kg				200 g
Parameter	Value	Parameter	Value																															
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1/n of Lindane ⁽¹⁾	0.9	Total nitrogen content.....	2.3 g/kg																															
Total carbon content.....64.3 g/kg																																		
IRMM4437	欧洲标准土 7（农药） EUROSOIL 7 IRMM® Certified reference material (Sigma-Aldrich) Certified values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Atrazine⁽¹⁾.....</td><td>4.8</td><td>1/n of 2,4-D ⁽¹⁾</td><td>0.88</td></tr><tr><td>1/n of Atrazine ⁽¹⁾.....</td><td>0.92</td><td>pH in Water⁽²⁾</td><td>5.1</td></tr><tr><td>Kf of 2,4-D ⁽¹⁾</td><td>8.2</td><td>pH in 0.01M CaCl₂⁽²⁾</td><td>4.3</td></tr></table> Non-certified indicative values <table><tr><td>Parameter</td><td>Value</td><td>Parameter</td><td>Value</td></tr><tr><td>Kf of Lindane ⁽¹⁾</td><td>58</td><td>Organic carbon content</td><td>56.2 g/kg</td></tr><tr><td>1/n of Lindane⁽¹⁾</td><td>0.9</td><td>Total nitrogen content.....</td><td>4.8 g/kg</td></tr><tr><td colspan="2">Total carbon content.....58.7 g/kg</td><td></td><td></td></tr></table> ⁽¹⁾ Determination according OECD Test guideline 106 ⁽²⁾ Measurement based on ISO 10390	Parameter	Value	Parameter	Value	Kf of Atrazine ⁽¹⁾	4.8	1/n of 2,4-D ⁽¹⁾	0.88	1/n of Atrazine ⁽¹⁾	0.92	pH in Water ⁽²⁾	5.1	Kf of 2,4-D ⁽¹⁾	8.2	pH in 0.01M CaCl ₂ ⁽²⁾	4.3	Parameter	Value	Parameter	Value	Kf of Lindane ⁽¹⁾	58	Organic carbon content	56.2 g/kg	1/n of Lindane ⁽¹⁾	0.9	Total nitrogen content.....	4.8 g/kg	Total carbon content.....58.7 g/kg				200 g
Parameter	Value	Parameter	Value																															
Kf of Atrazine ⁽¹⁾	4.8	1/n of 2,4-D ⁽¹⁾	0.88																															
1/n of Atrazine ⁽¹⁾	0.92	pH in Water ⁽²⁾	5.1																															
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Total carbon content.....58.7 g/kg																																		

订货号	产品信息	包装
NIST2586	由油漆带来的含铅土壤 - 微量元素 Soil containing lead from paint - Trace elements NIST® SRM® 2586, nominal 500 mg/kg lead (Sigma-Aldrich) Soil collected from urban areas where the principal source of lead is believed to be from old lead-based house paint. Certified values As 8.7 mg/kg Cr 301 mg/kg Cd 2.71 mg/kg Pb 432 mg/kg Indicative values for a wide range of additional elements	55 g
NIST2587	由油漆带来的含铅土壤 - 微量元素 Soil containing lead from paint - Trace elements NIST® SRM® 2587, nominal 3000 mg/kg lead (Sigma-Aldrich) Soil collected from a suburban garden known to have been contaminated by lead-based house paint. Certified values As 13.7 mg/kg Cr 92 mg/kg Cd 1.92 mg/kg Pb 3242 mg/kg Indicative values for a wide range of additional elements	55 g
NIST2701	受污染的土壤 - 六价铬(high level) Contaminated soil - Hexavalent chromium (high level) NIST® SRM® 2701 (Sigma-Aldrich) Certified values Hexavalent Cr 551.2 mg/kg ± 34.5 mg/kg Fe 23.73 % ± 0.19 % Total Cr 4.26 % ± 0.12 % Mn 0.2137 % ± 0.0014 % Indicative values for selected elements.	75 g
NIST2709A	圣华金土壤 - 微量和构成要素(baseline) San Joaquin soil - Trace and constituent elements (baseline) NIST® SRM® 2709a (Sigma-Aldrich) Certified values Aluminum 7.37 ± 0.16 % Iron 3.36 ± 0.07 % Sodium 1.22 ± 0.03 % Antimony 1.55 ± 0.06 mg/kg Lead 17.3 ± 0.1 mg/kg Strontium 239 ± 6 mg/kg Calcium 1.91 ± 0.09 % Magnesium 1.46 ± 0.02 % Titanium 0.336 ± 0.007 % Barium 979 ± 28 mg/kg Manganese 529 ± 18 mg/kg Vanadium 110 ± 11 mg/kg Cadmium 0.371 ± 0.002 Phosphorus . 0.0688 ± 0.0013 % Zirconium 195 ± 46 mg/kg Chromium 130 ± 9 mg/kg Potassium 2.11 ± 0.06 % Cobalt 12.8 ± 0.2 mg/kg Silicon 30.3 ± 0.4 %	50 g
NIST2710A	蒙大纳I土壤 - 微量和常量元素(highly elevated) Montana I soil - Trace and constituent elements (highly elevated) NIST® SRM® 2710a (Sigma-Aldrich) Certified values Aluminum 5.95 ± 0.05 % Iron 4.32 ± 0.08 % Silicon 31.1 ± 0.4 % Antimony 52.5 ± 1.6 mg/kg Lanthanum 30.6 ± 1.2 mg/kg Sodium 0.894 ± 0.019 % Arsenic 0.154 ± 0.010 % Lead 0.552 ± 0.003 % Strontium 255 ± 7 mg/kg Barium 792 ± 36 mg/kg Magnesium 0.734 ± 0.038 % Titanium 0.311 ± 0.007 % Calcium 0.964 ± 0.045 % Manganese 0.214 ± 0.006 % Uranium 9.11 ± 0.30 mg/kg Cadmium 12.3 ± 0.3 mg/kg Mercury 9.88 ± 0.21 mg/kg Zinc 0.418 ± 0.015 % Cobalt 5.99 ± 0.14 mg/kg Phosphorus 0.105 ± 0.004 % Copper 0.342 ± 0.005 % Potassium 2.17 ± 0.13 %	50 g
NIST2711A	蒙大纳II土壤 - 微量和常量元素(mod. elevated) Montana II Soil - Trace and constituent elements (mod. elevated) NIST® SRM® 2711a (Sigma-Aldrich) This Standard Reference Material (SRM®) is intended primarily for use in the analysis of soils, sediments, or other materials of a similar matrix. One unit of NIST-2711a consists of 50 g of the dried, powdered soil. Al 6.72 ± 0.06 % Hg 7.42 ± 0.18 mg/kg Sb 23.8 ± 1.4 mg/kg As 107 ± 5 mg/kg K 2.53 ± 0.10 % Si 31.4 ± 0.7 % Ba 730 ± 15 mg/kg Mg 1.07 ± 0.06 % Sr 242 ± 10 mg/kg Ca 2.42 ± 0.06 % Mn 675 ± 18 mg/kg Ti 0.317 ± 0.008 % Ca 54.1 ± 0.5 mg/kg Na 1.20 ± 0.01 % U 3.01 ± 0.12 mg/kg Co 9.89 ± 0.18 mg/kg Ni 21.7 ± 0.7 mg/kg V 80.7 ± 5.7 mg/kg Cr 52.3 ± 2.9 mg/kg P 842 ± 11 mg/kg Zn 414 ± 11 mg/kg Cu 140 ± 2 mg/kg Pb 0.140 ± 0.001 % Fe 2.82 ± 0.04 % Sa 5.93 ± 0.28 mg/kg	50 g

订货号	产品信息	包装
CLNLOAM6-100G	清洁壤砂土 Clean Loam Soil Metals analysis Al 3860 mg/kg As 2.0 mg/kg Ba 5.0 mg/kg Ca 20.5 meq/L Cation exchange capacity 13.9 meq/100g Fe 383 mg/kg Hg 0.03 mg/kg Soil analysis Carbon (total)..... 183 µg/g Carbonate (total as CaCO3) 4.6 % Conductivity (25°C) 14.9 mmhos/cm Exchangeable acidity 11.3 meq/100g Organic matter 1.85 % Wet chemistry Nitrate as N (soluble in water) 30.3 mg/kg Nitrogen (total Kjeldahl) 0.13 % Nitrogen (ammonia, KCl) 0.02 mg/kg	100 g
CLNLOAM6-250G	清洁壤砂土 250G Clean Loam Soil 250G	250 g
CLNSAND4-100G	清洁沙子 #4 Clean Sand #4 Metals analysis Al 1400 mg/kg Ba 5.2 mg/kg Ca 5.8 meq/L Cation exchange capacity 2.0 meq/100g Soil analysis Carbon (total)..... 240 µg/g Carbonate (total as CaCO3) 1.5 % Conductivity (25°C) 0.67 mmhos/cm Exchangeable acidity 9.9 meq/100g Wet chemistry Phosphorus (total) 0.01 %	100 g
CLNSAND4-250G	清洁沙子 #4 250g Clean Sand #4 250g	250 g
CLNSOIL1-100G	清洁壤砂土#1 Clean Loam Soil #1 Lot CF001 Metals analysis reference values Al 1400 mg/kg As 0.33 mg/kg Ba..... 23.1 mg/kg Ca (soluble) 5.8 meq/L Cation Exchange Capacity 2.0 meq/100g Co 0.33 mg/kg Cr (total) 3.3 mg/kg Cu 2.0 mg/kg Soil analysis reference values Carbon (total) 5620 µg/g Carbonate as CaCO3 (total) 2.5 % Conductivity (25°C)..... 0.67 mmhos/cm Exchangeable acidity..... 9.9 meq/100g Wet chemistry reference values Nitrate as N (soluble) 1.2 mg/kg Nitrogen, ammonia (KCl) 2.0 mg/kg	100 g
CLNSOIL1-250G	清洁壤砂土#1 250g Clean Loam Soil #1, 250g	250 g

订货号	产品信息	包装
CLNSOIL2-100G	清洁土壤#2 Clean Soil #2 Lot CF002 Metals analysis reference values Al 3540 mg/kg As 2.0 mg/kg Ba..... 50.0 mg/kg Ca (soluble) 20.5 meq/L Cation Exchange Capacity 13.9 meq/100g Fe 3160 mg/kg Hg 0.03 mg/kg K (soluble)..... 5.72 meq/L Soil analysis reference values Carbon (total) 1770 µg/g Carbonate as CaCO3 (total) 4.6 % Conductivity (25°C)..... 14.9 mmhos/cm Exchangeable acidity..... 11.3 meq/100g Organic matter 1.85 % Wet chemistry reference values Nitrate as N (soluble) 34.3 mg/kg Nitrogen, ammonia (KCl) 4.7 mg/kg Nitrogen (total Kjeldahl) 0.13 %	100 g
CLNSOIL2-250G	清洁土壤 #2 250g Clean Soil #2, 250g	250 g
CLNSOIL3-100G	清洁土壤 #3 Clean Soil #3 Lot CF003 Metals analysis reference values Al 11000 mg/kg As 2.0 mg/kg Ba 204 mg/kg Be 0.70 mg/kg Ca (soluble) 11.0 meq/L Cd 0.53 mg/kg Co 9.3 mg/kg Cr (total) 9.0 mg/kg Cu 9.7 mg/kg Cation Exchange Capacity 14.7 meq/100g Fe 27000 mg/kg Soil analysis reference values Carbon (total)..... 45100 µg/g Carbonate as CaCO3 (total) 0.04 % Conductivity (25°C) 1.27 mmhos/cm Exchangeable acidity 19.1 meq/100g Organic matter 5.96 % Wet chemistry reference values Nitrate as N (soluble) 0.57 mg/kg Nitrogen, ammonia (KCl) 5.17 mg/kg Nitrogen (total Kjeldahl) 0.19 %	100 g
CLNSOIL3-250G	清洁土壤 #3, 250g Clean Soil #3, 250g	250 g
CLNSOIL5-100G	清洁泥土 #5 Clean Clay #5 Lot 014530 Metals analysis reference values Al 4400 mg/kg Ba 5.2 mg/kg Ca (soluble) 5.8 meq/L Cation Exchange Capacity 2.0 meq/100g Soil analysis reference values Carbon (total)..... 20 µg/g Carbonate as CaCO3 (total) 3.5 % Conductivity (25°C) 0.67 mmhos/cm Exchangeable acidity 9.9 meq/100g Wet chemistry reference values P (total) 0.01 %	100 g

订货号	产品信息	包装
CLNSOIL5-250G	清洁泥土 #5, 250g Clean Clay Soil #5, 250g	250 g
CRM004-100G	硅藻土 - 微量金属元素 Trace Metals - Diatomaceous Earth Certified reference material, pkg of 100 g (Sigma-Aldrich) Lot AY04 Certified values Ba 1590 ± 40.6 mg/kg Cd 2.40 ± 0.372 mg/kg Informational values Ag 1 mg/kg Al 28900 mg/kg As <0.1mg/kg B 1160 mg/kg Ba 5 mg/kg Be <0.1mg/kg Ca 28100 mg/kg Cd 4 mg/kg Co 138 mg/kg Cu 19 mg/kg Fe <500 mg/kg Hg 3 mg/kg K <500 mg/kg Cr (total) 21.4 ± 2.98 mg/kg Pb 11900 ± 406mg/kg Mg 17100 mg/kg Mn 91 mg/kg Mo 4mg/kg Na 4160 mg/kg Ni 138 mg/kg P <10 mg/kg Se 2050 mg/kg Sn 586 mg/kg Sr 82 mg/kg Tl 30 mg/kg V 20 mg/kg Zn 8470 mg/kg pH 3.46 units	100 g
CRM005-50G	污水处理土壤 - 微量金属元素 Trace Metals - Sewage Amended Soil Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot 019718 Aluminum, Al 12,900 ± 1480 mg/Kg Antimony, Sb 64.3 ± 7.59 mg/Kg Arsenic, As 38.6 ± 1.30 mg/Kg Barium, Ba 826 ± 19.5 mg/Kg Beryllium, Be 43.3 ± 1.02 mg/Kg Boron, B 97.8 ± 2.97 mg/Kg Cadmium, Cd 45.9 ± 1.03 mg/Kg Calcium, Ca 23,000 ± 520 mg/Kg Chromium, Cr (total) 59.9 ± 1.87 mg/Kg Cobalt, Co 44.8 ± 1.22 mg/Kg Copper, Cu 368 ± 7.16 mg/Kg Iron, Fe 14,800 ± 357 mg/Kg Lead, Pb 87.9 ± 2.13 mg/Kg Lithium, Li 101 ± 6.43 mg/Kg Magnesium, Mg 6,630 ± 176 mg/Kg Manganese, Mn 192 ± 8.15 mg/Kg Mercury, Hg 3.22 ± 0.134 mg/Kg Molybdenum, Mo 33.5 ± 1.17 mg/Kg Nickel, Ni 52.5 ± 1.44 mg/Kg Potassium, K 6,440 ± 176 mg/Kg Selenium, Se 28.4 ± 1.81 mg/Kg Silicon, Si 539 ± 215 mg/Kg Silver, Ag 30.6 ± 1.02 mg/Kg Sodium, Na 2,500 ± 62.7 mg/Kg Strontium, Sr 129 ± 5.31 mg/Kg Thallium, Tl 42.1 ± 1.38 mg/Kg Tin, Sn 105 ± 4.02 mg/Kg Titanium, Ti 38.0 ± 5.54 mg/Kg Vanadium, V 128 ± 3.40 mg/Kg Zinc, Zn 584 ± 13.7 mg/Kg pH 6.86 ± 0.207 Phosphorus, P 3,330 ± 151 mg/Kg	50 g
CRM020-50G	砂壤土 2 - 微量金属元素 Trace Metals - Sandy Loam 2 Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot D020 Certified values Ag 38.5 ± 0.526 mg/kg Al 1760 ± 86.4 mg/kg As 400 ± 4.33 mg/kg Ba 24.8 ± 1.02 mg/kg Ca 25600 ± 846 mg/kg Cd 15.4 ± 0.248 mg/kg Co 4.51 ± 0.220 mg/kg Cu 729 ± 5.57 mg/kg Fe 192000 ± 4870 mg/kg Informational values K 857 mg/kg Na 79.2 mg/kg Hg 1.12 ± 0.0279 mg/kg Mg 2690 ± 28.2 mg/kg Mn 945 ± 7.43 mg/kg Ni 16.9 ± 0.402 mg/kg Pb 5110 ± 50.8 mg/kg Se 6.57 ± 0.446 mg/kg Tl 5.91 ± 0.301 mg/kg V 6.47 ± 0.427 mg/kg Zn 3010 ± 22.3 mg/kg Sr 24.7 mg/kg pH 2.96 units	50 g

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CRM021-100G	砂壤土 3 - 微量金属元素 Trace Metals - Sandy Loam 3 Certified reference material, pkg of 100 g (Sigma-Aldrich) Lot E021 Certified values Ag..... 6.50 ± 0.403 mg/kg Al 2730 ± 184 mg/kg As 24.8 ± 2.46 mg/kg Ba..... 586 ± 8.70 mg/kg Ca 5430 ± 154 mg/kg Cd 1.20 ± 0.0893 mg/kg Cr (total) 10.7 ± 1.03 mg/kg Cu 4790 ± 216 mg/kg Informational values Co 2.7 mg/kg Pb..... 145000 mg/kg Mg 2370 mg/kg Fe 6480 ± 484 mg/kg Hg..... 4.70 ± 0.179 mg/kg K 1010 ± 39.3 mg/kg Mn 174 ± 6.02 mg/kg Na..... 380 ± 27.2 mg/kg Ni 12.6 ± 0.893 mg/kg Zn 546 ± 16.8 mg/kg Sn 304 mg/kg Tl 0.6 mg/kg V 8.7 mg/kg	100 g
CRM022-20G	壤土 5 - 微量金属元素 / 氰化物 Trace Metals/Cyanide - Loam 5 Certified reference material, pkg of 20 g (Sigma-Aldrich) Lot D522 Certified values Al 10060 ± 334 mg/kg As 5.40 ± 0.308 mg/kg Ba..... 109 ± 1.51 mg/kg Be..... 0.500 ± 0.0140 mg/kg Ca 27242 ± 541 mg/kg Cd 3.10 ± 0.0560 mg/kg Co 5.70 ± 0.0980 mg/kg Cr (total) 18.8 ± 0.546 mg/kg Cu 12.4 ± 0.252 mg/kg Fe 13555 ± 362 mg/kg K 3170 ± 106 mg/kg Mg 9524 ± 176 mg/kg Mn 318 ± 7.31 mg/kg Na..... 268 ± 7.83 mg/kg Ni 15.8 ± 0.224 mg/kg Pb 415 ± 77.2 mg/kg V 23.2 ± 0.700 mg/kg Zn 45.7 ± 1.12 mg/kg Total cyanide..... 26.6 ± 0.630 mg/kg	20 g
CRM023-50G	壤砂土 7 - 微量金属元素 Trace Metals - Sandy Loam 7 Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot DG023 Certified values Al 8470 ± 917 mg/kg As 380 ± 6.70 mg/kg Ba 75.5 ± 4.06 mg/kg Be 0.430 ± 0.0406 mg/kg Ca 5420 ± 240 mg/kg Cd 0.920 ± 0.308 mg/kg Co 4.68 ± 0.206 mg/kg Cr (total) 31.0 ± 2.23 mg/kg Cu 8.90 ± 0.521 mg/kg Fe 10700 ± 592 mg/kg Hg 77.8 ± 5.18 mg/kg Informational values B 11.0 mg/kg K 2230 ± 262 mg/kg Mg 3060 ± 156 mg/kg Mn 206 ± 7.38 mg/kg Na 296 ± 25.0 mg/kg Ni 11.0 ± 0.565 mg/kg Pb 213 ± 6.97 mg/kg Se 105 ± 3.04 mg/kg Sr 32.6 ± 106 mg/kg Tl 111 ± 4.13 mg/kg V 21.7 ± 2.18 mg/kg Zn 93.8 ± 4.77 mg/kg Si 353 mg/kg	50 g
CRM024-50G	壤砂土 1 - 微量金属元素 Trace Metals - Loamy Sand 1 Lot II024 Certified values Ag 13.3 ± 0.718 mg/kg Al 8680 ± 981 mg/kg As 3.42 ± 0.353 mg/kg B 7.22 ± 0.783 mg/kg Ba 79.6 ± 2.80 mg/kg Be 0.430 ± 0.0495 mg/kg Ca 5530 ± 175 mg/kg Hg 0.710 ± 0.0341 mg/kg K 2102 ± 162 mg/kg Mg 2945 ± 128 mg/kg Mn 199 ± 5.45 mg/kg Mo 0.580 ± 0.0805 mg/kg Na 287 ± 17.4 mg/kg Ni 15.0 ± 1.65 mg/kg	50 g

订货号	产品信息	包装
	Cd 2.15 ± 0.167 mg/kg Cr (total) 25.4 ± 3.25 mg/kg Cu 8.70 ± 0.409 mg/kg Fe 10196 ± 624 mg/kg Informational values Sb 1.17 mg/kg Se 0.54 mg/kg Pb 15.7 ± 1.43 mg/kg Sr 35.4 ± 0.777 mg/kg V 20.8 ± 2.18 mg/kg Zn 37.3 ± 1.92 mg/kg Si 404 mg/kg Tl 13.6 units	
CRM025-50G	壤砂土 8 - 微量金属元素 Trace Metals - Sandy Loam 8 Certified reference material, pkg of 50 g (Sigma-Aldrich) Lot JG025 Certified values Ag 132 ± 28.0 mg/kg Al 7640 ± 541 mg/kg As 339 ± 17.3 mg/kg Ba 1840 ± 375 mg/kg Be 0.330 ± 0.00 mg/kg Ca 28300 ± 1536 mg/kg Cd 369 ± 15.7 mg/kg Cr (total) 441 ± 17.0 mg/kg Cu 7.76 ± 0.569 mg/kg Fe 9440 ± 416 mg/kg Informational values Sb <3.2 mg/kg B 17.2 mg/kg Mo <0.8 mg/kg Hg 99.8 ± 10.7 mg/kg K 1990 ± 150 mg/kg Mg 4380 ± 172 mg/kg Mn 173 ± 5.08 mg/kg Na 313 ± 16.9 mg/kg Ni 12.2 ± 1.20 mg/kg Pb 1450 ± 68.7 mg/kg Se 518 ± 25.0 mg/kg V 19.3 ± 1.52 mg/kg Zn 51.8 ± 2.81 mg/kg Sr 408 mg/kg Tl <4.8 mg/kg	50 g
CRM026-50G	壤砂土 9 - 微量金属元素 Trace Metals - Sandy Loam 9 This soil is from a slightly contaminated site located in the Western United States. The following certified values were determined by USEPA SW846 (3rd edition) Methods 3050 and 6010, except for arsenic (7060A), mercury (7471) and selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot LRAA1192 Ag 57.2 mg/kg Al 6680 mg/kg As 175 mg/kg Ba 421 mg/kg Be 83.1 mg/kg Ca 4630 mg/kg Cd 298 mg/kg Cr (total) 219 mg/kg Co 98.4 mg/kg Cu 204 mg/kg Fe 5190 mg/kg Hg 11.9 mg/kg K 5680 mg/kg Li 81.6 mg/kg Mg 6260 mg/kg Mn 173 mg/kg Mo 33.8 mg/kg Ni 70.6 mg/kg Pb 187 mg/kg S 322 mg/kg Sb 47.6 mg/kg Se 93.9 mg/kg Sn 95.9 mg/kg Sr 203 mg/kg Ti 41.3 mg/kg Tl 147 mg/kg V 146 mg/kg Zn 641 mg/kg pH 7.96 units	50 g
CRM027-50G	壤砂土 10 - 微量金属元素 Trace Metals - Sandy Loam 10 Certified reference material, pkg of 50 g (Sigma-Aldrich) This soil is from a moderately contaminated site located in the Western United States. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050B and 6010, except for mercury (Method 7471) and pH (method 9045).The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot HC027 Ag 5.98 mg/kg Al 8537 mg/kg As 12.4 mg/kg Ba 166 mg/kg Be 2.73 mg/kg Ca 5970 mg/kg Cd 12.0 mg/kg Cr 26.9 mg/kg Co 4.70 mg/kg Cu 9.87 mg/kg Fe 11173 mg/kg Hg 3.80 mg/kg K 2115 mg/kg Mg 2755 mg/kg Mn 259 mg/kg Na 241 mg/kg Ni 10.5 mg/kg Pb 51.9 mg/kg Sb 3.28 mg/kg Se 14.0 mg/kg Sr 43.0 mg/kg V 21.4 mg/kg Zn 51.3 mg/kg Indicative values for B, Mo, Si ,Tl	50 g

订货号	产品信息	包装																																																												
CRM028-50G	壤砂土 11 - 微量金属元素 Trace Metals - Sandy Loam 11 Certified reference material, pkg of 50 g (Sigma-Aldrich) This soil is from a moderately contaminated site location in the Western United States.The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050 and 6010, except for mercury (Method 7471) and pH (method 9045). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot IH028 <table><tr><td>Al</td><td>7562 mg/kg</td><td>Cr</td><td>19.0 mg/kg</td><td>Mn</td><td>209 mg/kg</td></tr><tr><td>As</td><td>3.83 mg/kg</td><td>Co</td><td>4.3 mg/kg</td><td>Na</td><td>231 mg/kg</td></tr><tr><td>Ba.....</td><td>73.2 mg/kg</td><td>Cu</td><td>8.51 mg/kg</td><td>Ni.....</td><td>11.0 mg/kg</td></tr><tr><td>Be.....</td><td>0.38 mg/kg</td><td>Fe</td><td>10000 mg/kg</td><td>Pb.....</td><td>10.4 mg/kg</td></tr><tr><td>Ca</td><td>5883 mg/kg</td><td>K</td><td>2045 mg/kg</td><td>V.....</td><td>19.2 mg/kg</td></tr><tr><td>Cd</td><td>0.50 mg/kg</td><td>Mg</td><td>2995 mg/kg</td><td>Zn</td><td>75.0 mg/kg</td></tr></table> Indicative values for B, Si, Sr	Al	7562 mg/kg	Cr	19.0 mg/kg	Mn	209 mg/kg	As	3.83 mg/kg	Co	4.3 mg/kg	Na	231 mg/kg	Ba.....	73.2 mg/kg	Cu	8.51 mg/kg	Ni.....	11.0 mg/kg	Be.....	0.38 mg/kg	Fe	10000 mg/kg	Pb.....	10.4 mg/kg	Ca	5883 mg/kg	K	2045 mg/kg	V.....	19.2 mg/kg	Cd	0.50 mg/kg	Mg	2995 mg/kg	Zn	75.0 mg/kg	50 g																								
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Ca	5883 mg/kg	K	2045 mg/kg	V.....	19.2 mg/kg																																																									
Cd	0.50 mg/kg	Mg	2995 mg/kg	Zn	75.0 mg/kg																																																									
CRM030-50G	壤砂土 2 - 微量金属元素 Trace Metals - Sandy Loam 2 Certified reference material, pkg of 50 g (Sigma-Aldrich) This soil is from a moderately contaminated site location in the Western United States. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for arsenic (7060A), mercury (7471A) and selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot JC030 <table><tr><td>Al</td><td>4810 mg/kg</td><td>Cu</td><td>5.68 mg/kg</td><td>Na</td><td>997 mg/kg</td></tr><tr><td>As</td><td>13.1 mg/kg</td><td>Fe</td><td>8320 mg/kg</td><td>Ni.....</td><td>6.63 mg/kg</td></tr><tr><td>Ba.....</td><td>56.1 mg/kg</td><td>Hg</td><td>6.13 mg/kg</td><td>Pb.....</td><td>7.13 mg/kg</td></tr><tr><td>Be.....</td><td>5.97 mg/kg</td><td>K</td><td>1480 mg/kg</td><td>Se.....</td><td>18.5 mg/kg</td></tr><tr><td>Ca</td><td>14200 mg/kg</td><td>Mg</td><td>2470 mg/kg</td><td>V.....</td><td>29.0 mg/kg</td></tr><tr><td>Cd</td><td>58.4 mg/kg</td><td>Mn</td><td>127 mg/kg</td><td>Zn</td><td>74.8 mg/kg</td></tr><tr><td>Cr (total)</td><td>43.8 mg/kg</td><td>Mo</td><td>8.78 mg/kg</td><td></td><td></td></tr></table> Informational values <table><tr><td>Ag.....</td><td>0.04 mg/kg</td><td>F</td><td>29.4 mg/kg</td><td>Sr</td><td>54.4 mg/kg</td></tr><tr><td>B.....</td><td>5.29 mg/kg</td><td>Sb</td><td>2.32 mg/kg</td><td>pH</td><td>6.54 units</td></tr><tr><td>Cyanide</td><td>10.4 mg/kg</td><td>Si</td><td>169 mg/kg</td><td></td><td></td></tr></table>	Al	4810 mg/kg	Cu	5.68 mg/kg	Na	997 mg/kg	As	13.1 mg/kg	Fe	8320 mg/kg	Ni.....	6.63 mg/kg	Ba.....	56.1 mg/kg	Hg	6.13 mg/kg	Pb.....	7.13 mg/kg	Be.....	5.97 mg/kg	K	1480 mg/kg	Se.....	18.5 mg/kg	Ca	14200 mg/kg	Mg	2470 mg/kg	V.....	29.0 mg/kg	Cd	58.4 mg/kg	Mn	127 mg/kg	Zn	74.8 mg/kg	Cr (total)	43.8 mg/kg	Mo	8.78 mg/kg			Ag.....	0.04 mg/kg	F	29.4 mg/kg	Sr	54.4 mg/kg	B.....	5.29 mg/kg	Sb	2.32 mg/kg	pH	6.54 units	Cyanide	10.4 mg/kg	Si	169 mg/kg			50 g
Al	4810 mg/kg	Cu	5.68 mg/kg	Na	997 mg/kg																																																									
As	13.1 mg/kg	Fe	8320 mg/kg	Ni.....	6.63 mg/kg																																																									
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Cyanide	10.4 mg/kg	Si	169 mg/kg																																																											
CRM033-50G	壤砂土 10 - 微量金属元素 Trace Metals - Loamy Sand 10 This soil is from a moderately contaminated site location in the Western United States. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for arsenic (7060A), mercury (7471A) and selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot 019390 <table><tr><td>Ag.....</td><td>73.5 mg/kg</td><td>Fe</td><td>5280 mg/kg</td><td>Pb.....</td><td>108 mg/kg</td></tr><tr><td>Al</td><td>8180 mg/kg</td><td>Hg</td><td>25.1 mg/kg</td><td>S.....</td><td>347 mg/kg</td></tr><tr><td>As</td><td>132 mg/kg</td><td>K</td><td>2660 mg/kg</td><td>Sb.....</td><td>49.3 mg/kg</td></tr><tr><td>B.....</td><td>120 mg/kg</td><td>Li</td><td>136 mg/kg</td><td>Se.....</td><td>80.5 mg/kg</td></tr><tr><td>Ba.....</td><td>132 mg/kg</td><td>Mg</td><td>2000 mg/kg</td><td>Si</td><td>860 mg/kg</td></tr><tr><td>Be.....</td><td>96.0 mg/kg</td><td>Mn</td><td>130 mg/kg</td><td>Sr</td><td>240 mg/kg</td></tr><tr><td>Ca</td><td>3210 mg/kg</td><td>Mo</td><td>46.1 mg/kg</td><td>V.....</td><td>148 mg/kg</td></tr><tr><td>Cd</td><td>122 mg/kg</td><td>Na</td><td>919 mg/kg</td><td>Zn</td><td>203 mg/kg</td></tr><tr><td>Cr (total)</td><td>63.2 mg/kg</td><td>Ni</td><td>284 mg/kg</td><td>pH</td><td>6.02 units</td></tr><tr><td>Cu</td><td>212 mg/kg</td><td>P</td><td>277 mg/kg</td><td></td><td></td></tr></table>	Ag.....	73.5 mg/kg	Fe	5280 mg/kg	Pb.....	108 mg/kg	Al	8180 mg/kg	Hg	25.1 mg/kg	S.....	347 mg/kg	As	132 mg/kg	K	2660 mg/kg	Sb.....	49.3 mg/kg	B.....	120 mg/kg	Li	136 mg/kg	Se.....	80.5 mg/kg	Ba.....	132 mg/kg	Mg	2000 mg/kg	Si	860 mg/kg	Be.....	96.0 mg/kg	Mn	130 mg/kg	Sr	240 mg/kg	Ca	3210 mg/kg	Mo	46.1 mg/kg	V.....	148 mg/kg	Cd	122 mg/kg	Na	919 mg/kg	Zn	203 mg/kg	Cr (total)	63.2 mg/kg	Ni	284 mg/kg	pH	6.02 units	Cu	212 mg/kg	P	277 mg/kg			50 g
Ag.....	73.5 mg/kg	Fe	5280 mg/kg	Pb.....	108 mg/kg																																																									
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Cr (total)	63.2 mg/kg	Ni	284 mg/kg	pH	6.02 units																																																									
Cu	212 mg/kg	P	277 mg/kg																																																											
CRM034-50G	壤砂土 3 - 微量金属元素 Trace Metals - Loamy Sand 3 The values were determined by USEPASW846 (3rd edition) Methods 3050/3051, 6010/6020 except for arsenic (7060A), mercury (7471A) and selenium (7740). The sample is suitable for these and other similar methods. Certified values Lot 010579 <table><tr><td>Ag</td><td>78.8 mg/kg</td><td>Cr</td><td>227 mg/kg</td><td>Ni</td><td>73.7 mg/kg</td></tr><tr><td>Al</td><td>13600 mg/kg</td><td>Cu</td><td>94.7 mg/kg</td><td>Pb</td><td>103 mg/kg</td></tr><tr><td>As</td><td>82.3 mg/kg</td><td>Fe</td><td>6160 mg/kg</td><td>Se</td><td>92.4 mg/kg</td></tr></table>	Ag	78.8 mg/kg	Cr	227 mg/kg	Ni	73.7 mg/kg	Al	13600 mg/kg	Cu	94.7 mg/kg	Pb	103 mg/kg	As	82.3 mg/kg	Fe	6160 mg/kg	Se	92.4 mg/kg	50 g																																										
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Al	13600 mg/kg	Cu	94.7 mg/kg	Pb	103 mg/kg																																																									
As	82.3 mg/kg	Fe	6160 mg/kg	Se	92.4 mg/kg																																																									

订货号	产品信息	包装
	B 87.7 mg/kg Ba 375 mg/kg Be 47.7 mg/kg Ca 5820 mg/kg Cd 142 mg/kg Co 37.7 mg/kg Hg 24.2 mg/kg K 3720 mg/kg Mg 4240 mg/kg Mn 269 mg/kg Mo 15.5 mg/kg Na 6330 mg/kg Sr 76.0 mg/kg Tl 74.4 mg/kg V 92.2 mg/kg Zn 334 mg/kg	
CRM036-50G	壤砂土 4 - 微量金属元素 Trace Metals - Loamy Sand 4 This soil is from a moderately contaminated site location in the Western United States. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for arsenic (7060A), mercury (7471A) and selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values LRAB3530 Ag..... 74.8 mg/kg Al 8100 mg/kg As 133 mg/kg B..... 119 mg/kg Ba..... 229 mg/kg Be..... 95.8mg/kg Ca 3,240 mg/kg Cd 123 mg/kg Cr (total) 63.2 mg/kg Cu 211 mg/kg Co 50.9 mg/kg Fe 5,230 mg/kg Hg 24.9 mg/kg K 2,640 mg/kg Li 136 mg/kg Mg 1,970 mg/kg Mn 133 mg/kg Mo 46.2 mg/kg Na 926 mg/kg Ni 285 mg/kg P 253 mg/kg Pb..... 108 mg/kg S..... 347 mg/kg Sb..... 49.7 mg/kg Se..... 81.4 mg/kg Si 871 mg/kg Sn..... 76.9 mg/kg Sr 241 mg/kg Ti..... 61.9 mg/kg Tl..... 50.1 mg/kg V..... 148 mg/kg Zn 203 mg/kg pH 6.13 units Silica as SiO ₂ 2,110 mg/kg	50 g
CRM041-30G	土壤 - 六价铬 Soil - Hexavalent Chromium VI Certified reference material (Sigma-Aldrich) Lot 015905 Certified value Chromium VI, Cr(VI) 91.4 ± 5.11 mg/kg	30 g
CRM042-50G	壤土 3 - 微量金属元素 Trace Metals - Loam 3 This soil is from a moderately contaminated site location in the Western United States. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for arsenic (7060A), mercury (7471A) and selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot 013023 Ag 21.5 mg/kg Al 7150 mg/kg As 129 mg/kg B 79.2 mg/kg Ba 129 mg/kg Be 40.1 mg/kg Ca 14200 mg/kg Cd 210 mg/kg Co 67.4 mg/kg Cr (total) 55.0 mg/kg Cu 79.1 mg/kg Fe 15200 mg/kg Hg 24.0 mg/kg K 3900 mg/kg Li..... 176 mg/kg Mg 2930 mg/kg Mn 175 mg/kg Mo 76.3 mg/kg Na 2030 mg/kg Ni 126 mg/kg P 214 mg/kg Pb 133 mg/kg Sb 43.9 mg/kg Se 38.8 mg/kg Si 975 mg/kg Sr 333 mg/kg Tl 42.4 mg/kg V 65.3 mg/kg Zn 717 mg/kg pH 6.07 units	50 g
CRM043-50G	壤砂土 6 - 微量金属元素 Trace Metals - Loamy Sand 6 The Metals in Soil Certified reference material (CRM) consists of a single polypropylene sample jar containing approximately 50 grams of metals contaminated soil from a site located in the Western United States. Being a natural matrix waste sample the analyst is challenged by the same preparation problems, analytical interferences, etc. as is typical for similar matrices received by the laboratory for analysis. Rigorous analyses identified, quantified, and certified the metals which are listed on the enclosed Certificate of Analysis. The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for Arsenic (7060A), Mercury (7471A), Selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. The sample has been analyzed by 58 independent laboratories in a round-robin to meet the requirements specified by the ISO Guides 34 and 35, and ISO 17025.	50 g

订货号	产品信息	包装																																				
	Certified values LRAB4035 <table> <tr> <td>Ag..... 47.3 mg/kg</td><td>Hg 22.9 mg/kg</td><td>Sb..... 53.8 mg/kg</td></tr> <tr> <td>Al 12100 mg/kg</td><td>K 2,420 mg/kg</td><td>Se..... 60.2 mg/kg</td></tr> <tr> <td>As 182 mg/kg</td><td>Li 106 mg/kg</td><td>Si 622 mg/kg</td></tr> <tr> <td>B..... 264 mg/kg</td><td>Mg 4,090 mg/kg</td><td>Sn..... 186 mg/kg</td></tr> <tr> <td>Ba..... 413 mg/kg</td><td>Mn 983 mg/kg</td><td>Sr 384 mg/kg</td></tr> <tr> <td>Be..... 96.8 mg/kg</td><td>Mo 109 mg/kg</td><td>Ti..... 122 mg/kg</td></tr> <tr> <td>Ca 2,800 mg/kg</td><td>Na 701 mg/kg</td><td>Tl..... 92.5 mg/kg</td></tr> <tr> <td>Cd 210 mg/kg</td><td>Ni 202 mg/kg</td><td>V..... 168 mg/kg</td></tr> <tr> <td>Cr (total) 128 mg/kg</td><td>P 421 mg/kg</td><td>Zn 158 mg/kg</td></tr> <tr> <td>Cu 277 mg/kg</td><td>Pb..... 85.8 mg/kg</td><td>pH 7.79 units</td></tr> <tr> <td>Co 67.6 mg/kg</td><td>S..... 321 mg/kg</td><td>Silica as SiO₂..... 1,680 mg/kg</td></tr> <tr> <td>Fe 4,870 mg/kg</td><td></td><td></td></tr> </table>	Ag..... 47.3 mg/kg	Hg 22.9 mg/kg	Sb..... 53.8 mg/kg	Al 12100 mg/kg	K 2,420 mg/kg	Se..... 60.2 mg/kg	As 182 mg/kg	Li 106 mg/kg	Si 622 mg/kg	B..... 264 mg/kg	Mg 4,090 mg/kg	Sn..... 186 mg/kg	Ba..... 413 mg/kg	Mn 983 mg/kg	Sr 384 mg/kg	Be..... 96.8 mg/kg	Mo 109 mg/kg	Ti..... 122 mg/kg	Ca 2,800 mg/kg	Na 701 mg/kg	Tl..... 92.5 mg/kg	Cd 210 mg/kg	Ni 202 mg/kg	V..... 168 mg/kg	Cr (total) 128 mg/kg	P 421 mg/kg	Zn 158 mg/kg	Cu 277 mg/kg	Pb..... 85.8 mg/kg	pH 7.79 units	Co 67.6 mg/kg	S..... 321 mg/kg	Silica as SiO ₂ 1,680 mg/kg	Fe 4,870 mg/kg			
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Fe 4,870 mg/kg																																						
CRM044-50G	粉砂壤土1 - 微量金属元素 Trace Metals - Silt Loam 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) The values were determined by using USEPA SW846 Method 7060A for arsenic, by using USEPA SW846 Method 7471B for mercury, and by using Aqua Regia Method for cadmium, chromium, copper, lead, nickel, and zinc. Certified values Lot CF044 <table> <tr> <td>Ag 114 mg/kg</td><td>Cu 64.0 mg/kg</td><td>Sb 106 mg/kg</td></tr> <tr> <td>Al 3540 mg/kg</td><td>Fe 3180 mg/kg</td><td>Se 81.1 mg/kg</td></tr> <tr> <td>As 52.3 mg/kg</td><td>Hg 9.70 mg/kg</td><td>Si 991 mg/kg</td></tr> <tr> <td>B 113 mg/kg</td><td>K 1480 mg/kg</td><td>Sn 93.5 mg/kg</td></tr> <tr> <td>Ba 145 mg/kg</td><td>Mg 8920 mg/kg</td><td>Sr 4520 mg/kg</td></tr> <tr> <td>Be 37.3 mg/kg</td><td>Mn 204 mg/kg</td><td>Ti 138 mg/kg</td></tr> <tr> <td>Ca 206000 mg/kg</td><td>Mo 14.5 mg/kg</td><td>Tl 65.3 mg/kg</td></tr> <tr> <td>Cd 71.6 mg/kg</td><td>Na 651 mg/kg</td><td>V 82.1 mg/kg</td></tr> <tr> <td>Co 50.6 mg/kg</td><td>Ni 87.1 mg/kg</td><td>Zn 136 mg/kg</td></tr> <tr> <td>Cr 88.5 mg/kg</td><td>Pb 77.8 mg/kg</td><td>pH 6.82</td></tr> </table>	Ag 114 mg/kg	Cu 64.0 mg/kg	Sb 106 mg/kg	Al 3540 mg/kg	Fe 3180 mg/kg	Se 81.1 mg/kg	As 52.3 mg/kg	Hg 9.70 mg/kg	Si 991 mg/kg	B 113 mg/kg	K 1480 mg/kg	Sn 93.5 mg/kg	Ba 145 mg/kg	Mg 8920 mg/kg	Sr 4520 mg/kg	Be 37.3 mg/kg	Mn 204 mg/kg	Ti 138 mg/kg	Ca 206000 mg/kg	Mo 14.5 mg/kg	Tl 65.3 mg/kg	Cd 71.6 mg/kg	Na 651 mg/kg	V 82.1 mg/kg	Co 50.6 mg/kg	Ni 87.1 mg/kg	Zn 136 mg/kg	Cr 88.5 mg/kg	Pb 77.8 mg/kg	pH 6.82	50 g						
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Cr 88.5 mg/kg	Pb 77.8 mg/kg	pH 6.82																																				
CRM045-50G	粉质黏土1 - 微量金属元素 Trace Metals - Silty Clay 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) The values were determined by using USEPA SW846 Method 7060A for arsenic, by using USEPA SW846 Method 7471B for Mercury, and by using Aqua Regia Method for cadmium, chromium, copper, lead, nickel, and zinc. Certified values Lot CF045 <table> <tr> <td>As 18.4 mg/kg</td><td>Cr 85.3 mg/kg</td><td>Pb 42.8 mg/kg</td></tr> <tr> <td>Cd 1.61 mg/kg</td><td>Hg 0.795 mg/kg</td><td>Zn 330 mg/kg</td></tr> <tr> <td>Co 13.5 mg/kg</td><td>Mn 292 mg/kg</td><td></td></tr> <tr> <td>Cu 122 mg/kg</td><td>Ni 199 mg/kg</td><td></td></tr> </table>	As 18.4 mg/kg	Cr 85.3 mg/kg	Pb 42.8 mg/kg	Cd 1.61 mg/kg	Hg 0.795 mg/kg	Zn 330 mg/kg	Co 13.5 mg/kg	Mn 292 mg/kg		Cu 122 mg/kg	Ni 199 mg/kg		50 g																								
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Cu 122 mg/kg	Ni 199 mg/kg																																					
CRM046-50G	粘土1 - 微量金属元素 Trace Metals - Clay 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) The values were determined by using USEPA SW846 Method 7060A for arsenic, by using USEPA SW846 Method 7471B for Mercury, and by using Aqua Regia Method for cadmium, chromium, copper, lead, nickel, and zinc. Certified values Lot CF046 <table> <tr> <td>As 7.47 mg/kg</td><td>Cu 62.2 mg/kg</td><td>Ni..... 37.5 mg/kg</td></tr> <tr> <td>Cd 7.01 mg/kg</td><td>Pb 45.3 mg/kg</td><td>Zn 114 mg/kg</td></tr> <tr> <td>Cr 45.7 mg/kg</td><td>Mn 118 mg/kg</td><td></td></tr> <tr> <td>Co 8.22 mg/kg</td><td>Hg 0.153 mg/kg</td><td></td></tr> </table>	As 7.47 mg/kg	Cu 62.2 mg/kg	Ni..... 37.5 mg/kg	Cd 7.01 mg/kg	Pb 45.3 mg/kg	Zn 114 mg/kg	Cr 45.7 mg/kg	Mn 118 mg/kg		Co 8.22 mg/kg	Hg 0.153 mg/kg		50 g																								
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CRM048-50G	砂1 - 微量金属元素 Trace Metals - Sand 1 Certified reference material, pkg of 50 g (Sigma-Aldrich) The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for Arsenic (7060A), Mercury (7471A), Selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Lot 017065 <table> <tr> <td>Ag..... 75.5 mg/kg</td><td>Cu 277 mg/kg</td><td>Sb..... 139 mg/kg</td></tr> </table>	Ag..... 75.5 mg/kg	Cu 277 mg/kg	Sb..... 139 mg/kg	50 g																																	
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订货号	产品信息	包装																																																																		
	<table><tr><td>Al</td><td>12900 mg/kg</td><td>Fe</td><td>12300 mg/kg</td><td>Se.....</td><td>177 mg/kg</td></tr><tr><td>As</td><td>123 mg/kg</td><td>Hg</td><td>28.0 mg/kg</td><td>Sn.....</td><td>93.5 mg/kg</td></tr><tr><td>B.....</td><td>135 mg/kg</td><td>K</td><td>11300 mg/kg</td><td>Sr</td><td>213 mg/kg</td></tr><tr><td>Ba.....</td><td>235 mg/kg</td><td>Mg</td><td>7050 mg/kg</td><td>Ti</td><td>178 mg/kg</td></tr><tr><td>Be.....</td><td>76.8 mg/kg</td><td>Mn</td><td>1160 mg/kg</td><td>Tl</td><td>60.5 mg/kg</td></tr><tr><td>Ca</td><td>6430 mg/kg</td><td>Mo</td><td>138 mg/kg</td><td>V.....</td><td>101 mg/kg</td></tr><tr><td>Cd</td><td>140 mg/kg</td><td>Na</td><td>8270 mg/kg</td><td>Zn</td><td>724 mg/kg</td></tr><tr><td>Co</td><td>177 mg/kg</td><td>Ni</td><td>100 mg/kg</td><td>Phosphorus, P</td><td>298 mg/kg</td></tr><tr><td>Cr</td><td>239 mg/kg</td><td>Pb</td><td>86.9 mg/kg</td><td>pH</td><td>6.82</td></tr></table>	Al	12900 mg/kg	Fe	12300 mg/kg	Se.....	177 mg/kg	As	123 mg/kg	Hg	28.0 mg/kg	Sn.....	93.5 mg/kg	B.....	135 mg/kg	K	11300 mg/kg	Sr	213 mg/kg	Ba.....	235 mg/kg	Mg	7050 mg/kg	Ti	178 mg/kg	Be.....	76.8 mg/kg	Mn	1160 mg/kg	Tl	60.5 mg/kg	Ca	6430 mg/kg	Mo	138 mg/kg	V.....	101 mg/kg	Cd	140 mg/kg	Na	8270 mg/kg	Zn	724 mg/kg	Co	177 mg/kg	Ni	100 mg/kg	Phosphorus, P	298 mg/kg	Cr	239 mg/kg	Pb	86.9 mg/kg	pH	6.82													
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B.....	135 mg/kg	K	11300 mg/kg	Sr	213 mg/kg																																																															
Ba.....	235 mg/kg	Mg	7050 mg/kg	Ti	178 mg/kg																																																															
Be.....	76.8 mg/kg	Mn	1160 mg/kg	Tl	60.5 mg/kg																																																															
Ca	6430 mg/kg	Mo	138 mg/kg	V.....	101 mg/kg																																																															
Cd	140 mg/kg	Na	8270 mg/kg	Zn	724 mg/kg																																																															
Co	177 mg/kg	Ni	100 mg/kg	Phosphorus, P	298 mg/kg																																																															
Cr	239 mg/kg	Pb	86.9 mg/kg	pH	6.82																																																															
CRM049-50G	砂质粘土 - 微量金属元素 Sandy clay - Trace Metals The Reference Values were determined by USEPA SW846 (3rd edition) Methods 3050/3051 and 6010/6020, except for Arsenic (7060A), Mercury (7471A), Selenium (7740). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Lot 019005 <table><tr><td>Ag.....</td><td>47.0 mg/kg</td><td>Fe</td><td>6,600 mg/kg</td><td>Se.....</td><td>203 mg/kg</td></tr><tr><td>Al</td><td>10,100 mg/kg</td><td>Hg</td><td>17.8 mg/kg</td><td>Sn.....</td><td>96.4 mg/kg</td></tr><tr><td>As</td><td>136 mg/kg</td><td>K</td><td>6,480 mg/kg</td><td>Sr</td><td>258 mg/kg</td></tr><tr><td>B.....</td><td>89.9 mg/kg</td><td>Mg</td><td>2,610 mg/kg</td><td>Ti</td><td>66.7 mg/kg</td></tr><tr><td>Ba.....</td><td>549 mg/kg</td><td>Mn</td><td>1,110 mg/kg</td><td>Tl</td><td>44.7 mg/kg</td></tr><tr><td>Be.....</td><td>251 mg/kg</td><td>Mo</td><td>51.5 mg/kg</td><td>V.....</td><td>148 mg/kg</td></tr><tr><td>Ca</td><td>4580 mg/kg</td><td>Na</td><td>1,500 mg/kg</td><td>Zn</td><td>433 mg/kg</td></tr><tr><td>Cd</td><td>87.9 mg/kg</td><td>Ni</td><td>288 mg/kg</td><td>Phosphorus, P</td><td>444 mg/kg</td></tr><tr><td>Co</td><td>218 mg/kg</td><td>Pb</td><td>340 mg/kg</td><td>Silica as SiO₂</td><td>1,580 mg/kg</td></tr><tr><td>Cr (total)</td><td>135 mg/kg</td><td>S</td><td>368 mg/kg</td><td>pH</td><td>5.27</td></tr><tr><td>Cu</td><td>134 mg/kg</td><td>Sb</td><td>51.4 mg/kg</td><td></td><td></td></tr></table>	Ag.....	47.0 mg/kg	Fe	6,600 mg/kg	Se.....	203 mg/kg	Al	10,100 mg/kg	Hg	17.8 mg/kg	Sn.....	96.4 mg/kg	As	136 mg/kg	K	6,480 mg/kg	Sr	258 mg/kg	B.....	89.9 mg/kg	Mg	2,610 mg/kg	Ti	66.7 mg/kg	Ba.....	549 mg/kg	Mn	1,110 mg/kg	Tl	44.7 mg/kg	Be.....	251 mg/kg	Mo	51.5 mg/kg	V.....	148 mg/kg	Ca	4580 mg/kg	Na	1,500 mg/kg	Zn	433 mg/kg	Cd	87.9 mg/kg	Ni	288 mg/kg	Phosphorus, P	444 mg/kg	Co	218 mg/kg	Pb	340 mg/kg	Silica as SiO ₂	1,580 mg/kg	Cr (total)	135 mg/kg	S	368 mg/kg	pH	5.27	Cu	134 mg/kg	Sb	51.4 mg/kg			50 g
Ag.....	47.0 mg/kg	Fe	6,600 mg/kg	Se.....	203 mg/kg																																																															
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Cu	134 mg/kg	Sb	51.4 mg/kg																																																																	
CRM051-50G	粘土 2 - 微量金属元素 Trace Metals - Clay 2 The values were determined by USEPA SW846 (3rd edition) Methods 3050B/3051, 6010B, 6020, and 7000 series. The sample is suitable for these and other similar methods. Certified values Lot 16485 <table><tr><td>Al</td><td>12600 mg/kg</td><td>Fe</td><td>6490 mg/kg</td><td>Si</td><td>453 mg/kg</td></tr><tr><td>Ag.....</td><td>29.1 mg/kg</td><td>Hg</td><td>4.08 mg/kg</td><td>Sn.....</td><td>218 mg/kg</td></tr><tr><td>As</td><td>79.4 mg/kg</td><td>K</td><td>7790 mg/kg</td><td>Sr</td><td>283 mg/kg</td></tr><tr><td>B.....</td><td>157 mg/kg</td><td>Mg</td><td>1440 mg/kg</td><td>Ti</td><td>177 mg/kg</td></tr><tr><td>Ba.....</td><td>391 mg/kg</td><td>Mn</td><td>408 mg/kg</td><td>Tl</td><td>192 mg/kg</td></tr><tr><td>Be.....</td><td>304 mg/kg</td><td>Mo</td><td>156 mg/kg</td><td>V.....</td><td>213 mg/kg</td></tr><tr><td>Ca</td><td>8320 mg/kg</td><td>Na</td><td>857 mg/kg</td><td>Zn</td><td>256 mg/kg</td></tr><tr><td>Cd</td><td>48.3 mg/kg</td><td>Ni</td><td>76 mg/kg</td><td>pH</td><td>4.34</td></tr><tr><td>Co</td><td>59.2 mg/kg</td><td>Pb</td><td>181 mg/kg</td><td>Phosphorus, P</td><td>414 mg/kg</td></tr><tr><td>Cr</td><td>171 mg/kg</td><td>Sb</td><td>105 mg/kg</td><td>Sulfur, S</td><td>471 mg/kg</td></tr><tr><td>Cu</td><td>327 mg/kg</td><td>Se</td><td>76.9 mg/kg</td><td></td><td></td></tr></table>	Al	12600 mg/kg	Fe	6490 mg/kg	Si	453 mg/kg	Ag.....	29.1 mg/kg	Hg	4.08 mg/kg	Sn.....	218 mg/kg	As	79.4 mg/kg	K	7790 mg/kg	Sr	283 mg/kg	B.....	157 mg/kg	Mg	1440 mg/kg	Ti	177 mg/kg	Ba.....	391 mg/kg	Mn	408 mg/kg	Tl	192 mg/kg	Be.....	304 mg/kg	Mo	156 mg/kg	V.....	213 mg/kg	Ca	8320 mg/kg	Na	857 mg/kg	Zn	256 mg/kg	Cd	48.3 mg/kg	Ni	76 mg/kg	pH	4.34	Co	59.2 mg/kg	Pb	181 mg/kg	Phosphorus, P	414 mg/kg	Cr	171 mg/kg	Sb	105 mg/kg	Sulfur, S	471 mg/kg	Cu	327 mg/kg	Se	76.9 mg/kg			50 g
Al	12600 mg/kg	Fe	6490 mg/kg	Si	453 mg/kg																																																															
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Cu	327 mg/kg	Se	76.9 mg/kg																																																																	
CRM052-50G	壤质粘土 1 - 微量金属元素 Trace Metals - Loamy Clay 1 The values were determined by Dutch standard methods (NEN 56.; 57.; 64.; and 66.; series) after total digestion using predominantly nitric/hydrochloric acid mixture (Aqua Regia) in pressurised microwave digester units. The sample is suitable for use by these, or other similar digestion and analytical procedures. Certified values Lot 015055 <table><tr><td>Ag</td><td>23.0 mg/kg</td><td>Mn</td><td>217 mg/kg</td></tr><tr><td>Al</td><td>9660 mg/kg</td><td>Mo</td><td>34.3 mg/kg</td></tr><tr><td>As</td><td>33.4 mg/kg</td><td>Ni</td><td>50.8 mg/kg</td></tr><tr><td>Ba</td><td>239 mg/kg</td><td>Pb</td><td>82.9 mg/kg</td></tr><tr><td>Be</td><td>46.0 mg/kg</td><td>Sb</td><td>37.9 mg/kg</td></tr><tr><td>B</td><td>90.5 mg/kg</td><td>Se</td><td>25.3 mg/kg</td></tr><tr><td>Cd</td><td>43.0 mg/kg</td><td>Si</td><td>667 mg/kg</td></tr><tr><td>Ca</td><td>2860 mg/kg</td><td>Na</td><td>319 mg/kg</td></tr><tr><td>Co</td><td>44.1 mg/kg</td><td>Sr</td><td>148 mg/kg</td></tr><tr><td>Cr</td><td>57.8 mg/kg</td><td>Sn</td><td>77.5 mg/kg</td></tr><tr><td>Cu</td><td>56.5 mg/kg</td><td>Tl</td><td>113 mg/kg</td></tr><tr><td>Fe</td><td>14700 mg/kg</td><td>Ti</td><td>43.2 mg/kg</td></tr><tr><td>Hg</td><td>2.40 mg/kg</td><td>V</td><td>107 mg/kg</td></tr><tr><td>K</td><td>2390 mg/kg</td><td>Zn</td><td>94.3 mg/kg</td></tr><tr><td>Li</td><td>101 mg/kg</td><td>pH</td><td>7.02</td></tr><tr><td>Mg</td><td>1690 mg/kg</td><td></td><td></td></tr></table>	Ag	23.0 mg/kg	Mn	217 mg/kg	Al	9660 mg/kg	Mo	34.3 mg/kg	As	33.4 mg/kg	Ni	50.8 mg/kg	Ba	239 mg/kg	Pb	82.9 mg/kg	Be	46.0 mg/kg	Sb	37.9 mg/kg	B	90.5 mg/kg	Se	25.3 mg/kg	Cd	43.0 mg/kg	Si	667 mg/kg	Ca	2860 mg/kg	Na	319 mg/kg	Co	44.1 mg/kg	Sr	148 mg/kg	Cr	57.8 mg/kg	Sn	77.5 mg/kg	Cu	56.5 mg/kg	Tl	113 mg/kg	Fe	14700 mg/kg	Ti	43.2 mg/kg	Hg	2.40 mg/kg	V	107 mg/kg	K	2390 mg/kg	Zn	94.3 mg/kg	Li	101 mg/kg	pH	7.02	Mg	1690 mg/kg			50 g		
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订货号	产品信息	包装
CRM059-50G	壤质粘土 2 - 微量金属元素 Trace Metals - Loamy Clay 2 Certified reference material, pkg of 50 g (Sigma-Aldrich) Certified values Lot 010755 Antimony, Sb 86.0 mg/kg Arsenic, As153 mg/kg Barium, Ba138 mg/kg Beryllium, Be 39.1 mg/kg Boron, B155 mg/kg Cadmium, Cd..... 65.0 mg/kg Calcium, Ca 11700 mg/kg Chromium, Cr (total)136 mg/kg Cobalt, Co 44.3 mg/kg Copper, Cu 99.4 mg/kg Iron, Fe 21100 mg/kg Lead, Pb107 mg/kg Magnesium, Mg 1580 mg/kg Manganese, Mn220 mg/kg Mercury, Hg 9.72 mg/kg Molybdenum, Mo 9.30 mg/kg Nickel, Ni 75.5 mg/kg Potassium, K 3720 mg/kg Selenium, Se 106 mg/kg Silver, Ag 98.5 mg/kg Sodium, Na 5710 mg/kg Strontium, Sr 43.8 mg/kg Thallium, Tl 81.1 mg/kg Tin, Sn..... 81.9 mg/kg Titanium, Ti14.3 mg/kg Vanadium, V 95.1 mg/kg Zinc, Zn428 mg/kg pH6.83 Aluminum, Al7790 mg/kg Silicon, Si508 mg/kg	50 g
CRM060-30G	粘土 - 六价铬 Chromium VI - Clay Certified reference material, pkg of 30 g (Sigma-Aldrich) Chromium VI, Cr(VI) 176 ± 12.9 mg/kg	30 g
CRM061-30G	沙质土壤 - 六价铬 Chromium VI - Sandy Loam Chromium VI, Cr(VI) 241 ± 9.00 mg/kg	30 g
CRM090-100G	黏土 - 养分 Nutrients - Clay Soil Lot 014687 Certified values Ammonia as N 743 ± 35.2 mg/kg Kjeldahl nitrogen, total (TKN) 2530 ± 104 mg/kg Phosphorus, total809 ± 79.5 mg/kg Total organic carbon (TOC)5280 ± 592 mg/kg	100 g
CRM091-100G	砂质壤土 - 养分 Nutrients - Sandy Loam Lot 014104 Certified values Ammonia as N 250 ± 21.6 mg/kg Chemical oxygen demand (COD) 9160 ± 5420 mg/kg Kjeldahl nitrogen, total (TKN) 1540 ± 119 mg/kg Phosphorus, total356 ± 49.5 mg/kg Total organic carbon (TOC)4130 ± 546 mg/kg	100 g
CRM092-100G	沙 - 养分 Nutrients - Sand Lot 015409 Certified values Ammonia as N 850 ± 44.2 mg/kg Chemical oxygen demand (COD) 11800 ± 2820 mg/kg Kjeldahl nitrogen, total (TKN)2610 ± 121 mg/kg Phosphorus, total1030 ± 187 mg/kg Loss on Ignition (550°C)6.51 ± 0.189 wt% Total organic carbon (TOC) 5720 ± 651 mg/kg	100 g
CRM107-100G	壤砂土 9 - BNAs / Pesticides / Exp BNAs/Pesticides/Expl - Sandy Loam 9 PAH contaminated soil from a superfund site in the Western United States. The BNA values in the sample were certified by USEPA SW846, 3rd edition Extraction Methods 3540A/3541 (Soxhlet), 3550 (sonication), and analysis	100 g

订货号	产品信息	包装																																																				
	method 8270A (Semivolatile organics by GC/MS). The Organochlorine Pesticides and PCB values were certified using the same extraction methods and analysis method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified values Lot KG107 <table><tr><td>Acenaphthene</td><td>61.9 mg/kg</td><td>2,4-Dinitrotoluene</td><td>43.1 mg/kg</td></tr><tr><td>Bis(2-ethylhexyl)phthalate</td><td>38.5 mg/kg</td><td>Fluoranthene</td><td>19.2 mg/kg</td></tr><tr><td>2-Chlorophenol</td><td>37.5 mg/kg</td><td>Fluorene</td><td>30.8 mg/kg</td></tr><tr><td>2,4-D Acid</td><td>22.9 mg/kg</td><td>Hexachlorobenzene</td><td>42.9 mg/kg</td></tr><tr><td>4,4-DDD</td><td>11.1 mg/kg</td><td>Hexachloroethane</td><td>2.31 mg/kg</td></tr><tr><td>4,4-DDT</td><td>38.5 mg/kg</td><td>Lindane</td><td>34.3 mg/kg</td></tr><tr><td>2,4-DP</td><td>15.4 mg/kg</td><td>Naphthalene.....</td><td>36.8 mg/kg</td></tr><tr><td>Dalapon</td><td>8.09 mg/kg</td><td>2-Nitroaniline</td><td>15.1 mg/kg</td></tr><tr><td>Dibenzofuran</td><td>40.1 mg/kg</td><td>3-Nitroaniline</td><td>4.27 mg/kg</td></tr><tr><td>Dicamba</td><td>28.4 mg/kg</td><td>Nitrobenzene.....</td><td>35.0 mg/kg</td></tr><tr><td>2,4-Dichlorophenol</td><td>0.23 mg/kg</td><td>4-Nitrophenol</td><td>70.8 mg/kg</td></tr><tr><td>Dieldrin</td><td>10.8 mg/kg</td><td>2,4,5-T-Acid</td><td>15.0 mg/kg</td></tr><tr><td>2,4-Dinitrophenol</td><td>9.03 mg/kg</td><td>Pentachlorophenol</td><td>25.0 mg/kg</td></tr></table> Indicative value for Aroclor 1248	Acenaphthene	61.9 mg/kg	2,4-Dinitrotoluene	43.1 mg/kg	Bis(2-ethylhexyl)phthalate	38.5 mg/kg	Fluoranthene	19.2 mg/kg	2-Chlorophenol	37.5 mg/kg	Fluorene	30.8 mg/kg	2,4-D Acid	22.9 mg/kg	Hexachlorobenzene	42.9 mg/kg	4,4-DDD	11.1 mg/kg	Hexachloroethane	2.31 mg/kg	4,4-DDT	38.5 mg/kg	Lindane	34.3 mg/kg	2,4-DP	15.4 mg/kg	Naphthalene.....	36.8 mg/kg	Dalapon	8.09 mg/kg	2-Nitroaniline	15.1 mg/kg	Dibenzofuran	40.1 mg/kg	3-Nitroaniline	4.27 mg/kg	Dicamba	28.4 mg/kg	Nitrobenzene.....	35.0 mg/kg	2,4-Dichlorophenol	0.23 mg/kg	4-Nitrophenol	70.8 mg/kg	Dieldrin	10.8 mg/kg	2,4,5-T-Acid	15.0 mg/kg	2,4-Dinitrophenol	9.03 mg/kg	Pentachlorophenol	25.0 mg/kg	
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2,4-Dinitrophenol	9.03 mg/kg	Pentachlorophenol	25.0 mg/kg																																																			
CRM110-100G	砂质壤土 2 - BNAs BNAs - Sandy Loam 2 Certified reference material, pkg of 100 g (Sigma-Aldrich) BNA contaminated soil from a site in the Western United States. The BNA values in the sample were certified by USEPA SW846, 3rd edition Extraction Methods 3540A/3541 (Soxhlet), 3550 (sonication), and analysis method 8270B (Semivolatile organics by GC/MS). The sample is suitable for use by these and other similar methods. Certified values Lot LG110 <table><tr><td>Acenaphthene</td><td>55.6 mg/kg</td><td>Hexachlorobenzene</td><td>71.3 mg/kg</td></tr><tr><td>Bis(2-ethylhexyl)phthalate</td><td>13.1 mg/kg</td><td>Hexachloroethane</td><td>8.79 mg/kg</td></tr><tr><td>2-Chlorophenol</td><td>21.4 mg/kg</td><td>Naphthalene.....</td><td>30.3 mg/kg</td></tr><tr><td>Dibenzofuran</td><td>47.8 mg/kg</td><td>2-Nitroaniline</td><td>46.3 mg/kg</td></tr><tr><td>2,4-Dinitrophenol</td><td>9.98 mg/kg</td><td>4-Nitrophenol</td><td>26.2 mg/kg</td></tr><tr><td>2,4-Dinitrotoluene</td><td>44.6 mg/kg</td><td>Nitrobenzene.....</td><td>15.1 mg/kg</td></tr><tr><td>2,6-Dinitrotoluene</td><td>19.4 mg/kg</td><td>Pentachlorophenol</td><td>27.1 mg/kg</td></tr><tr><td>Fluoranthene</td><td>11.8 mg/kg</td><td>Phenol</td><td>13.9 mg/kg</td></tr><tr><td>Fluorene</td><td>14.2 mg/kg</td><td></td><td></td></tr></table> Indicative value for 3-Nitroaniline	Acenaphthene	55.6 mg/kg	Hexachlorobenzene	71.3 mg/kg	Bis(2-ethylhexyl)phthalate	13.1 mg/kg	Hexachloroethane	8.79 mg/kg	2-Chlorophenol	21.4 mg/kg	Naphthalene.....	30.3 mg/kg	Dibenzofuran	47.8 mg/kg	2-Nitroaniline	46.3 mg/kg	2,4-Dinitrophenol	9.98 mg/kg	4-Nitrophenol	26.2 mg/kg	2,4-Dinitrotoluene	44.6 mg/kg	Nitrobenzene.....	15.1 mg/kg	2,6-Dinitrotoluene	19.4 mg/kg	Pentachlorophenol	27.1 mg/kg	Fluoranthene	11.8 mg/kg	Phenol	13.9 mg/kg	Fluorene	14.2 mg/kg			100 g																
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2,4-Dinitrophenol	9.98 mg/kg	4-Nitrophenol	26.2 mg/kg																																																			
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Fluoranthene	11.8 mg/kg	Phenol	13.9 mg/kg																																																			
Fluorene	14.2 mg/kg																																																					
CRM113-100G	砂质壤土1 - BNAs BNAs - Loamy Sand 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) BNA contaminated soil from a site in the Western region of the United States. The BNA values in the sample were certified by USEPA SW846, 3rd edition Extraction Methods 3540A/3541 (Soxhlet), 3550 (Sonication), and analysis method 8270C (Semivolatile Organics by GC/MS). The sample is suitable for use by these and other similar methods. Certified values Lot FI113 <table><tr><td>Bis(2-ethylhexyl)phthalate</td><td>0.97 mg/kg</td><td>Hexachlorobenzene</td><td>14.3 mg/kg</td></tr><tr><td>Benzo(b)fluoranthene</td><td>3.53 mg/kg</td><td>Hexachloroethane</td><td>1.65 mg/kg</td></tr><tr><td>Benzo(a)pyrene</td><td>3.17 mg/kg</td><td>4-Methylphenol</td><td>7.55 mg/kg</td></tr><tr><td>Chrysene</td><td>7.21 mg/kg</td><td>2-Nitroaniline</td><td>14.5 mg/kg</td></tr><tr><td>2,4-Dinitrophenol</td><td>1.64 mg/kg</td><td>3-Nitroaniline</td><td>0.98 mg/kg</td></tr><tr><td>2,4-Dinitrotoluene</td><td>16.0 mg/kg</td><td>Nitrobenzene.....</td><td>5.88 mg/kg</td></tr><tr><td>Fluoranthene</td><td>6.51 mg/kg</td><td>4-Nitrophenol</td><td>4.56 mg/kg</td></tr><tr><td>Fluorene</td><td>8.41 mg/kg</td><td>Pyrene</td><td>37.0 mg/kg</td></tr></table>	Bis(2-ethylhexyl)phthalate	0.97 mg/kg	Hexachlorobenzene	14.3 mg/kg	Benzo(b)fluoranthene	3.53 mg/kg	Hexachloroethane	1.65 mg/kg	Benzo(a)pyrene	3.17 mg/kg	4-Methylphenol	7.55 mg/kg	Chrysene	7.21 mg/kg	2-Nitroaniline	14.5 mg/kg	2,4-Dinitrophenol	1.64 mg/kg	3-Nitroaniline	0.98 mg/kg	2,4-Dinitrotoluene	16.0 mg/kg	Nitrobenzene.....	5.88 mg/kg	Fluoranthene	6.51 mg/kg	4-Nitrophenol	4.56 mg/kg	Fluorene	8.41 mg/kg	Pyrene	37.0 mg/kg	100 g																				
Bis(2-ethylhexyl)phthalate	0.97 mg/kg	Hexachlorobenzene	14.3 mg/kg																																																			
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2,4-Dinitrotoluene	16.0 mg/kg	Nitrobenzene.....	5.88 mg/kg																																																			
Fluoranthene	6.51 mg/kg	4-Nitrophenol	4.56 mg/kg																																																			
Fluorene	8.41 mg/kg	Pyrene	37.0 mg/kg																																																			
CRM114-100G	土壤 1 - BNAs BNAs - Loam 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) Soil contaminated with Semi-Volatile Organic compounds, from a site in the Western region of the United States. The Semi-VOA values in the sample were certified by USEPA SW846, 3rd edition Extraction Methods 3540C (Soxhlet extraction), 3550 (Sonication) and analysis method 8270C (Semivolatile organics by GC/MS). The sample is suitable for use by these and other similar methods. Certified values	100 g																																																				

订货号	产品信息	包装
	Lot II114 Benzo(a)anthracene 11.5 mg/kg Benzo(a)pyrene 33.8 mg/kg Benzo(ghi)perylene 6.68 mg/kg 2-Chlorophenol 30.7 mg/kg 2,4-Dichlorophenol 24.6 mg/kg 2,4-Dinitrotoluene 30.2 mg/kg Fluoranthene 54.4 mg/kg Fluorene 25.4 mg/kg Hexachlorobenzene 77.1 mg/kg Hexachloroethane 11.0 mg/kg 1- and 2-Methylnaphthalene 61.3 mg/kg 3-Nitroaniline 29.2 mg/kg Nitrobenzene..... 29.9 mg/kg 4-Nitrophenol 45.4 mg/kg Pentachlorophenol 30.9 mg/kg Pyrene 9.2 mg/kg	
CRM115-100G	砂质壤土 1 - PAH 多环芳烃 PAH - Loamy Sand 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) PAH contaminated soil from a site in the Western Region of the United States. Certified values Lot JC115 Acenaphthene 4.60 mg/kg Benzo(a)anthracene 12.1 mg/kg Benzo(b)Fluoranthene..... 0.930 mg/kg Chrysene 16.8 mg/kg Dibenzofuran 10.6 mg/kg Indicative values for Anthracene and Bis(2-ethylhexyl)phthalate Fluoranthene 22.1 mg/kg Fluorene 13.0 mg/kg Naphthalene 1.34 mg/kg Phenanthrene 0.080 mg/kg Pyrene..... 7.66 mg/kg 100 g	
CRM122-100G	土壤 1 - BNAs BNAs - Soil 1 Lot 013063 1,4-Dichlorobenzene 1,040 ± 127 µg/kg Hexachlorobutadiene 3,290 ± 437 µg/kg Naphthalene 4,780 ± 475 µg/kg Nitrobenzene 2,660 ± 321 µg/kg 1,2,4-Trichlorobenzene 2,780 ± 358 µg/kg Acenaphthene 425 ± 67.1 µg/kg Acenaphthylene 329 ± 32.2 µg/kg Anthracene 759 ± 120 µg/kg Benzo(a)anthracene 6,180 ± 500 µg/kg Benzo(a)pyrene 1,890 ± 284 µg/kg Benzo(b)fluoranthene 4,160 ± 262 µg/kg Benzo(g,h,i)perylene 7,270 ± 682 µg/kg Benzo(k)fluoranthene 6,240 ± 398 µg/kg Butyl benzyl phthalate 3,070 ± 363 µg/kg 4-Chloro-3-methylphenol 3,660 ± 336 µg/kg bis(2-Chloroethoxy)methane 1,240 ± 170 µg/kg bis(2-Chloroisopropyl) ether 1,140 ± 115 µg/kg 2-Chloronaphthalene 3,290 ± 316 µg/kg 4-Chlorophenyl phenylether 1,380 ± 127 µg/kg Chrysene 7,570 ± 500 µg/kg Dibenzo(a,h)anthracene 6,610 ± 610 µg/kg Dibenzofuran 3,900 ± 258 µg/kg Di-n-butyl phthalate 7,890 ± 1240 µg/kg 2,4-Dichlorophenol 2,560 ± 250 µg/kg bis(2-Ethylhexyl) phthalate 1,590 ± 218 µg/kg Diethyl phthalate 6,090 ± 914 µg/kg Dimethyl phthalate 5,170 ± 674 µg/kg Fluoranthene 6,200 ± 475 µg/kg Fluorene 5,670 ± 498 µg/kg Indeno(1,2,3-cd) pyrene 6,340 ± 611 µg/kg 2-Nitrophenol 3,570 ± 613 µg/kg n-Nitroso-di-n-propylamine 3,880 ± 682 µg/kg Phenanthrene 6,720 ± 567 µg/kg Pyrene..... 1,550 ± 159 µg/kg 2,4,5-Trichlorophenol 1,080 ± 131 µg/kg 100 g	
CRM123-100G	粉砂壤土 1 - BNAs BNAs - Silt Loam 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) BNA contaminated soil from a site in the Western United States. The certified values were determined by USEPA SW846 (3rd edition) Extraction Method 3540C (soxhlet) and 3550 (sonication), and Analysis Method 8270C (semivolatile organics by GC/MS).The sample is suitable for these and other similar methods. Certified values Lot CD123 Acenaphthene 7.52 mg/kg Acenaphthylene 7.24 mg/kg Anthracene 6.94 mg/kg Benzo(a)anthracene 8.38 mg/kg Benzo(a)pyrene 7.77 mg/kg Bis(2-ethylhexyl)phthalate 8.90 mg/kg 4-Bromophenyl-phenylether 13.0 mg/kg 4-Chloro-3-methylphenol 7.60 mg/kg 2-Chloronaphthalene 7.42 mg/kg 2-Chlorophenol 8.45 mg/kg 4-Chlorophenyl-phenylether 9.39 mg/kg Chrysene 11.3 ma/ka Dimethylphthalate 9.56 mg/kg 2,4-Dinitrotoluene 17.5 mg/kg Di-n-oxtylphthalate 11.4 mg/kg Fluoranthene 9.31 mg/kg Fluorene 6.88 mg/kg Hexachlorobenzene 6.81 mg/kg Hexachlorobutadiene 5.46 mg/kg Hexachloroethane 10.6 mg/kg Isophorone 8.07 mg/kg 2-Methylphenol (o-Cresol) 7.70 mg/kg 3-Methylphenol (m-Cresol) 9.80 mg/kg 4-Methylphenol (p-Cresol) 7.04 ma/ka 100 g	

订货号	产品信息	包装
	Dibenzofuran 8.19 mg/kg Di-n-butylphthalate 16.8 mg/kg 1,2-Dichlorobenzene 5.15 mg/kg 1,3-Dichlorobenzene 4.25 mg/kg 1,4-Dichlorobenzene 3.98 mg/kg 2,4-Dichlorophenol 10.6 mg/kg 2,4-Dimethylphenol 9.25 mg/kg Naphthalene 9.73 mg/kg Nitrobenzene 10.6 mg/kg 2-Nitrophenol 6.30 mg/kg Phenanthrene 7.94 mg/kg Pyrene..... 6.75 mg/kg 2,4,5-Trichlorophenol 5.29 mg/kg	
CRM126-100G	粘土壤土 1 - BNAs BNAs - Clay Loam 1 Certified values Lot 010572 1,2-Dichlorobenzene 2.86 mg/kg 1,3-Dichlorobenzene 2.57 mg/kg Hexachlorobutadiene..... 1.66 mg/kg Hexachloroethane 0.450 mg/kg Naphthalene 0.610 mg/kg Nitrobenzene 6.03 mg/kg 1,2,4-Trichlorobenzene 1.57 mg/kg Acenaphthene 4.25 mg/kg Anthracene 0.280 mg/kg Benzo(a)pyrene 0.630 mg/kg Benzo(b)fluoranthene 0.610 mg/kg Benzo(g,h,i)perylene 0.570 mg/kg Benzo(k)fluoranthene 0.720 mg/kg Benzo(b+k)fluoranthene 1.29 mg/kg Benzyl alcohol 7.10 mg/kg 4-Bromophenyl phenyl ether 10.6 mg/kg 4-Chloro-3-methylphenol 0.650 mg/kg 4-Chloroaniline 0.580 mg/kg 2-Chloronaphthalene 3.89 mg/kg 2-Chlorophenol 1.99 mg/kg 4-Chlorophenyl phenylether 8.33 mg/kg Chrysene 2.37 mg/kg Dibenzofuran..... 1.91 mg/kg Di-n-butyl phthalate 1.34 mg/kg 2,4-Dichlorophenol 0.500 mg/kg Dimethyl phthalate 4.08 mg/kg 2,4-Dinitrotoluene (2,4-DNT) 0.880 mg/kg Di-n-octyl phthalate 1.34 mg/kg bis(2-Ethylhexyl) phthalate (DEHP) 4.88 mg/kg Fluoranthene 0.120 mg/kg Fluorene 1.45 mg/kg Hexachlorobenzene 0.620 mg/kg Isophorone 6.12 mg/kg 2-Methyl-4,6-dinitrophenol 3.93 mg/kg 2-Methylphenol (o-Cresol) 2.57 mg/kg 3+4-Methylphenol (m+p-Cresol) 3.58 mg/kg 4-Nitrophenol 5.83 mg/kg Pentachlorophenol 0.380 mg/kg Phenol 0.740 mg/kg 2,4,5-Trichlorophenol 2.26 mg/kg	100 g
CRM128-10G	砂质壤土 1 - 硝基芳烃 / 亚硝胺 Nitroaromatics/Nitrosamin - Sandy Loam 1 Certified reference material, pkg of 10 g (Sigma-Aldrich) Lot O34 Nitrobenzene 10.4 ± 0.0592 mg/kg 1,3-Dinitrobenzene (1,3-DNB) 12.4 ± 0.204 mg/kg 2,6-Dinitrotoluene (2,6-DNT) 8.82 ± 0.210 mg/kg 2-Nitrotoluene 16.1 ± 0.376 mg/kg 3-Nitrotoluene 18.4 ± 0.331 mg/kg	10 g
CRM130-10G	粘土壤土 1 - 硝基芳烃 / 亚硝胺 Nitroaromatics/Nitrosamine - Clay Loam 1 Certified reference material, pkg of 10 g (Sigma-Aldrich) Lot 001963 Nitrobenzene 36.1 ± 2.97 mg/kg 2,4-Dinitrotoluene (2,4-DNT) 33.9 ± 0.741 mg/kg 2,6-Dinitrotoluene (2,6-DNT) 8.10 ± 0.173 mg/kg 2-Nitrotoluene 82.9 ± 2.13 mg/kg 3-Nitrotoluene 39.3 ± 1.04 mg/kg 4-Nitrotoluene 32.1 ± 0.876 mg/kg	10 g
CRM131-100G	粘土壤土 2 - BNAs BNAs - Clay Loam 2 The values were determined by USEPA SW846 (3rd edition) Extraction Method 3540C (soxhlet) and 3550 (sonication), and Analysis Method 8270C (semivolatile organics by GC/MS). The sample is suitable for these and other similar methods. Certified values Lot 013243 1,2-Dichlorobenzene 1580 µg/kg 1,3-Dichlorobenzene 1400 µg/kg 1,4-Dichlorobenzene 502 µg/kg Hexachloroethane 1180 µg/kg Naphthalene 1200 µg/kg Nitrobenzene 1810 µg/kg Acenaphthene 260 µg/kg Anthracene 389 µg/kg Benzo(a)anthracene 4060 µg/kg 2,6-Dichlorophenol 959 µg/kg Diethyl phthalate 3950 µg/kg Dimethyl phthalate 2970 µg/kg 2,4-Dichlorophenol 1550 µg/kg 2,4-Dinitrotoluene 1530 µg/kg 2,6-Dinitrotoluene 2340 µg/kg Di-n-octyl phthalate 1990 µg/kg Fluoranthene 3870 µg/kg Fluorene 5670 µg/kg	100 g

订货号	产品信息	包装
	Benzo(a)pyrene 406 µg/kg Benzo(b)fluoranthene 1560 µg/kg Benzo(g,h,i)perylene 4720 µg/kg Benzo(k)fluoranthene 3820 µg/kg 4-Bromophenyl phenyl ether 8732 µg/kg Butyl benzyl phthalate 2780 µg/kg bis(2-Chloroethoxy)methane 878 µg/kg bis(2-Chlorophenyl)ether 1230 µg/kg 2-Chlorophenol 3525 µg/kg 4-Chlorophenyl phenylether 1180 µg/kg Chrysene 6790 µg/kg Dibenzo(a,h) anthracene 4800 µg/kg Dibenzofuran 4400 µg/kg Hexachlorobenzene 1240 µg/kg Indeno(1,2,3-cd) pyrene 1840 µg/kg 2-Methyl-4,6-dinitrophenol 4250 µg/kg 2-Methylnaphthalene 1350 µg/kg 2-Methylphenol (o-Cresol) 280 µg/kg 4-Nitrophenol 3550 µg/kg n-Nitroso-di-n-propylamine 2000 µg/kg Pentachlorophenol 3190 µg/kg Phenanthrene 1900 µg/kg Phenol 899 µg/kg Pyrene 1110 µg/kg 2,4,6-Trichlorophenol 5950 µg/kg	
CRM133-10G	粘土壤土 2 - 硝基芳烃 / 亚硝胺 Nitroaromatics/Nitrosamine - Clay Loam 2 Certified reference material, pkg of 10 g (Sigma-Aldrich) Assigned values Nitrobenzene 7.46 mg/Kg 1,3-Dinitrobenzene (1,3-DNB) 12.3 mg/Kg 2,4-Dinitrotoluene (2,4-DNT) 16.0 mg/Kg 2,6-Dinitrotoluene (2,6-DNT) 20.2 mg/Kg 4-Amino-2,6-dinitrotoluene (4-am-dnt) ... 1.83 mg/Kg 2-Nitrotoluene 19.7 mg/Kg 3-Nitrotoluene 6.47 mg/Kg 4-Nitrotoluene 10.7 mg/Kg 2,4,6-Trinitrotoluene (2,4,6-TNT) 13.8 mg/Kg HMX 2.00 mg/Kg	10 g
CRM135-100G	粉质粘土 1 - BNAs BNAs - Silty Clay 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) Certified values Lot 010382 1,2-Dichlorobenzene 673 µg/kg 1,3-Dichlorobenzene 329 µg/kg 1,4-Dichlorobenzene 163 µg/kg Hexachlorobutadiene 155 µg/kg Hexachloroethane 156 µg/kg Naphthalene 640 µg/kg Nitrobenzene 4370 µg/kg 1,2,4-Trichlorobenzene 1710 µg/kg Acenaphthene 1390 µg/kg Acenaphthylene 1210 µg/kg Aniline 2310 µg/kg Anthracene 848 µg/kg Benzo(a)anthracene 3520 µg/kg Benzo(a)pyrene 347 µg/kg Benzoic acid 1900 µg/kg Benzyl alcohol 1560 µg/kg 4-Bromophenyl phenyl ether 5260 µg/kg Butyl benzyl phthalate 3130 µg/kg Carbazole 5400 µg/kg 4-Chloro-3-methylphenol 602 µg/kg 4-Chloroaniline 749 µg/kg bis(2-Chloroethyl) ether 694 µg/kg 2-Chloronaphthalene 2030 µg/kg 2-Chlorophenol 1670 µg/kg 4-Chlorophenyl phenylether 7620 µg/kg Dibenzofuran 5100 µg/kg Di-n-butyl phthalate 4600 µg/kg 2,4-Dichlorophenol 1550 µg/kg 2,4-Dimethylphenol 3270 µg/kg Dimethyl phthalate 3780 µg/kg 2,4-Dinitrophenol 2220 µg/kg Di-n-octyl phthalate 5140 µg/kg Fluoranthene 328 µg/kg Fluorene 3410 µg/kg Isophorone 742 µg/kg 2-Methyl-4,6-dinitrophenol 4280 µg/kg 2-Methylphenol (o-Cresol) 3500 µg/kg 4-Methylphenol (p-Cresol) 5900 µg/kg 3+4-Methylphenol (m+p-Cresol) 6830 µg/kg 2-Nitroaniline 5090 µg/kg 3-Nitroaniline 4930 µg/kg 4-Nitroaniline 1730 µg/kg 2-Nitrophenol 3820 µg/kg 4-Nitrophenol 3680 µg/kg Pentachlorophenol 3420 µg/kg Phenanthrene 2010 µg/kg	100 g
CRM137-10G	壤质砂 1 - 硝基芳烃 / 亚硝酸盐 Nitroaromatics/Nitrosamin - Loamy Sand 1 Certified reference material, pkg of 10 g (Sigma-Aldrich) Certified using USEPA SW846, 3rd edition, method 8330 or by similar HPLC methods. Certified values Nitrobenzene 4.88 mg/kg 1,3-Dinitrobenzene (1,3-DNB) 1.72 mg/kg 4,2,4-Dinitrotoluene (2,4-DNT) 4.62 mg/kg 2,6-Dinitrotoluene (2,6-DNT) 1.57 mg/kg 2-Amino-4,6-dinitrotoluene 6.86 mg/kg 4-Amino-2,6-dinitrotoluene 3.10 mg/kg RDX 1.16 mg/kg 2-Nitrotoluene 3.65 mg/kg 3-Nitrotoluene 3.13 mg/kg HMX 1.96 mg/kg Tetryl 1.96 mg/kg 2,4,6-Trinitrotoluene(2,4,6-TNT) 5.02 mg/kg	10 g

订货号	产品信息	包装
CRM138-10G	粉砂质壤土 1 - 硝基芳烃 / 亚硝酸盐 Nitroaromatics/Nitrosamin - Silty Loam 1 Certified reference material, pkg of 10 g (Sigma-Aldrich) Certified values Nitrobenzene7.06 mg/kg 2-Nitrotoluene 6.85 mg/kg 2,4-Dinitrotoluene (2,4-DNT) 5.22 mg/kg 3-Nitrotoluene 6.09 mg/kg 2,6-Dinitrotoluene (2,6-DNT) 6.78 mg/kg 4-Nitrotoluene 7.89 mg/kg	10 g
CRM140-100G	粘土 3 - BNAs / 多环芳烃 (PAH) BNAs/PAH - Clay 3 USEPA Method 8270C was the primary method for certification (GC-MS). Lot 012878 1,2-Dichlorobenzene 2,140 µg/kg Di-n-butyl phthalate 5,550 µg/kg 1,4-Dichlorobenzene 571 µg/kg 2,4-Dichlorophenol 1,090 µg/kg Hexachlorobutadiene 1,620 µg/kg 2,6-Dichlorophenol 1,670 µg/kg Naphthalene1,080 µg/kg bis(2-Ethylhexyl) phthalate (DEHP)..... 3,920 µg/kg Nitrobenzene5,150 µg/kg Diethyl phthalate 6,470 µg/kg Pyridine 520 µg/kg 2,4-Dimethylphenol 1,590 µg/kg 1,2,4-Trichlororbenzene 3,510 µg/kg Dimethyl phthalate 6,470 µg/kg Acenaphthene 1,700 µg/kg Di-n-octyl phthalate 3,830 µg/kg Acenaphthylene 1,370 µg/kg Fluoranthene 1,910 µg/kg Anthracene1,550 µg/kg Fluorene 3,270 µg/kg Benzo(a)pyrene2,750 µg/kg Hexachlorocyclopentadiene 2,120 µg/kg Benzo(b)fluoranthene2,170 µg/kg Indeno(1,2,3-cd) pyrene 883 µg/kg Benzo(g,h,i)perylene 1,290 µg/kg 2-Methyl-4,6-dinitrophenol 1,520 µg/kg Benzo(k)fluoranthene 1,550 µg/kg 2-Methylnaphthalene 3,890 µg/kg 4-Bromophenyl phenyl ether 7,780 µg/kg 2-Methylphenol (o-Cresol) 4,150 µg/kg Butyl benzyl phthalate1,540 µg/kg 2-Nitrophenol1,940 µg/kg 4-Chloro-3-methylphenol3,620 µg/kg 4-Nitrophenol2,410 µg/kg bis(2-Chloroethoxy) methane 6,910 µg/kg Pentachlorophenol 2,520 µg/kg bis(2-Chloroethyl) ether3,860 µg/kg Phenanthrene 5,020 µg/kg 1-Chloronaphthalene1,530 µg/kg Phenol4,460 µg/kg 2-Chloronaphthalene1,070 µg/kg Pyrene..... 5,280 µg/kg 2-Chlorophenol1,590 µg/kg 2,4,5-Trichlorophenol 2,790 µg/kg Chrysene1,350 µg/kg 2,4,6-Trichlorophenol 2,840 µg/kg	100 g
CRM141-50G	壤质粘土 1 - 多环芳烃 (PAH) PAH - Loamy Clay 1 pkg of 50 g (Sigma-Aldrich) The organic sample is a soil containing extractable PAHs for analysis by 8100, 8270, 8310 or equivalent methods. Certified values Lot: 015161 Naphthalene 188 ± 40.3 µg/kg Benzo(k)fluoranthene 253 ± 43.9 µg/kg Acenaphthene 693 ± 174 µg/kg Chrysene 316 ± 52.0 µg/kg Acenaphthylene176 ± 45.5 µg/kg Dibenzo(a,h)anthracene 451 ± 70.4 µg/kg Anthracene393 ± 130 µg/kg Fluoranthene 176 ± 40.3 µg/kg Benzo(a)anthracene 409 ± 83.0 µg/kg Fluorene 338 ± 111 µg/kg Benzo(a)pyrene198 ± 25.8 µg/kg Indeno(1,2,3-cd)pyrene 394 ± 52.0 µg/kg Benzo(b)fluoranthene 364 ± 48.6 µg/kg Phenanthrene 719 ± 221 µg/kg Benzo(g,h,i)perylene 618 ± 109 µg/kg Pyrene 331 ± 62.0 µg/kg	50 g
CRM142-50G	粉质壤土 - 多环芳烃 (PAH) PAHs - Silty Loam Soil pkg of 50 g (Sigma-Aldrich) Analytical data for certification was obtained using USEPA SW846, 3rd edition extraction methods 3540B/3541 (soxhlet) and 3550A (sonication). Analysis was carried out according to USEPA method 8310 & 8270. The standards are intended for use in analytical systems using these and related methods. Lot 018015 Naphthalene 593 µg/kg Benzo(k)fluoranthene 163 µg/kg Acenaphthene 424 µg/kg Chrysene 260 µg/kg Acenaphthylene 526µg/kg Dibenzo(a,h)anthracene 227 µg/kg Anthracene252 µg/kg Fluoranthene 850 µg/kg Benzo(a)anthracene 225 µg/kg Fluorene 339 µg/kg Benzo(a)pyrene186 µg/kg Indeno(1,2,3-cd) pyrene 195 µg/kg Benzo(b)fluoranthene100 µg/kg Phenanthrene 401 µg/kg Benzo(g,h,i)perylene 372 µg/kg Pyrene 418 µg/kg	50 g

订货号	产品信息	包装																																																																																																				
CRM143-50G	砂质壤土 BNAs BNAs - Sandy Loam pkg of 50 g (Sigma-Aldrich) The values were determined by USEPA SW846 (3rd edition) Extraction Method 3540C (soxhlet) and 3550 (sonication), and Analysis Method 8270C (semivolatile organics by GC/MS). The sample is suitable for these and other similar methods. Certified values <table><tr><td>1,2-Dichlorobenzene</td><td>3,400 µg/kg</td><td>Fluoranthene</td><td>5,400 µg/kg</td></tr><tr><td>1,4-Dichlorobenzene</td><td>6,500 µg/kg</td><td>Fluorene</td><td>7,520 µg/kg</td></tr><tr><td>Acenaphthene</td><td>2,740 µg/kg</td><td>Hexachlorobutadiene</td><td>4,080 µg/kg</td></tr><tr><td>Acenaphthylene</td><td>6,950 µg/kg</td><td>Hexachloroethane</td><td>6,020 µg/kg</td></tr><tr><td>Anthracene</td><td>7,160 µg/kg</td><td>Hexachlorocyclopentadiene</td><td>3,390 µg/kg</td></tr><tr><td>Benzo(a)anthracene</td><td>3,050 µg/kg</td><td>Indeno(1,2,3-cd)pyrene</td><td>1,470 µg/kg</td></tr><tr><td>Benzo(b)fluoranthene</td><td>5,370 µg/kg</td><td>Isophorone</td><td>3,860 µg/kg</td></tr><tr><td>Benzo(k)fluoranthene</td><td>3,690 µg/kg</td><td>2-Methyl-4,6-dinitrophenol</td><td>1,330 µg/kg</td></tr><tr><td>Benzo(g,h,i)perylene</td><td>2,250 µg/kg</td><td>2-Methylphenol(o-Cresol)</td><td>6,960 µg/kg</td></tr><tr><td>Benzo(a)pyrene</td><td>5,650 µg/kg</td><td>4-Methylphenol(p-Cresol)</td><td>2,990 µg/kg</td></tr><tr><td>bis(2-Ethylhexyl)phthalate</td><td>2,070 µg/kg</td><td>3+4-Methylphenol(m+p-Cresol)</td><td>2,920 µg/kg</td></tr><tr><td>Butylbenzylphthalate</td><td>6,310 µg/kg</td><td>Naphthalene.....</td><td>6,950 µg/kg</td></tr><tr><td>bis(2-Chloroethoxy)methane</td><td>3,290 µg/kg</td><td>Nitrobenzene.....</td><td>5,820 µg/kg</td></tr><tr><td>4-Chloro-3-methylphenol</td><td>6,560 µg/kg</td><td>2-Nitrophenol</td><td>7,330 µg/kg</td></tr><tr><td>2-Chloronaphthalene</td><td>2,030 µg/kg</td><td>4-Nitrophenol</td><td>4,140 µg/kg</td></tr><tr><td>4-Chlorophenylphenylether</td><td>9,100 µg/kg</td><td>n-Nitrosodimethylamine</td><td>3,410 µg/kg</td></tr><tr><td>Dibenz(a,h)anthracene</td><td>2,110 µg/kg</td><td>n-Nitrosodiphenylamine</td><td>1,350 µg/kg</td></tr><tr><td>Di-n-butylphthalate</td><td>4,920 µg/kg</td><td>n-Nitrosodi-n-propylamine</td><td>6,810 µg/kg</td></tr><tr><td>2,4-Dichlorophenol</td><td>6,650 µg/kg</td><td>Phenanthrene</td><td>1,870 µg/kg</td></tr><tr><td>2,6-Dichlorophenol</td><td>3,330 µg/kg</td><td>Pentachlorophenol</td><td>3,350 µg/kg</td></tr><tr><td>Diethylphthalate</td><td>3,760 µg/kg</td><td>Phenol</td><td>3,510 µg/kg</td></tr><tr><td>2,4-Dimethylphenol.....</td><td>3,440 µg/kg</td><td>Pyrene</td><td>1,540 µg/kg</td></tr><tr><td>Dimethylphthalate</td><td>6,480 µg/kg</td><td>1,2,4-Trichlorobenzene</td><td>2,600 µg/kg</td></tr><tr><td>Di-n-octyl phthalate.....</td><td>1,820 µg/kg</td><td>2,4,5-Trichlorophenol</td><td>5,330 µg/kg</td></tr><tr><td>2,4-Dinitrotoluene(2,4-DNT)</td><td>9,630 µg/kg</td><td></td><td></td></tr></table>	1,2-Dichlorobenzene	3,400 µg/kg	Fluoranthene	5,400 µg/kg	1,4-Dichlorobenzene	6,500 µg/kg	Fluorene	7,520 µg/kg	Acenaphthene	2,740 µg/kg	Hexachlorobutadiene	4,080 µg/kg	Acenaphthylene	6,950 µg/kg	Hexachloroethane	6,020 µg/kg	Anthracene	7,160 µg/kg	Hexachlorocyclopentadiene	3,390 µg/kg	Benzo(a)anthracene	3,050 µg/kg	Indeno(1,2,3-cd)pyrene	1,470 µg/kg	Benzo(b)fluoranthene	5,370 µg/kg	Isophorone	3,860 µg/kg	Benzo(k)fluoranthene	3,690 µg/kg	2-Methyl-4,6-dinitrophenol	1,330 µg/kg	Benzo(g,h,i)perylene	2,250 µg/kg	2-Methylphenol(o-Cresol)	6,960 µg/kg	Benzo(a)pyrene	5,650 µg/kg	4-Methylphenol(p-Cresol)	2,990 µg/kg	bis(2-Ethylhexyl)phthalate	2,070 µg/kg	3+4-Methylphenol(m+p-Cresol)	2,920 µg/kg	Butylbenzylphthalate	6,310 µg/kg	Naphthalene.....	6,950 µg/kg	bis(2-Chloroethoxy)methane	3,290 µg/kg	Nitrobenzene.....	5,820 µg/kg	4-Chloro-3-methylphenol	6,560 µg/kg	2-Nitrophenol	7,330 µg/kg	2-Chloronaphthalene	2,030 µg/kg	4-Nitrophenol	4,140 µg/kg	4-Chlorophenylphenylether	9,100 µg/kg	n-Nitrosodimethylamine	3,410 µg/kg	Dibenz(a,h)anthracene	2,110 µg/kg	n-Nitrosodiphenylamine	1,350 µg/kg	Di-n-butylphthalate	4,920 µg/kg	n-Nitrosodi-n-propylamine	6,810 µg/kg	2,4-Dichlorophenol	6,650 µg/kg	Phenanthrene	1,870 µg/kg	2,6-Dichlorophenol	3,330 µg/kg	Pentachlorophenol	3,350 µg/kg	Diethylphthalate	3,760 µg/kg	Phenol	3,510 µg/kg	2,4-Dimethylphenol.....	3,440 µg/kg	Pyrene	1,540 µg/kg	Dimethylphthalate	6,480 µg/kg	1,2,4-Trichlorobenzene	2,600 µg/kg	Di-n-octyl phthalate.....	1,820 µg/kg	2,4,5-Trichlorophenol	5,330 µg/kg	2,4-Dinitrotoluene(2,4-DNT)	9,630 µg/kg			50 g
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CRM170-50G	粘土 - 多环芳烃 (PAH) Clay Soil - PAHs This soil contains extractable PAHs for analysis by 8100, 8270, 8310 or equivalent method and consist of 5 vials containing 10g of soil each. Certified values Lot 014934 <table><tr><td>Naphthalene</td><td>304 µg/kg</td><td>Benzo(b)fluoranthene...</td><td>309 µg/kg</td><td>Fluorene</td><td>324 µg/kg</td></tr><tr><td>Acenaphthene</td><td>265 µg/kg</td><td>Benzo(g,h,i)perylene ..</td><td>747 µg/kg</td><td>Indeno(1,2,3-cd)pyrene</td><td>140 µg/kg</td></tr><tr><td>Acenaphthylene</td><td>486 µg/kg</td><td>Benzo(k)fluoranthene .</td><td>385 µg/kg</td><td>Phenanthrene</td><td>225 µg/kg</td></tr><tr><td>Anthracene</td><td>162 µg/kg</td><td>Chrysene</td><td>216 µg/kg</td><td>Pyrene</td><td>314 µg/kg</td></tr><tr><td>Benzo(a)anthracene ...</td><td>284 µg/kg</td><td>Dibenzo(a,h)anthracene.</td><td>184 µg/kg</td><td></td><td></td></tr><tr><td>Benzo(a)pyrene</td><td>84.4 µg/kg</td><td>Fluoranthene</td><td>464 µg/kg</td><td></td><td></td></tr></table>	Naphthalene	304 µg/kg	Benzo(b)fluoranthene...	309 µg/kg	Fluorene	324 µg/kg	Acenaphthene	265 µg/kg	Benzo(g,h,i)perylene ..	747 µg/kg	Indeno(1,2,3-cd)pyrene	140 µg/kg	Acenaphthylene	486 µg/kg	Benzo(k)fluoranthene .	385 µg/kg	Phenanthrene	225 µg/kg	Anthracene	162 µg/kg	Chrysene	216 µg/kg	Pyrene	314 µg/kg	Benzo(a)anthracene ...	284 µg/kg	Dibenzo(a,h)anthracene.	184 µg/kg			Benzo(a)pyrene	84.4 µg/kg	Fluoranthene	464 µg/kg			50 g																																																																
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CRM171-100G	砂质壤土 2 - 多环芳烃 (PAH) PAH - Loamy Sand 2 Analytical data for certification was obtained using USEPA SW846, 3rd edition extraction methods 3540B/3541 (soxhlet) and 3550A (sonication). Analysis was carried out according to USEPA method 8310 & 8270. The standards are intended for use in analytical systems using these and related methods. Lot 013231 <table><tr><td>Naphthalene</td><td>223 ± 36.7 µg/kg</td><td>Benzo(k)fluoranthene</td><td>214 ± 26.8 µg/kg</td></tr><tr><td>Acenaphthene</td><td>133 ± 28.3 µg/kg</td><td>Chrysene</td><td>181 ± 15.6 µg/kg</td></tr><tr><td>Acenaphthylene</td><td>112 ± 24.3 µg/kg</td><td>Dibenzo(a,h)anthracene</td><td>44.7 ± 10.1 µg/kg</td></tr><tr><td>Anthracene</td><td>27.8 ± 7.81 µg/kg</td><td>Fluoranthene</td><td>213 ± 24.5 µg/kg</td></tr><tr><td>Benzo(a)anthracene</td><td>85.7 ± 9.63 µg/kg</td><td>Fluorene</td><td>131 ± 18.9 µg/kg</td></tr><tr><td>Benzo(a)pyrene</td><td>11.8 ± 1.45 µg/kg</td><td>Indeno(1,2,3-cd) pyrene</td><td>228 ± 38.2 µg/kg</td></tr><tr><td>Benzo(b)fluoranthene</td><td>138 ± 15.2 µg/kg</td><td>Phenanthrene</td><td>387 ± 33.9 µg/kg</td></tr><tr><td>Benzo(g,h,i)perylene</td><td>347 ± 82.0 µg/kg</td><td>Pyrene.....</td><td>177 ± 19.3 µg/kg</td></tr></table>	Naphthalene	223 ± 36.7 µg/kg	Benzo(k)fluoranthene	214 ± 26.8 µg/kg	Acenaphthene	133 ± 28.3 µg/kg	Chrysene	181 ± 15.6 µg/kg	Acenaphthylene	112 ± 24.3 µg/kg	Dibenzo(a,h)anthracene	44.7 ± 10.1 µg/kg	Anthracene	27.8 ± 7.81 µg/kg	Fluoranthene	213 ± 24.5 µg/kg	Benzo(a)anthracene	85.7 ± 9.63 µg/kg	Fluorene	131 ± 18.9 µg/kg	Benzo(a)pyrene	11.8 ± 1.45 µg/kg	Indeno(1,2,3-cd) pyrene	228 ± 38.2 µg/kg	Benzo(b)fluoranthene	138 ± 15.2 µg/kg	Phenanthrene	387 ± 33.9 µg/kg	Benzo(g,h,i)perylene	347 ± 82.0 µg/kg	Pyrene.....	177 ± 19.3 µg/kg	100 g																																																																				
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订货号	产品信息	包装																																
CRM172-100G	砂质壤土 - 多环芳烃 (PAHs) PAHs - Sandy Loam Soil Analytical data for certification was obtained using USEPA SW846, 3rd edition extraction methods 3540B/3541 (soxhlet) and 3550A (sonication). Analysis was carried out according to USEPA method 8310 & 8270. The standards are intended for use in analytical systems using these and related methods. Lot 013043 <table><tr><td>Naphthalene</td><td>140 µg/kg</td><td>Benzo(k)fluoranthene</td><td>62.6 µg/kg</td></tr><tr><td>Acenaphthene</td><td>94.9 µg/kg</td><td>Chrysene</td><td>154 µg/kg</td></tr><tr><td>Acenaphthylene</td><td>55.6 µg/kg</td><td>Dibenzo(a,h)anthracene</td><td>284 µg/kg</td></tr><tr><td>Anthracene</td><td>17.7 µg/kg</td><td>Fluoranthene</td><td>634 µg/kg</td></tr><tr><td>Benzo(a)anthracene</td><td>303 µg/kg</td><td>Fluorene</td><td>66.4 µg/kg</td></tr><tr><td>Benzo(a)pyrene</td><td>33.9 µg/kg</td><td>Indeno(1,2,3-cd) pyrene</td><td>179 µg/kg</td></tr><tr><td>Benzo(b)fluoranthene</td><td>177 µg/kg</td><td>Phenanthrene</td><td>168 µg/kg</td></tr><tr><td>Benzo(g,h,i)perylene</td><td>452 µg/kg</td><td>Pyrene.....</td><td>86.5 µg/kg</td></tr></table>	Naphthalene	140 µg/kg	Benzo(k)fluoranthene	62.6 µg/kg	Acenaphthene	94.9 µg/kg	Chrysene	154 µg/kg	Acenaphthylene	55.6 µg/kg	Dibenzo(a,h)anthracene	284 µg/kg	Anthracene	17.7 µg/kg	Fluoranthene	634 µg/kg	Benzo(a)anthracene	303 µg/kg	Fluorene	66.4 µg/kg	Benzo(a)pyrene	33.9 µg/kg	Indeno(1,2,3-cd) pyrene	179 µg/kg	Benzo(b)fluoranthene	177 µg/kg	Phenanthrene	168 µg/kg	Benzo(g,h,i)perylene	452 µg/kg	Pyrene.....	86.5 µg/kg	100 g
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CRM2003-50G	台湾粘土 1 - 微量金属元素 Trace Metals - Taiwan Clay 1 The certified values were determined by using USEPA SW846 Method 7060A for Arsenic, by using USEPA SW846 Method 7471B for Mercury, and by using Aqua Regia Method for Cadmium, Chromium, Copper, Lead, Nickel, and Zinc. Certified values Lot A-21 <table><tr><td>Arsenic, As</td><td>20.7mg/kg</td><td>Lead, Pb</td><td>44.1 mg/kg</td></tr><tr><td>Cadmium, Cd.....</td><td>1.66mg/kg</td><td>Manganese, Mn</td><td>292 mg/kg</td></tr><tr><td>Chromium, Cr (total)</td><td>86.8 mg/kg</td><td>Mercury, Hg</td><td>0.865 mg/kg</td></tr><tr><td>Cobalt, Co</td><td>13.5 mg/kg</td><td>Nickel, Ni</td><td>206 mg/kg</td></tr><tr><td>Copper, Cu</td><td>126 mg/kg</td><td>Zinc, Zn</td><td>342 mg/kg</td></tr></table>	Arsenic, As	20.7mg/kg	Lead, Pb	44.1 mg/kg	Cadmium, Cd.....	1.66mg/kg	Manganese, Mn	292 mg/kg	Chromium, Cr (total)	86.8 mg/kg	Mercury, Hg	0.865 mg/kg	Cobalt, Co	13.5 mg/kg	Nickel, Ni	206 mg/kg	Copper, Cu	126 mg/kg	Zinc, Zn	342 mg/kg	50 g												
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Copper, Cu	126 mg/kg	Zinc, Zn	342 mg/kg																															
CRM2004-50G	台湾粘土 1 - 微量金属元素 Trace Metals - Taiwan Clay 2 Certified reference material, pkg of 50 g (Sigma-Aldrich) The certified values were determined by using USEPA SW846 Method 7060A for Arsenic, by using USEPA SW846 Method 7471B for Mercury, and by using Aqua Regia Method for Cadmium, Chromium, Copper, Lead, Nickel, and Zinc. Certified values Lot B-22 <table><tr><td>Arsenic, As</td><td>7.81mg/kg</td><td>Lead, Pb</td><td>44.9mg/kg</td></tr><tr><td>Cadmium, Cd.....</td><td>7.89mg/kg</td><td>Manganese, Mn</td><td>118mg/kg</td></tr><tr><td>Chromium, Cr (total)</td><td>47.1mg/kg</td><td>Mercury, Hg</td><td>0.140mg/kg</td></tr><tr><td>Cobalt, Co</td><td>8.22mg/kg</td><td>Nickel, Ni</td><td>38.5mg/kg</td></tr><tr><td>Copper, Cu</td><td>65.1mg/kg</td><td>Zinc, Zn</td><td>118mg/kg</td></tr></table>	Arsenic, As	7.81mg/kg	Lead, Pb	44.9mg/kg	Cadmium, Cd.....	7.89mg/kg	Manganese, Mn	118mg/kg	Chromium, Cr (total)	47.1mg/kg	Mercury, Hg	0.140mg/kg	Cobalt, Co	8.22mg/kg	Nickel, Ni	38.5mg/kg	Copper, Cu	65.1mg/kg	Zinc, Zn	118mg/kg	50 g												
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Cobalt, Co	8.22mg/kg	Nickel, Ni	38.5mg/kg																															
Copper, Cu	65.1mg/kg	Zinc, Zn	118mg/kg																															
CRM202-225G	砂质壤土 1 - TCLP金属元素 TCLP Metals - Sandy Loam 1 ified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values in the Method 1311 extract Lot 000109 <table><tr><td>Ag</td><td>4.33 mg/L</td><td>Cd</td><td>21.4 mg/L</td><td>Pb</td><td>38.2 mg/L</td></tr><tr><td>As</td><td>1.70 mg/L</td><td>Cr</td><td>3.64 mg/L</td><td>Se</td><td>1.96 mg/L</td></tr><tr><td>Ba</td><td>4.51 mg/L</td><td>Hg</td><td>2.13 mg/L</td><td>Zn</td><td>0.449 mg/L</td></tr></table>	Ag	4.33 mg/L	Cd	21.4 mg/L	Pb	38.2 mg/L	As	1.70 mg/L	Cr	3.64 mg/L	Se	1.96 mg/L	Ba	4.51 mg/L	Hg	2.13 mg/L	Zn	0.449 mg/L	225 g														
Ag	4.33 mg/L	Cd	21.4 mg/L	Pb	38.2 mg/L																													
As	1.70 mg/L	Cr	3.64 mg/L	Se	1.96 mg/L																													
Ba	4.51 mg/L	Hg	2.13 mg/L	Zn	0.449 mg/L																													
CRM204-225G	砂质壤土 2 - TCLP金属元素 TCLP Metals - Sandy Loam 2 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000107 <table><tr><td>As</td><td>0.5 mg/L</td><td>Cr</td><td>3.31 mg/L</td></tr><tr><td>Cd</td><td>14.8 mg/L</td><td>Pb</td><td>4.51 mg/L</td></tr></table> Indicative values for Aa, Ba, Ha, Se	As	0.5 mg/L	Cr	3.31 mg/L	Cd	14.8 mg/L	Pb	4.51 mg/L	225 g																								
As	0.5 mg/L	Cr	3.31 mg/L																															
Cd	14.8 mg/L	Pb	4.51 mg/L																															

订货号	产品信息	包装
CRM206-225G	砂质壤土 3 - TCLP金属元素 TCLP Metals - Sandy Loam 3 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000117 Ag.....0.605 mg/L Cd 8.20 mg/L Pb..... 1.78 mg/L As11.7 mg/L Cr 0.0747 mg/L Se..... 20.3 mg/L Ba.....0.247 mg/L Hg 1.17 mg/L	225 g
CRM207-225G	砂质壤土 3 - TCLP金属元素 TCLP Metals - Loamy Sand 3 Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000165 Ag.....0.965 mg/L Cd 7.30 mg/L Pb..... 2.54 mg/L As8.61 mg/L Cr 0.762 mg/L Se..... 21.1 mg/L Ba.....0.426 mg/L Hg 0.0304 mg/L	225 g
CRM209-225G	砂质壤土 11 - TCLP金属元素 TCLP Metals - Sandy Loam 11 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for six Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000153 As 12.3 mg/L Cd 4.75 mg/L Pb..... 31.3 mg/L Ba.....0.265 mg/L Cr 0.243 mg/L	225 g
CRM210-225G	砂质壤土 12 - TCLP金属元素 TCLP Metals - Sandy Loam 12 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000442 Ag..... 0.12 mg/L Cd 6.50 mg/L Pb..... 133 mg/L As 1.98 mg/L Cr 0.46 mg/L Se..... 1.38 mg/L Ba..... 0.50 mg/L Hg 0.45 mg/L	225 g
CRM211-225G	砂质壤土 13 - TCLP金属元素 TCLP Metals - Sandy Loam 13 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000534 As 4.49 mg/L Cr 0.533 mg/L Zn 1.43 mg/L Ba.....0.320 mg/L Pb 0.867 mg/L Cd3.18 mg/L Se 1.68 mg/L	225 g
CRM212-225G	砂质壤土 1 - TCLP金属元素 TCLP Metals - Loamy Sand 1 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000609 As 0.295 mg/L Cd 0.377 mg/L Se..... 0.310 mg/L Ba..... 0.716 mg/L Cr 0.0187 mg/L Indicative values for Cu, Ag, Hg, Zn	225 g

订货号	产品信息	包装
CRM213-225G	砂质壤土 2 - TCLP金属元素 TCLP Metals - Loamy Sand 2 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000718 As 3.12 mg/L Cd 13.1 mg/L Hg 1.36 mg/L Ag.....0.0335 mg/L Cr 0.280 mg/L Se.....7.56 mg/L Ba..... 2.12 mg/L Pb 4.83 mg/L	225 g
CRM215-225G	砂质壤土 6 - TCLP金属元素 TCLP Metals - Sandy Loam 6 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot 000962 Extraction fluid 1 Extraction fluid 2 As3.3 mg/L..... 5.76 mg/L Ba 16.5mg/L..... 17.4 mg/L Cd 31.4 mg/L..... 54.1 mg/L Cr 0.912 mg/L..... 2.09 mg/L Pb 0.565 mg/L..... 1.93 mg/L Hg 1.48 mg/L..... 1.78 mg/L Se 1.31 mg/L..... 1.87 mg/L Ag ND..... ND ND: not detected	225 g
CRM217-225G	砂质壤土 8 - TCLP金属元素 TCLP Metals - Sandy Loam 8 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. Certified values Lot BC217 As 1.84 mg/L Cr0.467 mg/L Se 8.63 mg/L Ba3.43 mg/L Pb1.75 mg/L Ag 0.037 mg/L Cd 8.85 mg/L Hg0.198 mg/L	225 g
CRM218-225G	壤土1 - TCLP 金属元素 TCLP Metals - Loam 1 Certified reference material, pkg of 225 g (Sigma-Aldrich) Collected from sites located in the Western United States and analysed for eight Toxicity Characteristic Leaching Procedure (TCLP) Metals. The samples were certified using method USEPA SW 846, 3rd edition, 1311, 6011 and 7000 series. All values are expressed in mg/L in the Method 1311 extract. Certified values Lot 017197 As 5.04 mg/L Cu0.0572 mg/L Se 40.6 mg/L Ag 0.0377 mg/L Hg1.03 mg/L V 0.794 mg/L Ba49.4 mg/L Pb6.73 mg/L Zn41.3 mg/L Cd48.6 mg/L Ni0.0213 mg/L Cr0.243 mg/L Sb0.0154 mg/L	225 g
CRM304-30G	粘土 1 - 苯系物 (BTEX) BTEX - Clay 1 This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The sample has been analyzed by a minimum of 20 laboratories to meet the requirements specified by the IPA/AALA RM-03, ISO Guides 34 and 35. The soil was certified by USEPA SW846, 3rd edition Method 5030A and 8020A or 8040B and is suitable for use by these and other similar methods. Certified values Lot 002520 Benzene 3.57mg/kg o-Xylene 2.40 mg/kg Ethylbenzene 8.73mg/kg Xylene, total 7.02 mg/kg Toluene 3.84mg/kg Gasoline range organics (C6-C12) 65.5 mg/kg m+p-Xylene 2.43mg/kg	30 g

订货号	产品信息	包装																												
CRM305-30G	粉砂壤土 1 - 苯系物 (BTEX) BTEX - Silt Loam 1 The sample was certified by USEPA SW846, 3rd edition Method 5030A and 8020A or 8240B and is suitable for use by these and other similar methods. Certified values Lot 010406 <table><tr><td>Benzene</td><td>57.5 mg/kg</td><td>m+p-Xylene.....</td><td>42.7 mg/kg</td></tr><tr><td>Ethylbenzene</td><td>3.49 mg/kg</td><td>o-Xylene</td><td>23.2 mg/kg</td></tr><tr><td>Methyl tert-butyl ether (MTBE)</td><td>31.6 mg/kg</td><td>Xylene, total</td><td>66.7 mg/kg</td></tr><tr><td>Toluene</td><td>15.5 mg/kg</td><td>Gasoline range organics (C6-C12)</td><td>235 mg/kg</td></tr></table>	Benzene	57.5 mg/kg	m+p-Xylene.....	42.7 mg/kg	Ethylbenzene	3.49 mg/kg	o-Xylene	23.2 mg/kg	Methyl tert-butyl ether (MTBE)	31.6 mg/kg	Xylene, total	66.7 mg/kg	Toluene	15.5 mg/kg	Gasoline range organics (C6-C12)	235 mg/kg	30 g												
Benzene	57.5 mg/kg	m+p-Xylene.....	42.7 mg/kg																											
Ethylbenzene	3.49 mg/kg	o-Xylene	23.2 mg/kg																											
Methyl tert-butyl ether (MTBE)	31.6 mg/kg	Xylene, total	66.7 mg/kg																											
Toluene	15.5 mg/kg	Gasoline range organics (C6-C12)	235 mg/kg																											
CRM306-30G	土 3 - 苯系物 (BTEX) BTEX - Soil 3 This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA SW846, 3rd edition Method 5030A and 8021B or 8260B and is suitable for use by these and other similar methods. Certified values Lot 010590 <table><tr><td>Benzene</td><td>20.2 mg/kg</td><td>o-Xylene</td><td>33.6 mg/kg</td></tr><tr><td>Ethylbenzene</td><td>40.1 mg/kg</td><td>m+p Xylene</td><td>30.4 mg/kg</td></tr><tr><td>Methyl tert-butyl ether (MTBE)</td><td>9.45 mg/kg</td><td>Total Xylene</td><td>69.5 mg/kg</td></tr><tr><td>Toluene</td><td>51.4 mg/kg</td><td></td><td></td></tr></table>	Benzene	20.2 mg/kg	o-Xylene	33.6 mg/kg	Ethylbenzene	40.1 mg/kg	m+p Xylene	30.4 mg/kg	Methyl tert-butyl ether (MTBE)	9.45 mg/kg	Total Xylene	69.5 mg/kg	Toluene	51.4 mg/kg			30 g												
Benzene	20.2 mg/kg	o-Xylene	33.6 mg/kg																											
Ethylbenzene	40.1 mg/kg	m+p Xylene	30.4 mg/kg																											
Methyl tert-butyl ether (MTBE)	9.45 mg/kg	Total Xylene	69.5 mg/kg																											
Toluene	51.4 mg/kg																													
CRM307-30G	壤质粘土 1 - 苯系物 (BTEX) / GRO BTEX/GRO - Loamy Clay 1 This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA SW846, 3rd edition Method 5030A and 8021B or 8260B and is suitable for use by these and other similar methods. The value for GRO was determined by GC method 8015M. Certified values Lot 015190 <table><tr><td>Benzene</td><td>4240 µg/kg</td><td>1,3,5 - Trimethylbenzene</td><td>1750 µg/kg</td></tr><tr><td>Ethylbenzene</td><td>6540 µg/kg</td><td>m+p-Xylene</td><td>6300 µg/kg</td></tr><tr><td>MTBE</td><td>5430 µg/kg</td><td>o-Xylene</td><td>3190 µg/kg</td></tr><tr><td>Napthalene</td><td>3560 µg/kg</td><td>Total Xylene</td><td>9820 µg/kg</td></tr><tr><td>Toluene</td><td>2790 µg/kg</td><td>Total purgeable hydrocarbons</td><td>65500 µg/kg</td></tr><tr><td>1,2,4 -Trimethylbenzene</td><td>2190 µg/kg</td><td></td><td></td></tr></table>	Benzene	4240 µg/kg	1,3,5 - Trimethylbenzene	1750 µg/kg	Ethylbenzene	6540 µg/kg	m+p-Xylene	6300 µg/kg	MTBE	5430 µg/kg	o-Xylene	3190 µg/kg	Napthalene	3560 µg/kg	Total Xylene	9820 µg/kg	Toluene	2790 µg/kg	Total purgeable hydrocarbons	65500 µg/kg	1,2,4 -Trimethylbenzene	2190 µg/kg			30 g				
Benzene	4240 µg/kg	1,3,5 - Trimethylbenzene	1750 µg/kg																											
Ethylbenzene	6540 µg/kg	m+p-Xylene	6300 µg/kg																											
MTBE	5430 µg/kg	o-Xylene	3190 µg/kg																											
Napthalene	3560 µg/kg	Total Xylene	9820 µg/kg																											
Toluene	2790 µg/kg	Total purgeable hydrocarbons	65500 µg/kg																											
1,2,4 -Trimethylbenzene	2190 µg/kg																													
CRM308-30G	砂质壤土 1 - 苯系物 (BTEX) BTEX - Loamy Sand 1 Certified reference material, pkg of 30 g (Sigma-Aldrich) Certified values Lot 014714 <table><tr><td>Benzene</td><td>4150 µg/kg</td><td>Toluene</td><td>4940 µg/kg</td></tr><tr><td>1,2- Dichlorobenzene</td><td>6400 µg/kg</td><td>1,2,4-Trimethylbenzene</td><td>5100 µg/kg</td></tr><tr><td>1,3-Dichlorobenzene</td><td>1500 µg/kg</td><td>1,3,5-Trimethylbenzene</td><td>2690 µg/kg</td></tr><tr><td>1,4-Dichlorobenzene</td><td>5670 µg/kg</td><td>m+p-Xylene</td><td>5170 µg/kg</td></tr><tr><td>Ethylbenzene</td><td>1550 µg/kg</td><td>o-Xylene</td><td>2320 µg/kg</td></tr><tr><td>Methyl tert-butyl ether (MTBE)</td><td>4720 µg/kg</td><td>Xylene, total</td><td>7390 µg/kg</td></tr><tr><td>Napthalene</td><td>3200 µg/kg</td><td>Total purgeable Hydrocarbons</td><td>67300 µg/kg</td></tr></table>	Benzene	4150 µg/kg	Toluene	4940 µg/kg	1,2- Dichlorobenzene	6400 µg/kg	1,2,4-Trimethylbenzene	5100 µg/kg	1,3-Dichlorobenzene	1500 µg/kg	1,3,5-Trimethylbenzene	2690 µg/kg	1,4-Dichlorobenzene	5670 µg/kg	m+p-Xylene	5170 µg/kg	Ethylbenzene	1550 µg/kg	o-Xylene	2320 µg/kg	Methyl tert-butyl ether (MTBE)	4720 µg/kg	Xylene, total	7390 µg/kg	Napthalene	3200 µg/kg	Total purgeable Hydrocarbons	67300 µg/kg	30 g
Benzene	4150 µg/kg	Toluene	4940 µg/kg																											
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Methyl tert-butyl ether (MTBE)	4720 µg/kg	Xylene, total	7390 µg/kg																											
Napthalene	3200 µg/kg	Total purgeable Hydrocarbons	67300 µg/kg																											
CRM309-30G	粘土 2 - 苯系物 (BTEX) BTEX - Clay 2 Certified values Lot 013253 <table><tr><td>Benzene</td><td>2300 µg/kg</td><td>m+p-Xylene</td><td>7240 µg/kg</td></tr><tr><td>Ethylbenzene</td><td>6130 µg/kg</td><td>o-Xylene</td><td>6440 µg/kg</td></tr><tr><td>Methyl tert-butyl ether (MTBE)</td><td>5070 µg/kg</td><td>Xylenes, total</td><td>12100 µg/kg</td></tr><tr><td>Toluene</td><td>5190 µg/kg</td><td></td><td></td></tr></table>	Benzene	2300 µg/kg	m+p-Xylene	7240 µg/kg	Ethylbenzene	6130 µg/kg	o-Xylene	6440 µg/kg	Methyl tert-butyl ether (MTBE)	5070 µg/kg	Xylenes, total	12100 µg/kg	Toluene	5190 µg/kg			30 g												
Benzene	2300 µg/kg	m+p-Xylene	7240 µg/kg																											
Ethylbenzene	6130 µg/kg	o-Xylene	6440 µg/kg																											
Methyl tert-butyl ether (MTBE)	5070 µg/kg	Xylenes, total	12100 µg/kg																											
Toluene	5190 µg/kg																													
CRM350-100G	砂质黏壤土 1 - 石油烃总量 (TPH) TPH - Sandy Clay Loam 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA 418.1. Certified value Lot 013246 <table><tr><td>TPH</td><td>8300 mg/kg</td><td></td><td></td></tr></table>	TPH	8300 mg/kg			100 g																								
TPH	8300 mg/kg																													

订货号	产品信息	包装
CRM352-100G	壤质砂土 1 - 石油烃总量 (TPH) TPH - Loamy Sand 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) Lot 019605 non-Polar Extractable Material 2,050 ± 531 mg/kg (TPH)	100 g
CRM353-100G	砂质壤土 3 - 石油烃总量 (TPH) TPH - Sandy Loam 3 Certified reference material, pkg of 100 g (Sigma-Aldrich) This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA 418.1. Certified value Lot 012182 TPH 2200 mg/kg	100 g
CRM355-100G	砂质壤土 1 - 石油烃总量 (TPH) TPH - Sandy Loam 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA 418.1. Certified value Lot JC355 TPH 7040 mg/kg	100 g
CRM357-100G	砂质壤土 2 - 石油烃总量 (TPH) TPH - Sandy Loam 2 Certified reference material, pkg of 100 g (Sigma-Aldrich) This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA 418.1. Certified value Lot JF357 TPH 3220 mg/kg	100 g
CRM358-100G	壤质砂土 3 - 石油烃总量 (TPH) TPH - Loamy Sand 3 Certified reference material, pkg of 100 g (Sigma-Aldrich) The value was determined by USEPA Method 8015M, 418.1, Total Recoverable Petroleum Hydrocarbons. Certified value TPH 3650 mg/kg	100 g
CRM359-100G	粘土壤土 1 - 石油烃总量 (TPH) TPH - Clay Loam 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) Certified value Lot 015649 Diesel range organics, C10-C28982 mg/kg Total EPH 1110 mg/kg Diesel Range Organics (DRO) 1030 mg/kg	100 g
CRM360-100G	砂质壤土 4 - 石油烃总量 (TPH) TPH - Sandy Loam 4 Lot 014472 RRO (Residual Range Organics, C25-C36) 610 ± 145 mg/kg	100 g
CRM371-100G	壤土 - 带状石油烃总量 (TPH Banded) Loamy Soil - TPH Banded The soil is to be extracted and analyzed using an appropriate extraction and analytical method for TPH, assuming a high concentration sample. Certified values Lot 013042 C10 to C12 Aliphatics 280 ± 14.8 mg/kg C12 to C16 Aliphatics 764 ± 42.1 mg/kg C16 to C21 Aliphatics 574 ± 30.4 mg/kg C21 to C35 Aliphatics 63.4 ± 6.89 mg/kg C10 to C12 Aromatics 60.0 ± 6.70 mg/kg C12 to C16 Aromatics 210 ± 35.9 mg/kg C16 to C21 Aromatics 168 ± 12.4 mg/kg C21 to C35 Aromatics 23.6 ± 4.78 mg/kg Total Petroleum Hydrocarbons(C6-C35) (TPH) 1,570 ± 286 mg/kg	100 g

订货号	产品信息	包装
CRM372-100G	沙 1 - 石油烃总量 (TPH) TPH - Sand 1 Certified reference material, pkg of 100 g (Sigma-Aldrich) Certified values Lot 014092 Total Petroleum Hydrocarbon 2020 mg/kg C10 to C12 Aliphatics 70.9 mg/kg C12 to C16 Aliphatics 314 mg/kg C16 to C21 Aliphatics 209 mg/kg C21 to C35 Aliphatics 460 mg/kg C10 to C12 Aromatics 17.1 mg/kg C12 to C16 Aromatics 112 mg/kg C16 to C21 Aromatics 96.2 mg/kg C21 to C35 Aromatics 39.4 mg/kg	100 g
CRM373-100G	粘土土壤 - 带状石油烃总量 (TPH Banded) Clay Soil - TPH Banded Certified reference material, pkg of 100 g (Sigma-Aldrich) The soil is to be extracted and analyzed using an appropriate extraction and analytical method for TPH, assuming a high concentration sample. The values given are based on GC-FID/PID and column separation methods for aliphatics and aromatics. Certified values Lot 014476 C10 to C12 Aliphatics 93.6 ± 10.5 mg/kg C12 to C16 Aliphatics 302 ± 23.2 mg/kg C16 to C21 Aliphatics 205 ± 10.3 mg/kg C21 to C35 Aliphatics 539 ± 30.9 mg/kg C10 to C12 Aromatics 36.8 ± 8.15 mg/kg C12 to C16 Aromatics 151 ± 24.0 mg/kg C16 to C21 Aromatics 86.8 ± 11.1 mg/kg C21 to C35 Aromatics 26.7 ± 6.50 mg/kg Total Petroleum Hydrocarbons C6-C35.....1050 ± 101 mg/kg	100 g
CRM402-225G	砂质壤土 1 - TCLP半挥发物 TCLP Semi-Volatiles - Sandy Loam 1 Certified reference material, pkg of 225 g (Sigma-Aldrich) The reference values were determined by USEPA SW846 (3rd edition) Extraction Method 1311 and Analytical Methods 8081, 8150, and 8270. The sample is suitable for these and other similar methods. Certified values CD402 Nitrobenzene 12.2 mg/L 2,4-Dinitrotoluene (2,4-DNT) 0.619 mg/L BHC (Lindane) 1.28 mg/L 2,4-D 67.1 mg/L	225 g
CRM497-100G	砂质粘土 - pH pH - Sandy Clay Lot 014662 pH 5.83 ± 0.0471	100 g
CRM498-100G	粘土 - pH / 电导率 pH/Conductivity - Clay Soil Certified reference material, pkg of 100 g (Sigma-Aldrich) The soil is to be extracted and analyzed using an appropriate extraction and analytical method to determine pH corrosivity, such as USEPA Method SW-846 9040B or 9045C. Lot 015914 Specific conductance conductivity (25 °C) 2100 ± 389 µmhos/cm pH 9.20 ± 0.0754	100 g
CRM499-100G	壤质砂土 - pH pH - Loamy Sand The soil is to be extracted and analyzed using an appropriate extraction and analytical method to determine pH corrosivity such as USEPA Method SW-846 9040B or 9045C. Lot 015063 pH 9.18 ± 0.0577	100 g
CRM501-30G	壤质粘土 2 - 苯系物 (BTEX) / GRO BTEX/GRO - Loamy Clay 2 Certified reference material, pkg of 30 g (Sigma-Aldrich) The sample was certified by USEPA Method 8015B, and is suitable for use by this and other similar methods. Certified values Lot 010589 Benzene 10.5 mg/kg Ethylbenzene 9.63 mg/kg Toluene 42.6 mg/kg m+p-Xylene 34.2 mg/kg o-Xylene 12.6 mg/kg Xylene, total 46.3 mg/kg Gasoline range organics (C6-C12) 480 mg/kg	30 g

订货号	产品信息	包装
CRM502-30G	粘土 1 - 苯系物 (BTEX) / GRO BTEX/GRO - Clay 1 The sample was certified by USEPA Method 8015B, and is suitable for use by this and other similar methods. Certified values Lot 013606 Benzene 8.79mg/kg Ethylbenzene 5.77mg/kg Toluene 27.4mg/kg m+p-Xylene 23.4mg/kg o-Xylene 8.66mg/kg Xylene, total 33.0mg/kg Gasoline range organics (C5-C10) 357mg/kg	30 g
CRM504-30G	粉质粘土 1 - 苯系物 (BTEX) /GRO BTEX/GRO - Silty Clay 1 The certified values were determined by USEPA SW846 (3rd edition) Method 8015B. Certified values Lot 016116 GRO (Gasoline Range Organics) 886 mg/kg Benzene 22.5 mg/kg Ethylbenzene 16.5 mg/kg Toluene 76.9 mg/kg m+p-Xylene 70.7 mg/kg o-Xylene 26.1 mg/kg Total Xylene 92.9 mg/kg Naphthalene..... 3.94 mg/kg GRO (C5-C10) 685 mg/kg	30 g
CRM513-30G	砂质壤土 2 - 苯系物 (BTEX) /GRO BTEX/GRO - Sandy Loam 2 Certified values Lot 011783 Benzene 5.11 mg/kg Ethylbenzene 3.86 mg/kg Toluene 18.6 mg/kg m+p-Xylene 14.5 mg/kg o-Xylene 5.70 mg/kg Xylene, total 18.7 mg/kg Gasoline range organic (GRO)..... 242 mg/kg C5-C10	30 g
CRM550-100G	土1 - 柴油 Diesel - Soil 1 This soil is typical of that found in the backfill surrounding a leaking underground diesel storage tank (LUST). The soil was certified by USEPA SW846 (3rd edition) Method 8015B.. Certified value Lot 015644 Diesel Range Organics..... 963mg/kg	100 g
CRM558-100G	粘土壤土 1 - 柴油 Diesel - Clay Loam 1 The sample was certified by USEPA Method 8015B, and is suitable for use by this and other similar methods. Certified values EPH 591 mg/kg Diesel range organics (DRO) 544 mg/kg	100 g
CRM560-100G	土 4 - 柴油 Diesel - Soil 4 Certified Diesel Range Organics (DRO) 485 mg/Kg	100 g
CRM608-25G	砂质壤土 1 - 挥发性有机物 (VOCs) Sandy loam 1 - Volatile organic compounds (VOCs) Certified values Lot 016530 Acetone 8620 µg/kg Benzene 7750 µg/kg Bromobenzene 7660 µg/kg Bromodichloromethane 2490 µg/kg Bromoform 8840 µg/kg 2-Butanone (Methyl ethyl ketone, MEK).....20900 µg/kg Carbon tetrachloride 3050 µg/kg Chlorobenzene 5730 µg/kg Chloroform 5790 µg/kg 1,2-Dibromo-3-chloropropane 5200 µg/kg Hexachloroethane 2030 µg/kg 2-Hexanone 16800 µg/kg Isopropylbenzene 5800 µg/kg Methyl bromide (Bromomethane) 5010 µg/kg Methyl chloride (Chloromethane) 2480 µg/kg Methylene chloride 6220 µg/kg 4-Methyl-2-pentanone (MIBK) 5690 µg/kg Methyl tert-butyl ether (MTBE) 3340 µg/kg Naphthalene 4830 µg/kg Styrene.....4780 µg/kg	25 g

订货号	产品信息	包装
	1,2-Dibromoethane (Ethylenesibromide)7190 µg/kg Dibromomethane 8620 µg/kg 1,2-Dichlorobenzene 2460 µg/kg 1,3-Dichlorobenzene 7150 µg/kg 1,4-Dichlorobenzene 5850 µg/kg 1,1-Dichloroethane 2270 µg/kg 1,2-Dichloroethane 8210 µg/kg 1,1-Dichloroethylene 9860 µg/kg cis-1,2-Dichloroethylene 7810 µg/kg 1,2-Dichloropropane 8690 µg/kg cis-1,2-Dichloropropene 7960 µg/kg trans-1,3-Dichloropropene 4300 µg/kg trans-1,2-Dichloroethylene 9050 µg/kg Ethylbenzene 7770 µg/kg	1,1,2,2-Tetrachloroethane 4060 µg/kg Tetrachloroethylene 4460 µg/kg Toluene8180 µg/kg 1,2,4-Trichlorobenzene 6160 µg/kg 1,1,1-Trichloroethane 5830 µg/kg 1,1,2-Trichloroethane 2050 µg/kg Trichlorofluoromethane5140 µg/kg 1,2,3-Trichloropropane 2820µg/kg 1,2,4-Trimethylbenzene 4670 µg/kg 1,3,5-Trimethylbenzene 6140 µg/kg Vinyl chloride 1560 µg/kg m+p-Xylene..... 9940 µg/kg o-Xylene8350 µg/kg Xylene, total18200 µg/kg
CRM636-25G	壤质砂土 5 - 挥发性有机物 (VOCs) VOCs - Loamy Sand 5 Certified values Lot 016530 Acrolein 1080 µg/kg Acetone 27900 µg/kg Benzene 5110 µg/kg Bromobenzene 3810 µg/kg Bromodichloromethane 3500 µg/kg 2-Butanone (Methyl ethyl ketone, MEK).....15800 µg/kg Carbon tetrachloride 3110 µg/kg Chlorobenzene 4740 µg/kg Chloroethane 4010 µg/kg 2-Chloroethyl vinyl ether..... 923 µg/kg Chloroform 8260 µg/kg 1,2-Dibromo-3-chloropropane 5280 µg/kg Dibromochloromethane 8680 µg/kg Dibromomethane 7950 µg/kg 1,2-Dichlorobenzene 5330 µg/kg 1,3-Dichlorobenzene 6440 µg/kg 1,4-Dichlorobenzene 5680 µg/kg 1,1-Dichloroethane 5770 µg/kg 1,2-Dichloroethane 8540 µg/kg 1,1-Dichloroethylene 5310 µg/kg cis-1,2-Dichloroethylene 9050 µg/kg 1,2-Dichloropropane 7800 µg/kg trans-1,3-Dichloropropene 6690 µg/kg trans-1,2-Dichloroethylene 6720 µg/kg	Ethylbenzene 6150 µg/kg 2-Hexanone 11700 µg/kg Isopropylbenzene5440 µg/kg Methyl bromide 1980 µg/kg Methyl chloride3620 µg/kg 4-Methyl-2-pentanone (MIBK) 10700 µg/kg Methyl tert-butyl ether (MTBE) 6600 µg/kg Naphthalene 6780 µg/kg Styrene.....7070 µg/kg 1,1,1,2-Tetrachloroethane 5580 µg/kg 1,1,2,2-Tetrachloroethane 7070 µg/kg Tetrachloroethylene 8430 µg/kg Toluene4840 µg/kg 1,2,4-Trimethylbenzene 8400 µg/kg 1,1,2-Trichloroethane 2260 µg/kg Trichloroethene7630 µg/kg Trichlorofluoromethane8280 µg/kg 1,2,3-Trichloropropane 8550µg/kg 1,2,4-Trimethylbenzene 7650 µg/kg 1,3,5-Trimethylbenzene 12000 µg/kg Vinyl chloride 5360 µg/kg m+p-Xylene..... 8920 µg/kg o-Xylene2680 µg/kg Xylene11300 µg/kg
CRM638-25G	粘土 4 - 挥发性有机物 (VOCs) VOCs - Clay 4 Certified values Lot 015215 Acetone 27900 µg/kg Benzene 5390 µg/kg Bromobenzene 3660 µg/kg Bromodichloromethane 3870 µg/kg 2-Butanone (Methyl ethyl ketone, MEK).....11100 µg/kg Carbon tetrachloride 6910 µg/kg Chlorobenzene 9080 µg/kg Chloroethane 4060 µg/kg Chloroform 5800 µg/kg 1,2-Dibromo-3-chloropropane 5730 µg/kg Dibromochloromethane 3320 µg/kg 1,2-Dibromomethane 6300 µg/kg Dibromomethane 6240 µg/kg 1,2-Dichlorobenzene 9130 µg/kg 1,3-Dichlorobenzene 3600 µg/kg 1,4-Dichlorobenzene 3320 µg/kg	2-Hexanone 15800 µg/kg Isopropylbenzene8520 µg/kg Methyl bromide 5020 µg/kg Methyl chloride 1970 µg/kg 4-Methyl-2-pentanone (MIBK) 10600 µg/kg Methyl tert-butyl ether (MTBE) 3060 µg/kg Naphthalene..... 6250 µg/kg Styrene 5650 µg/kg 1,1,1,2-Tetrachloroethane 5280 µg/kg Tetrachloroethylene 7200 µg/kg Toluene8060 µg/kg 1,2,4-Trichlorobenzene 2960 µg/kg 1,1,1-Trichloroethane..... 9380 µg/kg 1,1,2-Trichloroethane..... 2940 µg/kg Trichloroethene7470µg/kg Trichlorofluoromethane8400 µg/kg

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	1,2-Dichloroethane 7970 µg/kg 1,1-Dichloroethylene..... 5780 µg/kg cis-1,2-Dichloroethylene 5050 µg/kg 1,2-Dichloropropane 6900 µg/kg cis-1,3-Dichloropropene 6640 µg/kg trans-1,2-Dichloroethylene 9380 µg/kg Ethylbenzene 6480 µg/kg 1,2,3-Trichloropropane 3490 µg/kg 1,2,4-Trimethylbenzene 11400 µg/kg 1,3,5-Trimethylbenzene 18800 µg/kg Vinyl chloride..... 8370 µg/kg m+p-Xylene 11500 µg/kg o-Xylene 2790 µg/kg Xylene 14500 µg/kg	
CRM700-50G	砂质壤土 1 - 阴离子 Anions - Sandy Loam 1 Lot 019372 Bromide98.2 ± 4.39 mg/Kg Chloride761 ± 37.7 mg/Kg Fluoride244 ± 15.3 mg/Kg Nitrate as N71.5 ± 2.75 mg/Kg Nitrate+nitrite as N75.1 ± 3.29 mg/Kg Orthophosphate as P.....128 ± 3.37 mg/Kg Sulfate163 ± 5.85 mg/Kg	50 g
CRM701-50G	粘土 1 - 阴离子 Anions - Clay 1 Lot 014084 Bromide 137 ± 3.99 mg/Kg Chloride 348 ± 16.4 mg/Kg Fluoride 245 ± 26.2 mg/Kg Nitrate as N 51.8 ± 1.91 mg/Kg Nitrate+nitrite as N 51.8 ± 2.64 mg/Kg Orthophosphate as P..... 73.5 ± 8.79 mg/Kg Sulfate374 ± 12.0 mg/Kg	50 g
CRM702-50G	壤质砂土 1 - 阴离子 Anions - Loamy Sand 1 Lot 015911 Bromide 154 ± 3.32 mg/Kg Chloride 85.1 ± 12.4 mg/Kg Fluoride 51.7 ± 18.4 mg/Kg Nitrate as N 198 ± 8.25 mg/Kg Nitrate+nitrite as N 196 ± 9.89 mg/Kg Orthophosphate as P..... 46.5 ± 20.4 mg/Kg Sulfate 2080 ± 113 mg/Kg	50 g
CRM751-30G	粘土 - 氰化物 Cyanide - Clay Cyanide Concentration 61.4 mg/kg (values may vary by lot)	30 g
CRM752-30G	砂质壤土 - 氰化物 Cyanide - Sandy Loam Cyanide Concentration 83.7 mg/kg (Values may vary by lot)	30 g
CRM776-30G	粘土 - 硫化物 Sulfide - Clay Lot 016510 Sulfide 91.7 ± 30.6 mg/Kg	30 g
CRM777-30G	壤质砂土 - 硫化物 Sulfide - Sandy Loam Lot 017082 Sulfide 167 ± 16.3 mg/Kg	30 g
CRM803-50G	砂质壤土 1 - 除草剂 Herbicides - Sandy Loam 1 Soil contaminated with herbicide compounds from an agricultural region in the Western region of the United States. The sample was certified by USEPA SW846, 3rd edition Methods 8151 (herbicides by GC). The sample is suitable for these and other similar methods. Certified values Lot GF803 2,4-D 44600 µg/kg 2,4,5-T 25746 µg/kg 2,4,5-TP 41334 µg/kg	50 g

订货号	产品信息	包装
CRM804-50G	砂质壤土 1 - 农药 Pesticides - Sandy Loam 1 Soil contaminated with pesticide compounds from an agricultural region in the Western region of the United States. The sample was certified by USEPA SW846, 3rd edition Methods 3540A/3541 (Soxhlet extraction), 3550 (Sonication), and 8081 (Pesticides by GC). The sample is suitable for these and other similar methods. Certified values Lot DG804 Aldrin..... 18 µg/kg 4,4'-DDT 1060 µg/kg EndosulfanII 1128 µg/kg 4,4'-DDD 1531 µg/kg Dieldrin 1863 µg/kg Endrin 62.2 µg/kg 4,4'-DDE 1520 µg/kg Endosulfan I 1464 µg/kg Lindane 491 µg/kg	50 g
CRM805-50G	砂质壤土 2 - 农药 Pesticides - Sandy Loam 2 Soil contaminated with pesticide compounds from an agricultural region in the Western region of the United States. The sample was certified by USEPA SW846, 3rd edition Methods 3540A/3541 (Soxhlet extraction), 3550 (Sonication), and 8081 (Pesticides by GC). The sample is suitable for use by these and other similar methods. Certified values Lot FH805 DDD19500 µg/kg Endosulfan I 6900 µg/kg Endrine aldehyde 95.5 µg/kg DDE18613 µg/kg Endosulfan II 5940 µg/kg Lindane 10618 µg/kg DDT786 µg/kg Endrin 12967 µg/kg Methoxychlor 15800 µg/kg	50 g
CRM806-100G	壤质砂土 1 - 氯丹 Chlordane - Loamy Sand 1 The certified value was determined by USEPA SW846 (3rd edition) Extraction Methods 3540B/3541 (soxhlet), 3550A (sonication) and Analysis Method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified value Lot FH806 Chlordane 7.19 mg/kg	100 g
CRM808-50G	壤土 1 - 除草剂 Herbicides - Loam 1 Soil fortified with herbicides to meet the requirements of NELAC Fields of Testing. The sample was certified by USEPA SW846 (3rd edition) method 8151 (herbicides by GC). The sample is suitable for these and other similar methods. Certified values Lot AC808 2,4-D..... 314 µg/kg Dicamba 307 µg/kg 2,4,5-TP 302 µg/kg 2,4-DB252 µg/kg 2,4,5-T acid 222 µg/kg Indicative value for Pentachlorophenol	50 g
CRM810-50G	壤质砂土 1 - 除草剂 Herbicides - Loamy Sand 1 Soil fortified with herbicides to meet the requirements of NELAC Fields of Testing. The sample was certified by USEPA SW846 (3rd edition) method 8151A (herbicides by GC). The sample is suitable for these and other similar methods. Certified values Lot BC810 2,4,5-T 171 µg/kg 2,4-D 311 µg/kg Dicamba 369 µg/kg 2,4,5-TP (Silvex)249 µg/kg Dalapon 156 µg/kg	50 g
CRM812-50G	砂质壤土 1 - 氯丹 Chlordane - Sandy Loam 1 The certified value was determined by USEPA SW846 (3rd edition) Extraction Methods 3540B/3541 (soxhlet), 3550A (sonication) and Analysis Method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified value Lot AL812 Chlordane 205 µg/kg	50 g
CRM813-50G	砂质壤土 1 - 毒杀芬 Toxaphene - Sandy Loam 1 The certified value was determined by USEPA SW846 (3rd edition) Extraction Methods 3540B/3541 (soxhlet), 3550A (sonication) and Analysis Method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified value Lot BC813 Toxaphene 254 µg/kg	50 g

订货号	产品信息	包装
CRM814-50G	砂质壤土 3 - 农药 Pesticides - Sandy Loam 3 The sample was certified by USEPA SW846 (3rd edition) method 8081A (Pesticides by GC). The sample is suitable for these and other similar methods. Certified values Lot 014692 Aldrin80.1 µg/kg Endrin ketone 125 µg/kg 4,4'-DDD 189 µg/kg Heptachlor 99.4 µg/kg 4,4'-DDE 410 µg/kg Hexachlorobenzene255 µg/kg 4,4'-DDT 322 µg/kg alpha-HCH 258 µg/kg Dieldrin182 µg/kg beta-HCH 140 µg/kg Endosulfan I 425 µg/kg gamma-HCH (Lindane)..... 276 µg/kg Endosulfan II 58.3 µg/kg alpha- Chlordane 92.5 µg/kg Endosulfan sulfate 62.0 µg/kg gamma – Chlordane63.9 µg/kg Endrin 393 µg/kg Methoxychlor..... 327 µg/kg Endrin aldehyde 149 µg/kg Propachlor98.0 µg/kg	50 g
CRM817-50G	壤土 2 - 除草剂 Herbicides - Loam 2 Soil fortified with herbicides to meet the requirements of NELAC Fields of Testing. The sample was certified by USEPA SW846 (3rd edition) method 8151A (herbicides by GC). The sample is suitable for these and other similar methods. Certified values Lot BE817 Dalapon112 µg/kg Dicamba 247µg/kg 2,4,5-T acid 84.5 µg/kg 2,4-D acid250 µg/kg MCPP4800 µg/kg 2,4,5-TP 188 µg/kg 2,4-DB188 µg/kg Pentachlorophenol 267µg/kg	50 g
CRM818-50G	壤土 1 - 农药 Pesticides - Loam 1 Soil fortified with pesticide compounds to meet the requirements of NELAC Fields of Testing. The sample was certified by USEPA SW846 (3rd edition) method 8081A (Pesticides by GC). The sample is suitable for these and other similar methods. Certified values Aldrin 182 µg/kg Endosulfan Sulfate 345 µg/kg 4,4'-DDD 553 µg/kg Endrin 340 µg/kg 4,4'-DDE 417 µg/kg Heptachlor 194 µg/kg 4,4'-DDT 446 µg/kg alpha-HCH 394 µg/kg Dieldrin 344 µg/kg beta-HCH 333 µg/kg Endosulfan I 318 µg/kg gamma-HCH (Lindane)..... 416 µg/kg Endosulfan II 357 µg/kg Methoxychlor..... 280 µg/kg	50 g
CRM821-50G	砂质壤土 1 - 有机磷农药 OP Pesticides - Sandy Loam 1 Certified values Lot 014702 Azinphos-methyl (Guthion) 0.792 mg/kg Malathion 0.277 mg/kg Chlorfenvinphos 0.186 mg/kg Parathion, methyl 0.629 mg/kg Chlorpyrifos..... 0.150 mg/kg Parathion, ethyl 0.432 mg/kg Diazinon 0.509 mg/kg Phorate 0.0903 mg/kg EPN 0.508 mg/kg Ronnel 0.250 mg/kg Ethoprop 0.328 mg/kg Sulfotepp 0.026 mg/kg Famphur 0.526 mg/kg Tetrachlorvinphos 0.642 mg/kg Fenthion 0.311 mg/kg Disulfoton 0.117 mg/kg	50 g
CRM823-50G	土 2 (请根据需要选择) - 除草剂 Herbicides - Soil 2 (Please ask for details) Soil fortified with pesticide compounds to meet the requirements of NELAC Fields of Testing RCRA Solid. Analytical data for Certification was obtained using USEPA SW846, 3rd edition extraction methods 3540B/3541 (soxhlet) and 3550A (sonication). Analysis was carried out according to USEPA method 8270 (Semi-volatile Organics by GC/MS). The standards are intended for use in analytical systems using these and related methods. Certified values 2,4-D 412 µg/kg Dinoseb 474 µg/kg 2,4-D8 879 µg/kg Pentachlorophenol 129 µg/kg Dalapon 189 µg/kg Silvex (2,4,5-TP) 382 µg/kg Disulfoton 114 µg/kg 2,4,5-T 538 µg/kg	50 g

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	Pesticides - Sandy Loam 4 Soil fortified with pesticide compounds to meet the requirements of NELAC Fields of Testing. The sample was certified by USEPA SW846 (3rd edition) method 8081A (Pesticides by GC). The sample is suitable for these and other similar methods. Certified values Lot BL824 <table><tr><td>4,4'-DDD</td><td>367 µg/kg</td><td>Endrin aldehyde</td><td>398 µg/kg</td></tr><tr><td>4,4'-DDE</td><td>396 µg/kg</td><td>Heptachlor</td><td>338 µg/kg</td></tr><tr><td>4,4'-DDT</td><td>363 µg/kg</td><td>Heptachlor epoxide (beta)</td><td>317 µg/kg</td></tr><tr><td>Endosulfan I</td><td>361 µg/kg</td><td>alpha-HCH</td><td>361 µg/kg</td></tr><tr><td>Endosulfan II</td><td>340 µg/kg</td><td>beta-HCH</td><td>382 µg/kg</td></tr><tr><td>Endosulfan sulfate</td><td>327 µg/kg</td><td>gamma-HCH (Lindane).....</td><td>371 µg/kg</td></tr><tr><td>Endrin</td><td>358 µg/kg</td><td>Methoxychlor.....</td><td>365 µg/kg</td></tr></table> Indicative value for Endrin ketone	4,4'-DDD	367 µg/kg	Endrin aldehyde	398 µg/kg	4,4'-DDE	396 µg/kg	Heptachlor	338 µg/kg	4,4'-DDT	363 µg/kg	Heptachlor epoxide (beta)	317 µg/kg	Endosulfan I	361 µg/kg	alpha-HCH	361 µg/kg	Endosulfan II	340 µg/kg	beta-HCH	382 µg/kg	Endosulfan sulfate	327 µg/kg	gamma-HCH (Lindane).....	371 µg/kg	Endrin	358 µg/kg	Methoxychlor.....	365 µg/kg	
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Endosulfan sulfate	327 µg/kg	gamma-HCH (Lindane).....	371 µg/kg																											
Endrin	358 µg/kg	Methoxychlor.....	365 µg/kg																											
CRM825-50G	壤质砂土 2 - 氯丹 Chlordane - Sandy Loam 2 The certified value was determined by USEPA SW846 (3rd edition) Extraction Methods 3540B/3541 (soxhlet), 3550A (sonication) and Analysis Method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified value Lot BL825 Chlordane 392 µg/kg	50 g																												
CRM826-50G	土 2 - 毒杀芬 Toxaphene - Soil 2 The Certified value was determined by USEPA SW846 (3rd edition) Extraction Methods 3540B/3541 (soxhlet), 3550A (sonication) and Analysis Method 8081 (pesticides by GC). The sample is suitable for these and other similar methods. Certified value Lot BL826 Toxaphene 257 µg/kg	50 g																												
CRM828-50G	砂质壤土 2 - 有机磷农药 OP Pesticides - Sandy Loam 2 Fortified to meet the requirements of NELAC Fields of Testing, RCRA Solid. The Reference Values were determined by USEPA SW846 (3rd edition) method 8081A. Certified values Lot 001682 <table><tr><td>Aldrin.....</td><td>126 µg/Kg</td><td>Endosulfan sulfate</td><td>319 µg/Kg</td></tr><tr><td>4,4'-DDD</td><td>397 µg/Kg</td><td>Endrin.....</td><td>336 µg/Kg</td></tr><tr><td>4,4'-DDE</td><td>293 µg/Kg</td><td>alpha-HCH</td><td>338 µg/Kg</td></tr><tr><td>4,4'-DDT</td><td>302 µg/Kg</td><td>beta-HCH</td><td>272 µg/Kg</td></tr><tr><td>Dieldrin</td><td>225 µg/Kg</td><td>gamma-HCH (Lindane)</td><td>384 µg/Kg</td></tr><tr><td>Endosulfan I</td><td>170 µg/Kg</td><td>Heptachlor</td><td>136 µg/Kg</td></tr><tr><td>Endosulfan II.....</td><td>223 µg/Kg</td><td>Methoxychlor</td><td>279 µg/Kg</td></tr></table>	Aldrin.....	126 µg/Kg	Endosulfan sulfate	319 µg/Kg	4,4'-DDD	397 µg/Kg	Endrin.....	336 µg/Kg	4,4'-DDE	293 µg/Kg	alpha-HCH	338 µg/Kg	4,4'-DDT	302 µg/Kg	beta-HCH	272 µg/Kg	Dieldrin	225 µg/Kg	gamma-HCH (Lindane)	384 µg/Kg	Endosulfan I	170 µg/Kg	Heptachlor	136 µg/Kg	Endosulfan II.....	223 µg/Kg	Methoxychlor	279 µg/Kg	50 g
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Endosulfan II.....	223 µg/Kg	Methoxychlor	279 µg/Kg																											
CRM829-50G	粉砂壤土 1 - 毒杀芬 Toxaphene - Silt Loam 1 Certified value Lot 01678 Toxaphene 221 µg/kg	50 g																												
CRM831-50G	粉砂壤土 1 - 除草剂 Herbicides - Silt Loam 1 Fortified to meet the requirements of NELAC Fields of Testing, RCRA Solid. The Reference Values were determined by USEPA SW846 (3rd edition) Analysis Method 8151. (herbicides by GC). Certified values Lot 001679 <table><tr><td>Pentachlorophenol</td><td>161 µg/kg</td><td>2,4-DB</td><td>361 µg/kg</td><td>2,4,5-T</td><td>172 µg/kg</td></tr><tr><td>2,4-D</td><td>415 µg/kg</td><td>Dicamba</td><td>374 µg/kg</td><td></td><td></td></tr><tr><td>Dalapon</td><td>158 µg/kg</td><td>Silvex (2,4,5-TP)</td><td>297 µg/kg</td><td></td><td></td></tr></table>	Pentachlorophenol	161 µg/kg	2,4-DB	361 µg/kg	2,4,5-T	172 µg/kg	2,4-D	415 µg/kg	Dicamba	374 µg/kg			Dalapon	158 µg/kg	Silvex (2,4,5-TP)	297 µg/kg			50 g										
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Dalapon	158 µg/kg	Silvex (2,4,5-TP)	297 µg/kg																											

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CRM837-50G	粉砂壤土 1 - 有机磷农药 OP Pesticides - Silt Loam 1 The reference values were determined by USEPA SW846 (3rd edition) Analysis Method 8141A. Certified values Lot 015621 <table><tr><td>Azinphos-methyl (Guthion)</td><td>299 µg/kg</td><td>Malathion</td><td>706 µg/kg</td></tr><tr><td>Chlorpyrifos</td><td>292 µg/kg</td><td>Methyl parathion (Parathion, methyl)</td><td>227 µg/kg</td></tr><tr><td>Diazinon</td><td>624 µg/kg</td><td>Parathion, ethyl</td><td>782 µg/kg</td></tr><tr><td>EPN</td><td>553 µg/kg</td><td>Ronnel.....</td><td>180 µg/kg</td></tr><tr><td>Ethoprop</td><td>300 µg/kg</td><td>Tetrachlorvinphos</td><td>254 µg/kg</td></tr></table>	Azinphos-methyl (Guthion)	299 µg/kg	Malathion	706 µg/kg	Chlorpyrifos	292 µg/kg	Methyl parathion (Parathion, methyl)	227 µg/kg	Diazinon	624 µg/kg	Parathion, ethyl	782 µg/kg	EPN	553 µg/kg	Ronnel.....	180 µg/kg	Ethoprop	300 µg/kg	Tetrachlorvinphos	254 µg/kg	50 g																								
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CRM846-50G	壤质砂土 1 - 农药 Pesticides - Loamy Sand 1 The reference values were determined by USEPA SW846 (3rd edition) method 8081A. The sample is suitable for this and other similar methods. Certified values Lot 015141 <table><tr><td>Aldrin.....</td><td>63.8 µg/kg</td><td>Endrin ketone</td><td>82.7 µg/kg</td></tr><tr><td>alpha-Chlordane</td><td>98.3 µg/kg</td><td>Endrin.....</td><td>222 µg/kg</td></tr><tr><td>gamma-Chlordane.....</td><td>376 µg/kg</td><td>delta-HCH</td><td>100 µg/kg</td></tr><tr><td>4,4'-DDD</td><td>259 µg/kg</td><td>alpha-HCH</td><td>256 µg/kg</td></tr><tr><td>4,4'-DDE</td><td>243 µg/kg</td><td>beta-HCH</td><td>327 µg/kg</td></tr><tr><td>4,4'-DDT</td><td>190 µg/kg</td><td>gamma-HCH (Lindane)</td><td>147 µg/kg</td></tr><tr><td>Dieldrin</td><td>290 µg/kg</td><td>Heptachlor</td><td>70.8 µg/kg</td></tr><tr><td>Endosulfan I</td><td>187 µg/kg</td><td>Heptachlor epoxide</td><td>238 µg/kg</td></tr><tr><td>Endosulfan II.....</td><td>119 µg/kg</td><td>Methoxychlor</td><td>238 µg/kg</td></tr><tr><td>Endosulfan sulfate</td><td>160 µg/kg</td><td>Propachlor</td><td>287 µg/kg</td></tr><tr><td>Endrin aldehyde</td><td>116 µg/kg</td><td>Trifluralin</td><td>282 µg/kg</td></tr></table>	Aldrin.....	63.8 µg/kg	Endrin ketone	82.7 µg/kg	alpha-Chlordane	98.3 µg/kg	Endrin.....	222 µg/kg	gamma-Chlordane.....	376 µg/kg	delta-HCH	100 µg/kg	4,4'-DDD	259 µg/kg	alpha-HCH	256 µg/kg	4,4'-DDE	243 µg/kg	beta-HCH	327 µg/kg	4,4'-DDT	190 µg/kg	gamma-HCH (Lindane)	147 µg/kg	Dieldrin	290 µg/kg	Heptachlor	70.8 µg/kg	Endosulfan I	187 µg/kg	Heptachlor epoxide	238 µg/kg	Endosulfan II.....	119 µg/kg	Methoxychlor	238 µg/kg	Endosulfan sulfate	160 µg/kg	Propachlor	287 µg/kg	Endrin aldehyde	116 µg/kg	Trifluralin	282 µg/kg	50 g
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CRM847-50G	粘土壤土 1 - 农药 Pesticides - Clay Loam 1 The certified values were determined by USEPA SW846 (3rd edition) method 8081A. The sample is suitable for this and other similar methods. Certified values Lot 002405 <table><tr><td>4,4'-DDD</td><td>228 µg/kg</td><td>Endrin aldehyde</td><td>49.3 µg/kg</td></tr><tr><td>4,4'-DDE</td><td>218 µg/kg</td><td>alpha-HCH</td><td>225 µg/kg</td></tr><tr><td>4,4'-DDT</td><td>172 µg/kg</td><td>beta-HCH</td><td>92.4 µg/kg</td></tr><tr><td>Aldrin</td><td>115 µg/kg</td><td>delta-HCH</td><td>67.6 µg/kg</td></tr><tr><td>Dieldrin</td><td>125 µg/kg</td><td>gamma-HCH (Lindane).....</td><td>340 µg/kg</td></tr><tr><td>Endosulfan I</td><td>160 µg/kg</td><td>Heptachlor</td><td>109 µg/kg</td></tr><tr><td>Endosulfan II</td><td>233 µg/kg</td><td>Heptachlor epoxide (beta)</td><td>98.7 µg/kg</td></tr><tr><td>Endosulfan sulfate</td><td>270 µg/kg</td><td>Methoxychlor.....</td><td>172 µg/kg</td></tr><tr><td>Endrin</td><td>377 µg/kg</td><td></td><td></td></tr></table>	4,4'-DDD	228 µg/kg	Endrin aldehyde	49.3 µg/kg	4,4'-DDE	218 µg/kg	alpha-HCH	225 µg/kg	4,4'-DDT	172 µg/kg	beta-HCH	92.4 µg/kg	Aldrin	115 µg/kg	delta-HCH	67.6 µg/kg	Dieldrin	125 µg/kg	gamma-HCH (Lindane).....	340 µg/kg	Endosulfan I	160 µg/kg	Heptachlor	109 µg/kg	Endosulfan II	233 µg/kg	Heptachlor epoxide (beta)	98.7 µg/kg	Endosulfan sulfate	270 µg/kg	Methoxychlor.....	172 µg/kg	Endrin	377 µg/kg			50 g								
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CRM853-50G	粘土 1 - 毒杀芬 Toxaphene - Clay 1 Certified value Lot 010770 Toxaphene 306 µg/kg	50 g																																												
CRM860-50G	壤质砂土 2 - 农药 Pesticides - Loamy Sand 2 Certified values Lot 010760 <table><tr><td>Hexachlorobenzene.....</td><td>83.3 µg/kg</td><td></td><td></td></tr><tr><td>delta-BHC</td><td>65.7 µg/kg</td><td></td><td></td></tr><tr><td>alpha-BHC (alpha-Hexachlorocyclohexane) ..</td><td>115 µg/kg</td><td></td><td></td></tr><tr><td>beta-BHC (beta-Hexachlorocyclohexane)</td><td>109 µg/kg</td><td></td><td></td></tr><tr><td>alpha-Chlordane</td><td>74.0 µg/kg</td><td></td><td></td></tr><tr><td>gamma-Chlordane</td><td>101 µg/kg</td><td></td><td></td></tr><tr><td>4,4'-DDD</td><td>116 µg/kg</td><td></td><td></td></tr><tr><td>4,4'-DDE</td><td>70.8 µg/kg</td><td></td><td></td></tr><tr><td>4,4'-DDT</td><td>49.4 µg/kg</td><td></td><td></td></tr></table>	Hexachlorobenzene.....	83.3 µg/kg			delta-BHC	65.7 µg/kg			alpha-BHC (alpha-Hexachlorocyclohexane) ..	115 µg/kg			beta-BHC (beta-Hexachlorocyclohexane)	109 µg/kg			alpha-Chlordane	74.0 µg/kg			gamma-Chlordane	101 µg/kg			4,4'-DDD	116 µg/kg			4,4'-DDE	70.8 µg/kg			4,4'-DDT	49.4 µg/kg			50 g								
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	Dieldrin 79.7 µg/kg Endosulfan I 91.5 µg/kg Endosulfan II 111 µg/kg Endosulfan sulfate 58.6 µg/kg Endrin aldehyde 50.2 µg/kg Endrin ketone 119 µg/kg Endrin 75.3 µg/kg Heptachlor 68.1 µg/kg Heptachlor epoxide..... 106 µg/kg Methoxychlor 96.6 µg/kg	
CRM910-50G	壤土 - PCB1242 PCB 1242 -Loam Real-world waste produced from a contaminated site in the Eastern United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value D910 Aroclor 1242 39.4 mg/kg	50 g
CRM911-50G	壤土 - PCB1254 PCB 1254 - Loam Real-world waste collected from a percolation pond at an electric generating facility in the Southeastern United States. The sample was certified by USEPA SW846 (3rd edition) Methods 3540A/3545/3550 and 8082. The sample is suitable for use by these and other similar methods. Certified value BC911 Aroclor 1254 1.28 mg/kg	50 g
CRM913-50G	砂质壤土 - PCB1254 PCB 1254 - Sandy Loam Real-world waste collected from electric utility storage site Western United States.The PCB value was certified using extraction method 3540A and analysis method 8081 (PCBs by GC) and is suitable for use by these and other similar methods. Certified value Lot DG913 Aroclor 1254 5.93 mg/kg	50 g
CRM915-50G	砂质壤土 - PCB1260 PCB 1260 - Sandy Loam Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified values Lot JG915 Aroclor 1260 1.50 mg/kg	50 g
CRM916-50G	壤质砂土 - PCB1248 PCB 1248 - Loamy Sand Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Lot IH916 Aroclor 1248 10.7 mg/kg	50 g
CRM917-50G	壤质砂土 - PCB1242 PCB 1242 - Loamy Sand Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Lot II917 Aroclor 1242 5.05 mg/kg	50 g
CRM918-50G	砂质壤土 - PCB1254 PCB 1254 - Sandy Loam Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Lot JI918 Aroclor 1252 274 mg/kg	50 g
CRM919-50G	砂质壤土 - PCB1221 PCB 1221 - Sandy Loam Aroclor-1221 (PCB-1221) 22.0 ± 2.05 mg/kg	50 g

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CRM921-50G	砂质壤土 - PCB1242 PCB 1242 - Sandy Loam Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Lot AL921 Aroclor 1242 29.8 mg/kg	50 g
CRM922-50G	壤土 - PCB1016 PCB 1016 - Loam Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Aroclor 1016 8.30 mg/kg	50 g
CRM923-50G	粉质壤土 - PCB1254 PCB 1254 - Silt Loam Real-world waste collected from a site in the Western United States. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value BL923 Aroclor 1254 5.47 mg/kg	50 g
CRM924-50G	粉质壤土 - PCB1242 PCB 1242 - Silt Loam Certified value Lot P76 Aroclor 1242 8.27 mg/kg	50 g
CRM927-50G	粘土壤土 - PCB1242 PCB 1242 - Clay Loam The certified value was determined by USEPA SW846 (3rd edition) Methods 8081A and 8082. The sample is suitable for use by these and other similar methods. Certified value Lot 002392 Aroclor 1242 7.03 mg/kg	50 g
CRM961-50G	粘土 - PCB同系物 PCB Congeners - Clay Certified values Lot 013366 PCBs, total 3,100 ± 516 µg/kg 2,4,4'-Trichlorobiphenyl (PCB 28) 135 ± 19.8 µg/kg 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) 85.9 ± 18.2 µg/kg 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) 223 ± 31.5 µg/kg 3,4,4',5-Tetrachlorobiphenyl (PCB 81) 205 ± 35.8 µg/kg 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101) 106 ± 11.0 µg/kg 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) 147 ± 18.5 µg/kg 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) 173 ± 19.9 µg/kg 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) 170 ± 24.0 µg/kg 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) 183 ± 28.9 µg/kg 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) 213 ± 26.6 µg/kg 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138) 130 ± 22.8 µg/kg 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153) 137 ± 18.5 µg/kg 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) 236 ± 43.7 µg/kg 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) 124 ± 15.5 µg/kg 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180) 116 ± 11.6 µg/kg 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) 247 ± 60.2 µg/kg PCB (156)+(157) 370 ± 4.59 µg/kg	50 g
CRM962-50G	壤质砂土 - PCB同系物 PCB Congeners - Loamy Sand Certified values Lot 012222 2,4,4'-Trichlorobiphenyl (PCB 28) 180 ± 53.6 µg/kg 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) 179 ± 40.7 µg/kg 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) 221 ± 32.1 µg/kg 3,4,4',5-Tetrachlorobiphenyl (PCB 81) 165 ± 2.73 µg/kg 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101) 119 ± 39.5 µg/kg 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) 108 ± 19.6 µg/kg	50 g

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	2,3',4,4',5-Pentachlorobiphenyl (PCB 118) 154 ± 11.8 2 µg/kg 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) 187 ± 28.0 µg/kg 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) 128 ± 3.69 µg/kg 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) 124 ± 23.3 µg/kg 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138) 265 ± 84.9 µg/kg 2,2',4,4',5'-Hexachlorobiphenyl (PCB 153) 204 ± 74.9 µg/kg 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157) 241 ± 101 µg/kg 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156) 211 ± 60.3 µg/kg 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) 225 ± 35.0 µg/kg 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) 178 ± 32.9 µg/kg 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180) 287 ± 66.5 µg/kg 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) 204 ± 35.7 µg/kg PCB (156)+(157) 450 ± 29.7 µg/kg	
CRM963-50G	粉质粘土 - PCB同系物 PCB Congeners - Silty Loam Certified values (Values may vary by lot) 2,4,4'-Trichlorobiphenyl (PCB 28) 86.3 µg/kg 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) 41.2 µg/kg 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101) 77.5 µg/kg 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) 80.1 µg/kg 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138) 50.3 µg/kg 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153) 55.5 µg/kg 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180) 89.2 µg/kg	50 g
CRM981-10G	土壤中的二噁英 Dioxin in Soil Certified values Lot 013623 1,2,3,4,6,7,8-HpCDF 789 ± 50.7 pg/g 1,2,3,4,6,7,8-HpCDD 196 ± 12.4 pg/g HpCDD (total) 196 ± 11.0 pg/g HpCDF (total) 796 ± 54.3 pg/g 1,2,3,4,7,8-HxCDD 479 ± 40.5 pg/g 1,2,3,6,7,8-HxCDD 87.0 ± 11.0 pg/g 1,2,3,7,8,9-HxCDD 908 ± 55.5 pg/g HxCDD (total) 1430 ± 137 pg/g 1,2,3,4,7,8-HxCDF 228 ± 13.0 pg/g HxCDF (total) 235 ± 10.2 pg/g 1,2,3,4,6,7,8,9-OCDF 700 ± 64.3 pg/g 1,2,3,4,6,7,8,9-OCDD 305 ± 36.9 pg/g 1,2,3,7,8-PeCDD 83.9 ± 8.43 pg/g PeCDD (total) 95.4 ± 2.34 pg/g 2,3,7,8-TCDD 804 ± 57.6 pg/g 2,3,7,8-TCDF 306 ± 28.9 pg/g TCDF (total) 323 ± 30.0 pg/g TCDD (total) 804 ± 56.9 pg/g PCDD (total) 2750 ± 136 pg/g PCDD + PCDF (total) 4690 ± 275 pg/g PCDF (total) 1950 ± 183 pg/g	10 g
SQC001-50G	土壤中的金属元素 Metals in Soil Lot LRAA0982 Certified values Ag 114 ± 9.31 mg/kg Al 3540 ± 379 mg/kg As 52.3 ± 7.17 mg/kg Ba 145 ± 13.7 mg/kg Be 37.3 ± 2.09 mg/kg B 113 ± 6.73 mg/kg Cd 71.6 ± 3.05 mg/kg Co 50.6 ± 5.62 mg/kg Cr (total) 88.5 ± 7.04 mg/kg Cu 64.0 ± 2.53 mg/kg Fe 3180 ± 284 mg/kg Hg 9.70 ± 0.650 mg/kg K 1480 ± 213 mg/kg Li 926 ± 45.3 mg/kg Mg 8920 ± 464 mg/kg Mn 204 ± 14.3 mg/kg Mo 14.5 ± 1.02 mg/kg Na 651 ± 77.2 mg/kg Ni 87.1 ± 4.64 mg/kg Pb 77.8 ± 2.07 mg/kg Sb 103 ± 16.2 mg/kg Se 81.1 ± 7.07 mg/kg Si 991 ± 157 mg/kg Sn 94.8 ± 10.7 mg/kg Sr 4520 ± 326 mg/kg Ti 138 ± 18.1 mg/kg Tl 65.3 ± 6.45 mg/kg V 82.1 ± 6.44 mg/kg Zn 136 ± 4.13 mg/kg pH 8.27 ± 0.0300 units	50 g
SQC011-100G	土 - 氰化物 - QC Soil - Cyanide - QC Analyte Concentration Range: 0.0 to 100 mg/kg. Amenable Cyanide/Cyanide	100 g

订货号	产品信息	包装
SQC014-100G	土 - 肥力成分 Soil - Nutrients Lot 015915 Certified values Ammonia as N 2160 mg/kg Phosphorus, total 490 mg/kg COD 16000 mg/kg TOC 6510 mg/kg Kjeldahl nitrogen, total 3270 mg/kg	100 g
SQC016-10G	土中的二噁英和呋喃 Dioxins and Furans in Soil Analyte Concentration Range: 5 to 5000 pg/g. 1,2,3,4,6,7,8-HpCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8,9-OCDD 1,2,3,4,7,8,9-HpCDF 1,2,3,4,6,7,8,9-OCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8-PeCDF 1,2,3,7,8,9-HxCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,7,8-TCDD 1,2,3,6,7,8-HxCDF 2,3,7,8-TCDD 2,3,4,6,7,8-HxCDF	10 g
SQC022-30G	土中的硝基芳烃 / 亚硝胺 Nitroaromatics/Nitrosamines in Soil Lot 013567 Certified values Nitrobenzene 9,410 µg/kg 1,3-Dinitrobenzene (1,3-DNB) 8,110 µg/kg 2,4-Dinitrotoluene (2,4-DNT) 5,770 µg/kg 2,6-Dinitrotoluene (2,6-DNT) 7,350 µg/kg Tetryl (Methyl-2,4,6-trinitrophenylnitramine) 3,120 µg/kg 1,3,5-Trinitrobenzene (1,3,5-TNB) 3,860 µg/kg 2-Amino-4,6-dinitrotoluene (2-am-dnt) 7,520 µg/kg 4-Amino-2,6-dinitrotoluene (4-am-dnt) 2,720 µg/kg 2-Nitrotoluene 3,810 µg/kg 3-Nitrotoluene 11,400 µg/kg 4-Nitrotoluene 4,140 µg/kg Pentaerythritoltetranitrate (PETN) 1,710 µg/kg 2,4,6-Trinitrotoluene (2,4,6-TNT) 2,050 µg/kg HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine) 3,480 µg/kg	30 g
SQC023-100G	土壤的腐蚀性 / pHCorrosivity/pH in soil Analyte Concentration Range: 2 to 12 pH Units (Conductivity: 100 to 10000 µmhos/cm)	100 g
SQC026-100G	土中的石油烃总量 (TPH) TPH in Soil Analyte Concentration Range: 0 to 10,000 mg/kg	100 g
SQC026TXL-30G	土中的石油烃总量 (TPH) - Low Level Total Petroleum Hydrocarbons (TPH) in Soil - Low Level Lot 018064 C6 Aliphatics 16.9 ± 0.466 mg/kg >C6 to C8 Aliphatics 18.9 ± 0.602 mg/kg >C8 to C10 Aliphatics 7.84 ± 0.269 mg/kg >C10 to C12 Aliphatics 8.80 ± 0.302 mg/kg >C12 to C16 Aliphatics 7.91 ± 0.259 mg/kg >C16 to C21 Aliphatics 6.92 ± 0.235 mg/kg >C21 to C35 Aliphatics 32.5 ± 0.699 mg/kg >C7-C8 Aromatics 6.42 ± 0.201 mg/kg >C8 to C10 Aromatics 14.2 ± 0.436 mg/kg >C10 to C12 Aromatics 11.1 ± 0.342 mg/kg >C12 to C16 Aromatics 9.07 ± 0.279 mg/kg >C16 to C21 Aromatics 5.87 ± 0.186 mg/kg >C21 to C35 Aromatics 19.0 ± 0.599 mg/kg TPH (C6-C35) 132 ± 37.6 mg/kg Diesel-range TPH (>C12-C28) 50.8 ± 4.19 mg/kg Gasoline Range Organics (C6-C12) 62.2 ± 11.4 mg/kg	30 g

订货号	产品信息	包装
SQC068-50G	土 - PCB同系物 Soil - PCB Congeners Certified values Lot 019678 PCBs, total1,910 ± 222 µg/kg 2,4,4'-Trichlorobiphenyl (PCB 28)263 ± 39.3 µg/kg 3,3',4,4'-Tetrachlorobiphenyl (PCB 77)332 ± 59.9 µg/kg 3,4,4',5-Tetrachlorobiphenyl (PCB 81)37.1 ± 12.0 µg/kg 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101) 197 ± 53.7 µg/kg 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) 22.0 ± 2.24 µg/kg 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) 194 ± 8.50 µg/kg 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) 65.3 ± 8.06 µg/kg 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) 271 ± 18.9 µg/kg 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138) 129 ± 98.7 µg/kg 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153) 82.4 ± 1.83 µg/kg 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156) 89.2 ± 17.9 µg/kg 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) 237 ± 9.40 µg/kg 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) 65.9 ± 6.29 µg/kg 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180) 44.0 ± 3.20 µg/kg 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) 232 ± 7.50 µg/kg	50 g
SQC082-100G	土壤中的固体硬物 Solids in soil Percent Dry Weight Percent Moisture Solids, Fixed Solids, Total Solids, Volatile	100 g

环境基质标准品 - 污水污泥

订货号	产品信息	包装
BCR143R	污水淤泥改性土壤- 痕量元素 Sewage sludge amended soil - Major and trace elements Certified values Cd 71.8 mg/kg Hg 1.10 mg/kg Pb 179.7 mg/kg Co12.3 mg/kg Mn 904 mg/kg Zn 1055 mg/kg Cu130.6 mg/kg Ni 299 mg/kg Aqua regia soluble content Cd72.0 mg/kg Mn 858 mg/kg Pb 174 mg/kg Cr426 mg/kg Ni 296 mg/kg Zn 1063 mg/kg	40 g
BCR144R	污水污泥 (国产) - 微量元素 Sewage sludge (domestic origin) - Trace elements Certified values Cd1.82 mg/kg Cu 308 mg/kg Ni 47.7 mg/kg Co15.0 mg/kg Hg 3.14 mg/kg Pb 106 mg/kg Cr104.3 mg/kg Mn 207.9 mg/kg Zn 932 mg/kg Aqua Regia soluble content Certified values Cd1.84 mg/kg Cu 300 mg/kg Ni44.9 mg/kg Co13.3 mg/kg Hg 3.11 mg/kg Pb 96 mg/kg Cr90 mg/kg Mn 189 mg/kg Zn919 mg/kg	40 g
BCR145R	污水淤泥 (混合排放物) - 痕量元素 Sewage sludge (mixed origin) - Trace elements Certified values Cd3.50 mg/kg Hg 2.01 mg/kg Pb 286 mg/kg Co5.61 mg/kg Mn 156 mg/kg Zn 2122 mg/kg Cu696 mg/kg Ni 247 mg/kg Indicative value for Cr Aqua Regia soluble content Certified values Cr307 mg/kg Ni 251 mg/kg Zn2137 mg/kg Cu707 mg/kg Pb 282 mg/kg Indicative values for Cd, Co, Hg, Mn	40 g

订货号	产品信息	包装
BCR146R	污水淤泥（工业排放物）- 痕量元素 Sewage sludge (industrial origin) - Trace elements Certified values Cd 18.8 mg/kg Cu 838 mg/kg Ni 69.7 mg/kg Co 7.39 mg/kg Hg 8.62 mg/kg Pb 609 mg/kg Cr 196 mg/kg Mn 324 mg/kg Zn 3061 mg/kg Aqua regia soluble content Certified values Cd 18.5 mg/kg Cu 831 mg/kg Ni 65.0 mg/kg Co 6.5 mg/kg Hg 8.39 mg/kg Pb 583 mg/kg Cr 174 mg/kg Mn 298 mg/kg Zn 3043 mg/kg	40 g
BCR483	污水淤泥改性土壤 - 痕量元素 Sewage sludge amended soil - Extractable trace elements EDTA-extractable Certified values Cd 24.3 mg/kg Cu 215 mg/kg Pb 229 mg/kg Cr 28.6 mg/kg Ni 28.7 mg/kg Zn 612 mg/kg Acetic acid-extractable Certified values Cd 18.3 mg/kg Cu 33.5 mg/kg Pb 2.10 mg/kg Cr 18.7 mg/kg Ni 25.8 mg/kg Zn 620 mg/kg Indicative values for the calcium chloride extractable content, the sodium nitrate extractable content and the ammonium nitrate extractable content.	70 g
BCR484	污水淤泥改性（红色石灰土）土壤 - 痕量元素 Sewage sludge amended (terra rossa) soil - Extractable trace elements EDTA-extractable Certified values Cd 0.51 mg/kg Ni 1.39 mg/kg Zn 383 mg/kg Cu 88 mg/kg Pb 59.7 mg/kg Acetic acid-extractable Certified values Cd 0.48 mg/kg Ni 1.69 mg/kg Zn 193 mg/kg Cu 33.9 mg/kg Pb 1.17 mg/kg Indicative values for the calcium chloride extractable content, the sodium nitrate extractable content and the ammonium nitrate extractable content.	70 g
BCR597	污水淤泥 - Cr 铬（+18度） Sewage sludge - Chromium (+18 degrees) Certified value Cr 203 mg/kg	40 g
BCR677	污水污泥 - 二噁英（PCDD）/ 呋喃（PCDFs） Sewage sludge - PCDD/PCDFs Certified values 2,3,7,8-TCDD 1.51 pg/g 2,3,4,7,8-PeCDF 16.9 pg/g 1,2,3,7,8-PeCDD 4.1 pg/g 1,2,3,4,7,8-HxCDF 14.5 pg/g 1,2,3,6,7,8-HxCDD 235 pg/g 1,2,3,6,7,8-HxCDF 6.1 pg/g 1,2,3,7,8,9-HxCDD 79 pg/g 1,2,3,7,8,9-HCDF 0.84 pg/g 1,2,3,4,6,7,8-HpCDD 3.5 x 103 pg/g 2,3,4,6,7,8-HxCDF 5.6 pg/g OCDD 12.7 x 103 pg/g 1,2,3,4,6,7,8-HpCDF 62 pg/g 2,3,7,8-TCDF 45 pg/g 1,2,3,4,7,8,9-HpCDF 6.3 pg/g 1,2,3,7,8-PeCDF 24.8 pg/g OCDF 177 pg/g	40 g
NIST2781	生活污水 - 金属元素 Domestic sludge - Metals Certified values As 7.82 mg/kg Mo 46.7 mg/kg Se 16.0 mg/kg Cd 12.78 mg/kg N 4.78 % Zn 1273 mg/kg Cu 627.4 mg/kg Ni 80.2 mg/kg Hg 3.64 mg/kg Pb 202.1 mg/kg Indicative values for Ag, Al, Ca, Cr, Fe, K, Mg, Na, P, Si, Ti	40 g

订货号	产品信息	包装
NIST2782	工业污泥 - 浸出物和金属元素总量 Industrial sludge - Leachable and total metals Obtained from an industrial site in northern New Jersey, USA where pharmaceutical research is carried out. Certified values As166 mg/kg Hg 1.10 mg/kg Se..... 0.44 mg/kg Cd 4.17 mg/kg Mo 10.07 mg/kg Zn1254 mg/kg Cr109 mg/kg Ni 154.1 mg/kg Cu2594 mg/kg Pb 574 mg/kg Indicative values for a wide range of additional elements	70 g
CRM006-50G	油漆污泥1 - 微量金属元素 Trace Metals - Paint Sludge 1 Lot AS06 Certified values Al73.4 ± 4.20 mg/kg K 8710 ± 289 mg/kg Ba..... 9970 ± 1147 mg/kg Mg 47.0 ± 7.41 mg/kg Ca 111 ± 17.9 mg/kg Na..... 91.3 ± 16.0 mg/kg Cd 32.4 ± 1.05 mg/kg Pb 753 ± 22.8 mg/kg Cr (total) 11.1 ± 1.14 mg/kg Zn 737000 ± 63959 mg/kg Fe64.4 ± 3.08 mg/kg	50 g
CRM009-100G	电镀污泥 1 - 微量金属元素 Trace Metals - Electroplating Sludge 1 Lot Y009 Certified values Cr (total) 50.3 ± 4.26 mg/kg Ni 343 ± 8.12 mg/kg Cu 121000 ± 3046 mg/kg Ag 8.90 ± 1.66 mg/kg Pb..... 14200 ± 406 mg/kg Informational values Al 894 mg/kg Mn 37 mg/kg As 23 mg/kg Mo 22 mg/kg B..... 150 mg/kg Na..... 18400 mg/kg Ba..... 48 mg/kg P < 10mg/kg Be..... < 1.0 mg/kg Sb 9 mg/kg Ca 1140 mg/kg Se < 0-1 mg/kg Cd 1 mg/kg Sn 38500 mg/kg Co 7 mg/kg Sr 26 mg/kg Fe 3820 mg/kg Tl 26 mg/kg Hg 1 mg/kg V 1 mg/kg K..... 638 mg/kg Zn 43 mg/kg Mg 155 mg/kg pH..... 7.99 units	100 g
CRM010-100G	电镀污泥2 - 微量金属元素 Trace Metals - Electroplating Sludge 2 Lot RY010 Certified values Ag 56.4 ± 2.13 mg/kg Fe 2700 ± 274 mg/kg Al 693 ± 27.7 mg/kg Mn 17.5 ± 0.677 mg/kg Ba 173 ± 8.12 mg/kg Ni 194 ± 5.08 mg/kg Ca 563 ± 11.2 mg/kg Pb 119000 ± 9475 mg/kg Cr (total) 79.5 ± 4.74 mg/kg Zn 183 ± 13.9 mg/kg Cu 63200 ± 812 mg/kg Informational values Hg1.4 mg/kg Na 1580 mg/kg Mg 80.0 mg/kg pH 3.86 units	100 g
CRM011-100G	电镀污泥3 - 微量金属元素 Trace Metals - Electroplating Sludge 3 Certified values Cu Pb Ni	100 g

订货号	产品信息	包装
CRM018-50G	湿污泥 - 微量元素 Trace Metals - Wet Sewage Sludge Certified values Ag 72.1 ± 4.23 mg/kg Al 22400 ± 836 mg/kg As 6.63 ± 1.08 mg/kg Ba 1100 ± 45.0 mg/kg Be 0.300 ± 0.0440 mg/kg Ca 49100 ± 1685 mg/kg Cd 5.57 ± 0.355 mg/kg Co 3.22 ± 0.403 mg/kg Cu 840 ± 30.3 mg/kg Fe 9900 ± 707 mg/kg Hg 4.78 ± 0.663 mg/kg Informational values B 25.8 mg/kg Sb < 2.0 mg/kg Si 609 mg/kg Tl < 1.0 mg/kg Ammonia as N 7170 mg/kg K 2660 ± 249 mg/kg Mg 4300 ± 249 mg/kg Mn 200 ± 5.58 mg/kg Mo 10.5 ± 1.53 mg/kg Na 1000 ± 86.0 mg/kg Ni 20.4 ± 1.18 mg/kg Pb 126 ± 3.42 mg/kg Se 8.38 ± 1.54 mg/kg Sr 420 ± 18.1 mg/kg V 39.2 ± 1.74 mg/kg Zn 1120 ± 50.4 mg/kg TOC 15.4 mg/kg Nitrogen, total Kjeldahl 2.6 wt% P (total) 2.29 wt% Solids (total) 55.3 wt%	50 g
CRM029-50G	污泥 2 - 微量元素 Trace Metals - Sewage Sludge 2 Digested sewage sludge from a publicly owned treatment works (POTW), representative of a residential area with light industrial influence. The certified values were determined by USEPA SW846 (3rd edition) Methods 3050B and 6010B, except for Mercury (Method 7471). The sample is suitable for other 3000-series metals digestion procedures and 7000-series spectroscopic methods. Certified values Lot 013583 Ag 70.4 mg/kg Al 12400 mg/kg As 27.4 mg/kg Ba 1080 mg/kg Be 4.51 mg/kg B 186 mg/kg Ca 48400 mg/kg Cd 487 mg/kg Co 5.70 mg/kg Cr 345 mg/kg Cu 1100 mg/kg Fe 20700 mg/kg Hg 6.13 mg/kg K 3370 mg/kg Li 63.7 mg/kg Mg 8280 mg/kg Mn 399 mg/kg Mo 19.1 mg/kg Na 1650 mg/kg Ni 172 mg/kg Pb 300 mg/kg Sb 5.78 mg/kg Se 25.4 mg/kg Si 828 mg/kg Sn 97.1 mg/kg Sr 647 mg/kg Tl 44.9 mg/kg Ti 34.0 mg/kg V 41.5 mg/kg Zn 1400 mg/kg Ammonia as N 5450 mg/kg Kjeldahl nitrogen 4.07 Wt% Nitrate 11200 mg/kg pH 7.10 Phosphorus, total 2.21 Wt% Residue, total (TS) 91.5 Wt% Residue, volatile 59.1 Wt% S 13600 mg/kg Total organic carbon 28.3 Wt%	50 g
CRM031-40G	污泥 3 - 微量元素 Trace Metals - Sewage Sludge 3 Certified values Lot 017359 Ag 128 mg/kg Al 16200 mg/kg As 86.5 mg/kg B 160 mg/kg Ba 761 mg/kg Be 54.6 mg/kg Ca 44300 mg/kg Cd 87.7 mg/kg Co 93.1 mg/kg Cr (total) 109 mg/kg Cu 621 mg/kg Fe 19600 mg/kg Hg 13.3 mg/kg K 4340 mg/kg Li 72.6 mg/kg Mg 8360 mg/kg Mn 1430 mg/kg Mo 55.7 mg/kg Na 1010 mg/kg Ni 227 mg/kg Pb 304 mg/kg Sb 72.6 mg/kg Se 122 mg/kg Sn 118 mg/kg Sr 601 mg/kg Ti 64.0 mg/kg Tl 129 mg/kg V 66.9 mg/kg Zn 1240 mg/kg Ammonia as N 5130 mg/kg Kjeldahl nitrogen total (TKN) 3.68 % Nitrate as N 1540 mg/kg pH 6.89 Phosphorus total 2.27 % Residue total (TS) 91.3 % Residue-volatile 53.3 % Sulfur 11400 mg/kg	40 g

订货号	产品信息	包装																																																																
CRM055-50G	污泥 4 - 微量金属元素 Trace Metals - Sewage Sludge 4 The values were determined by USEPA SW846 3050(Nitric Acid/Hot Plate), 3051(Nitric Acid/Microwave), 7000 series(AA), 6010(ICP) and Dutch standard methods (NEN 56.; 57.; 64.; and 66.; series) after total digestion using predominantly nitric/hydrochloric acid mixture (Aqua Regia) in pressurised microwave digester units. The sample is suitable for use by these, or other similar digestion and analytical procedures. Certified values Lot 015148 <table><tr><td>Ag.....</td><td>64.7 mg/kg</td><td>Mo</td><td>133 mg/kg</td></tr><tr><td>Al</td><td>14800 mg/kg</td><td>Na.....</td><td>758 mg/kg</td></tr><tr><td>As</td><td>229 mg/kg</td><td>Ni</td><td>163 mg/kg</td></tr><tr><td>B.....</td><td>110 mg/kg</td><td>Pb</td><td>154 mg/kg</td></tr><tr><td>Ba.....</td><td>765 mg/kg</td><td>Sb</td><td>75.3 mg/kg</td></tr><tr><td>Be.....</td><td>167 mg/kg</td><td>Se</td><td>162 mg/kg</td></tr><tr><td>Ca</td><td>47200 mg/kg</td><td>Sn</td><td>148 mg/kg</td></tr><tr><td>Cd</td><td>60.6 mg/kg</td><td>Sr</td><td>445 mg/kg</td></tr><tr><td>Co</td><td>97.0 mg/kg</td><td>Tl</td><td>82.0 mg/kg</td></tr><tr><td>Cr</td><td>289 mg/kg</td><td>V</td><td>245 mg/kg</td></tr><tr><td>Cu</td><td>482 mg/kg</td><td>Zn</td><td>1240 mg/kg</td></tr><tr><td>Fe</td><td>20100 mg/kg</td><td>pH.....</td><td>7.16</td></tr><tr><td>Hg</td><td>12.5 mg/kg</td><td>Phosphorus (total)</td><td>2.14 Wt%</td></tr><tr><td>K.....</td><td>2420 mg/kg</td><td>Residue, total (TS)</td><td>86.4 Wt%</td></tr><tr><td>Mn</td><td>693 mg/kg</td><td>Residue-volatile</td><td>56.2 Wt%</td></tr><tr><td>Mg</td><td>9210 mg/kg</td><td>Sulfur</td><td>11500 mg/kg</td></tr></table>	Ag.....	64.7 mg/kg	Mo	133 mg/kg	Al	14800 mg/kg	Na.....	758 mg/kg	As	229 mg/kg	Ni	163 mg/kg	B.....	110 mg/kg	Pb	154 mg/kg	Ba.....	765 mg/kg	Sb	75.3 mg/kg	Be.....	167 mg/kg	Se	162 mg/kg	Ca	47200 mg/kg	Sn	148 mg/kg	Cd	60.6 mg/kg	Sr	445 mg/kg	Co	97.0 mg/kg	Tl	82.0 mg/kg	Cr	289 mg/kg	V	245 mg/kg	Cu	482 mg/kg	Zn	1240 mg/kg	Fe	20100 mg/kg	pH.....	7.16	Hg	12.5 mg/kg	Phosphorus (total)	2.14 Wt%	K.....	2420 mg/kg	Residue, total (TS)	86.4 Wt%	Mn	693 mg/kg	Residue-volatile	56.2 Wt%	Mg	9210 mg/kg	Sulfur	11500 mg/kg	50 g
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CRM101-100G	API分离器污泥 1 - BNAs BNAs - API Separator Sludge 1 Polynuclear aromatic hydrocarbons (PAH) contaminated oily sludge from a refinery located in the Western United States. The values were determined by USEPA SW846 (3rd edition) Methods 3540, 3550 and 8270. Sample is suitable for use by these and other similar methods. Certified values <table><tr><td>Chrysene</td><td>10.6 mg/kg</td><td>Phenanthrene</td><td>169 mg/kg</td></tr><tr><td>2-Methylnaphthalene</td><td>250 mg/kg</td><td>Phenol</td><td>(30.09) mg/kg</td></tr><tr><td>Fluorene</td><td>68.4 mg/kg</td><td>Pyrene</td><td>17 mg/kg</td></tr><tr><td>Napthalene</td><td>89.5 mg/kg</td><td></td><td></td></tr></table>	Chrysene	10.6 mg/kg	Phenanthrene	169 mg/kg	2-Methylnaphthalene	250 mg/kg	Phenol	(30.09) mg/kg	Fluorene	68.4 mg/kg	Pyrene	17 mg/kg	Napthalene	89.5 mg/kg			100 g																																																
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CRM401-225G	污泥 1 - TCLP半挥发性物质 TCLP Semi-Volatiles - Sludge 1 Organic contaminated soil from a superfund site in the Western United States. Certified using methods USEPA, SW846, 3rd edition, Extraction Method 1311 and analytical methods 8031, 8150 and 8270. Lot D5401 Certified values <table><tr><td>o-Cresol</td><td>888 mg/kg</td><td>Pentachlorophenol</td><td>117 mg/kg</td></tr><tr><td>Total cresol</td><td>2660 mg/kg</td><td>2,4,6-Trichlorophenol</td><td>58.7 mg/kg</td></tr><tr><td>Lindane</td><td>1.05 mg/kg</td><td></td><td></td></tr></table> Indicative values for m+p Cresol, 2,4-D TCLP: Total Characteristic Leaching Procedure. Superfund: US Government funding for the cleaning up of sites in the United States where dumping of hazardous waste has occurred.	o-Cresol	888 mg/kg	Pentachlorophenol	117 mg/kg	Total cresol	2660 mg/kg	2,4,6-Trichlorophenol	58.7 mg/kg	Lindane	1.05 mg/kg			225 g																																																				
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环境基质标准品 - 污水

订货号	产品信息	包装
ERMCA713	污水 - 微量无机元素 Waste Water – Trace elements Certified values As10.8 ± 0.3 µg/L Cd5.09 ± 0.20 µg/L Cr20.9 ± 1.3 µg/L Cu101 ± 7 µg/L Fe445 ± 27 µg/L Hg.....1.84 ± 0.11 µg/L Mn95 ± 4 µg/L Ni50.3 ± 1.4 µg/L Pb49.7 ± 1.7 µg/L Se4.9 ± 1.1 µg/L	100 mL

环境基质标准品 - 淡水

订货号	产品信息	包装
BCR479	淡水 - 低含量硝酸盐 Fresh water - Nitrate, low level Produced by adding a solution of the required salt to ultra pure water. Final pH was around 6.8 Certified value NO ₃ 214 µmol/kg	100 mL
BCR480	淡水 - 高含量硝酸盐 Fresh water - Nitrate, high level Produced by adding a solution of the required salt to ultra pure water. Final pH was around 6.8 Certified value NO ₃885 µmol/kg	100 mL
BCR609	地下水 - 微量元素, 低含量 Ground water - Trace elements (low level) The material has been filtered at 0.45 µm and acidified with HNO ₃ to around pH 1.5 Certified values Al 47.7 µg/kg Cd0.164 µg/kg Pb..... 1.63 µg/kg As1.2 µg/kg Cu2.48 µg/kg	500 mL
BCR610	地下水 - 微量元素, 高含量 Ground water - Trace elements (high level) The material has been filtered at 0.45 µm and acidified with HNO ₃ to around pH 1.5 Certified values Al 159 µg/kg Cd2.94 µg/kg Pb..... 7.78 µg/kg As10.8 µg/kg Cu45.7 µg/kg	500 mL
BCR611	地下水- Br溴, 低含量 Ground water - Bromide (low level) (Based on IC measurements) The material has been filtered at 0.45 µm and sterilised by autoclaving Certified value Br 93 µg/kg	4 x 25 mL
BCR612	地下水- Br溴, 高含量 Ground water - Bromide (high level) (Based on IC measurements) The material has been filtered at 0.45 µm and sterilised by autoclaving Certified value Br252 µg/kg	4 x 25 mL
ERMCA615	地下水 - 微量元素 Ground water - Trace elements Certified values As 9.9 ± 0.7 µg/L Hg 0.037 ± 0.004 µg/L Pb..... 7.1 ± 0.6 µg/L Cd 0.106 ± 0.011 µg/L Mn 107 ± 5 µg/L Fe 5.11 ± 0.26 mg/L Ni 25.3 ± 1.1 µg/L	95 mL
ERMCA616	地下水 - 微量元素, 电导率, pH值 Ground water - Trace elements, conductivity, pH A natural groundwater fortified with ammonium dihydrogenphosphate Certified values Calcium 42.6 ± 1.4 mg/L ortho-phosphate..... 2.24 ± 0.1 mg/L Chloride 44.6 ± 0.9 mg/L Potassium 5.79 ± 0.15 mg/L Magnesium 10.1 ± 0.3 mg/L Sodium27.9 ± 0.8 mg/L Electrochemical properties Conductivity (20 °C) 426 ± 5 µS/cm pH (20 °C) 7.12 ± 0.18	95 mL
NIST1640A	天然水 - 微量元素 Natural water - Trace elements This Standard Reference Material (SRM) is intended for use in evaluating methods used in the determination of trace elements in fresh water. NIST-1640a consists of acidified spring water with mass fractions and mass concentrations assigned for 29 elements, 22 of which were gravimetrically added. The solution contains nitric acid at a volume fraction of approximately 2 %. A unit of NIST-1640a consists of 250 mL of solution in a high-density polyethylene (HDPE) bottle sealed inside an aluminized Mylar pouch. Certified values Ag 8.017 ± 0.042 µg/kg Co20.08 ± 0.24 µg/kg Se 19.97 ± 0.16 µg/kg Al 52.6 ± 1.8 µg/kg Cu85.07 ± 0.48 µg/kg Sr 125.03 ± 0.86 µg/kg As 8.010 ± 0.067 µg/kg Fe36.5 ± 1.7 µg/kg Tl 1.606 ± 0.015 µg/kg B 300.7 ± 3.1 µg/kg Mn40.07 ± 0.35 µg/kg U 25.15 ± 0.26 µg/kg Ba..... 150.60 ± 0.74 µg/kg Mo45.24 ± 0.59 µg/kg V 14.93 ± 0.21 µg/kg Be3.002 ± 0.027 µg/kg Ni25.12 ± 0.12 µg/kg Zn55.20 ± 0.32 µg/kg Cd3.961 ± 0.072 µg/kg Pb 12.005 ± 0.040 µg/kg Cr40.22 ± 0.28 µg/kg Sb5.064 ± 0.045 µg/kg	250 mL

订货号	产品信息	包装
NIST1641E	天然水 - 汞 Natural water - Mercury This Standard Reference Material (SRM) is intended for the calibration of instruments and techniques used for the determination of mercury in natural waters. It is designed for the preparation of calibration solutions and for use as a "spike" sample in a "method-of-additions" analytical procedure. A unit of SRM 1641e consists of 10 ampoules, each ampoule containing approximately 10 mL of solution consisting of a trace amount of mercury in approximately 3 % mass fraction nitric acid and 2 % mass fraction hydrochloric acid, equivalent to amount-of-substance concentration (molarity) values of approximately 0.5 mol/L nitric acid and 0.5 mol/L hydrochloric acid. Certified value Mercury 0.1016 ± 0.0017 mg/kg	10 x 10 mL

环境基质标准品 - 海水

订货号	产品信息	包装
BCR505	入海水 - 微量元素 Estuarine water - Trace elements The material has been filtered at 0.45 µm and acidified with HNO ₃ to around pH 1.5 Certified values Cd 0.80 nmol/kg Ni 24.1 nmol/kg Cu 29.4 nmol/kg Zn 172 nmol/kg	1 L
BCR579	沿海海水 - 微量元素 Coastal sea water - Mercury The material has been filtered at 0.45 µm and acidified with HCl to around pH 1.7 Certified value Hg 1.9 ng/kg	1 L

环境基质标准品 - 加标水，营养强化水

订货号	产品信息	包装
ERMCA408	模拟雨水 Simulated rainwater Certified values Ammonium..... 0.91 ± 0.028 mg/L Nitrate 2.01 ± 0.09 mg/L Chloride 1.96 ± 0.07 mg/L ortho-phosphate 1 ± 0.05 mg/L Fluoride 0.194 ± 0.008 mg/L Sulfate 1.46 ± 0.04 mg/L Magnesium 0.145 ± 0.022 mg/L Electrochemical properties Conductivity 18.7 ± 1.8 µS/cm pH (20 °C) 6.3 ± 0.6	95 mL

环境基质标准品 - 植株

订货号	产品信息	包装
BCR129	干草粉 - 微量元素 Hay powder - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values Ca 6.4 g/kg Mg 1.45 g/kg S..... 3.16 g/kg I0.167 mg/kg N 37.2 g/kg Zn 32.1 mg/kg K33.8 g/kg P 2.36 g/kg Kjeldahl-N 34.2 g/kg	30 g
BCR402	白三叶草 - 无机微量元素 White clover - Trace elements BCR® Certified reference material (Sigma-Aldrich) Collected from an area with soil especially rich in selenium, resulting in a high selenium content Certified values As 0.093 mg/kg Mo 6.93 mg/kg Co0.178 mg/kg Se 6.70 mg/kg Indicative values for Cr, Fe, Ni, Zn	25 g
BCR414	浮游生物 - 微量元素 Plankton - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values As 6.82 µg/g Hg 0.276 µg/g Se..... 1.75 µg/g Cd 0.383 µg/g Mn 299 µg/g V..... 8.10 µg/g Cr23.8 µg/g Ni 18.8 µg/g Zn 111.6 µg/g Cu29.5 µg/g Pb 3.97 µg/g	5 g
BCR482	苔藓 - 微量元素 Lichen - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values Al1103 mg/kg Cr 4.12 mg/kg Ni..... 2.47 mg/kg As0.85 mg/kg Cu 7.03 mg/kg Pb..... 40.9 mg/kg Cd0.56 mg/kg Hg 0.48 mg/kg Zn 100.6 mg/kg	15 g
BCR670	水生食物 - 浮萍 - 微量元素 Aquatic plant (Lemna minor) - Trace elements BCR® Certified reference material (Sigma-Aldrich) Certified values Ce 0.99 mg/kg La 0.487 mg/kg Tb 14.0 µg/kg Dy..... 79 µg/kg Lu 6.3 µg/kg Th 0.159 mg/kg Er44.0 µg/kg Nd 0.473 mg/kg Tm 5.70 µg/kg Eu.....23.2 µg/kg Pr 0.121 mg/kg U 82 µg/kg Gd98 µg/kg Sc 0.191 mg/kg Y..... 0.46 mg/kg Ho15.8 µg/kg Sm 94 µg/kg Yb..... 40 µg/kg Indicative values for : As, Cd, Cr, Cs, Cu, Fe, Mo, Ni, Pb, Sb, Se and Zn	10 g
BCR596	水生植物 (水红菱) - 铬 Aquatic plant (trapa natans) - Chromium BCR® Certified reference material (Sigma-Aldrich) Certified value Cr 36.3 mg/kg	25 g
ERMCD200	海藻 - 微量元素 Seaweed - Trace elements ERM® Certified reference material (Sigma-Aldrich) The sample consists of at least 5 g of dried, powdered and homogenised bladderwrack (Fucus vesiculosus). The powder is contained in an amber glass bottle, sealed in an aluminized polythene sachet. Certified values Arsenic (As) 55 ± 4 mg/kg Lead (Pb) 0.51 ± 0.06 mg/kg Cadmium (Cd) 0.95 ± 0.06 mg/kg Selenium (Se)7.9 ± 0.6 mg/kg Copper (Cu) 1.71 ± 0.18 mg/kg Zinc (Zn).....25.3 ± 1.7 mg/kg Mercury (Hg) 0.0186 ± 0.0016 mg/kg	5 g

订货号	产品信息	包装
ERMCD281	黑麦草 - 微量元素 Rye grass - Trace elements ERM® Certified reference material (Sigma-Aldrich) Certified values As0.042 ± 0.01 mg/kg Hg0.0164 ± 0.0022 mg/kg Sb 0.042 ± 0.007 mg/kg B5.5 ± 0.5 mg/kg Mn 82 ± 4 mg/kg Se 0.023 ± 0.004 mg/kg Cd0.12 ± 0.007 mg/kg Mo 2.22 ± 0.12 mg/kg Sn 0.062 ± 0.011 mg/kg Cr24.8 ± 1.3 mg/kg Ni 15.2 ± 0.6 mg/kg Zn 30.5 ± 1.1 mg/kg Cu10.2 ± 0.5 mg/kg Pb 1.67 ± 0.11 mg/kg	vial
NIST1515	苹果树叶 - 微量元素 Apple leaves - Trace elements NIST® SRM®1515 (Sigma-Aldrich) Dried leaves from Golden Delicious and Rome varieties. Certified values Al 286 mg/kg Fe 83 mg/kg Ni 0.91 mg/kg As 0.038 mg/kg Hg 0.044 mg/kg P 0.159 % B 27 mg/kg K 1.61 % Pb 0.470 mg/kg Ba49 mg/kg Mg 0.271 % Rb 10.2 mg/kg Ca1.526 % Mn 54 mg/kg Se 0.050 mg/kg Cd0.013 mg/kg Mo 0.094 mg/kg Sr 25 mg/kg Cl579 mg/kg N 2.25 % V 0.26 mg/kg Cu5.64 mg/kg Na 24.4 mg/kg Zn 12.5 mg/kg Indicative values for Au, Br, Ce, Co, Cr, Eu, Gd, I, La, Nd, S, Sb, Sc, Sm, Sn, Tb, Th, U, W, Yb	50 g
NIST1547	桃叶 - 微量元素 Peach leaves - Trace elements NIST® SRM® 1547 (Sigma-Aldrich) Dried leaves from the Coronet variety. Certified values Al 249 mg/kg Fe 218 mg/kg Ni 0.69 mg/kg As 0.060 mg/kg Hg 0.031 mg/kg P 0.137 % B29 mg/kg K 2.43 % Pb 0.87 mg/kg Ba124 mg/kg Mg 0.432 % Rb 19.7 mg/kg Ca 1.56 % Mn 98 mg/kg Se 0.120 mg/kg Cd0.026 mg/kg Mo 0.060 mg/kg Sr 53 mg/kg Cl360 mg/kg N 2.94 % V 0.37 mg/kg Cu 3.7 mg/kg Na 24 mg/kg Zn 17.9 mg/kg Indicative values for Br, Ce, Co, Cr, Eu, Gd, I, La, Nd, S, Sb, Sc, Sm, Sn, Tb, Th, U, Yb	50 g
NIST1570a	菠菜叶 - 微量元素 Spinach leaves - Trace elements NIST® SRM® 1570a (Sigma-Aldrich) Certified values Al 310 mg/kg Cu 12.2 mg/kg P 0.518 % As0.068 mg/kg Hg 0.030 mg/kg Se 0.117 mg/kg B37.6 mg/kg K 2.903 % Sr 55.6 mg/kg Cd2.89 mg/kg Mn 75.9 mg/kg Th 0.48 mg/kg Ca1.527 % Na 1.818 % V 0.835 mg/kg Co0.39 mg/kg Ni 2.14 mg/kg Zn 30.9 mg/kg Indicative values for Ba, Br, Ce, Cl, Cs, I, La, Mg, Mo, S, Sc, Sm, Sr, U	60 g
NIST1573a	番茄叶 - 微量元素 Tomato leaves - Trace elements NIST® SRM® 1573a (Sigma-Aldrich) Certified values Al 598 mg/kg Cu 4.70 mg/kg P..... 0.216 % As 0.112 mg/kg Hg 0.034 mg/kg Rb 14.89 mg/kg B.....33.3 mg/kg K 2.70 % Sb..... 0.063 mg/kg Cd1.52 mg/kg Mn 246 mg/kg Se..... 0.054 mg/kg Ca 5.05 % N 3.03 % V..... 0.57 mg/kg Co0.57 mg/kg Na 136 mg/kg Zn 82 mg/kg Cr1.99 mg/kg Ni 1.59 mg/kg Indicative values for Eu, Gd, Mg, Pb, S, Sc, Sm, Sr, Th, U	50 g

订货号	产品信息	包装
NIST1575a	松针 - 微量元素 Pine needles - Trace elements and minor constituents NIST® SRM® 1575a (Sigma-Aldrich) Certified values P..... 0.107 % Ba 6.0 mg/kg Fe 46 mg/kg K..... 0.417 % Cd 0.233 mg/kg Hg 0.0399 mg/kg Ca 0.25 % Cl 421 mg/kg Rb 16.5 mg/kg Al 580 mg/kg Cu 2 g/kg Zn 38 mg/kg	50 g
NIST2695	植被（草） - 氟元素 Vegetation - Fluoride NIST® SRM® 2695 (Sigma-Aldrich) Two samples of timothy grass with fluoride concentrations above natural levels. Low level Certified value Fluoride 64.0 µg/g High level Certified value Fluoride 277 µg/g	2 x 25 g
NIST3246	银杏- 黄酮类、萜类、促肾上腺皮质激素类、无机元素 Ginkgo biloba - Flavonoids, terpene , actones, elements NIST® SRM® 3246 (Sigma-Aldrich) Standard Reference Material NIST-3246 is intended primarily for use in validating analytical methods for the determination of flavonoids, terpene lactones, and toxic elements in Ginkgo biloba and similar matrices. Certified values Quercetin 2.69 ± 0.31 mg/g Ginkgolide B..... 0.470 ± 0.090 mg/g Kaempferol 3.02 ± 0.41 mg/g Cd..... 20.8 ± 1.0 ng/g Isorhamnetin 0.517 ± 0.099 mg/g Pb 995 ± 30 ng/g Total Aglycones 6.22 ± 0.77 mg/g Hg..... 23.08 ± 0.17 ng/g Indicative values for selected terpene, lactone	5 x 3 g
NIST3247	银杏叶提取物- 黄酮类、萜类、促肾上腺皮质激素类、无机元素 Ginkgo biloba extract - Flavonoids, terpene , actones, elements NIST® SRM® 3247 (Sigma-Aldrich) Standard Reference Material NIST-3247 is intended primarily for use in validating analytical methods for the determination of flavonoids, terpene lactones, and toxic elements in Ginkgo biloba extracts and similar matrices. Certified values Quercetin 45.1 ± 4.6 mg/g Ginkgolide 12.4 ± 1.4 mg/g Kaempferol 40.8 ± 3.0 mg/g Ginkgolide 3.9 ± 1.5 mg/g Isorhamnetin 10.8 ± 1.3 mg/g Bilobalide 28.5 ± 2.1 mg/g Total Aglycones 96.8 ± 8.3 mg/g Total Terpene Lactones 62.4 ± 5.7 mg/g Ginkgolide 11.6 ± 1.7 mg/g Pb 4.273 ± 0.031 ng/g Ginkgolide 5.92 ± 0.45 mg/g Indicative values for As and Cd	5 x 1 g
NIST3248	银杏含片 - 黄酮苷元、萜内酯 Ginkgo-containing tablets - Flavonoids aglycones, terpene lactones NIST® SRM® 3248 (Sigma-Aldrich) Standard Reference Material NIST-3248 is intended primarily for use in validating analytical methods for the determination of flavonoids, terpene lactones, and toxic elements in ginkgo-containing tablets and similar matrices. Certified values Quercetin 7.56 ± 0.40 Ginkgolide B..... 1.12 ± 0.20 Kaempferol 7.19 ± 0.70 Ginkgolide C 2.36 ± 0.42 Isorhamnetin1.90 ± 0.22 Total Terpene Lactones 11.8 ± 1.4 Total Aglycones 16.6 ± 1.2 Pb 0.7753 ± 0.0089 µg/g Indicative values for detected terpene, lactones As, Cd and Hg	5 x 1 g
NISTRM8491	甘蔗渣 - 全生物质原料 Sugar cane bagasse - Whole biomass feedstocks NIST® SRM® 8491 (Sigma-Aldrich) This Reference Material (RM) is intended primarily for use in evaluating analytical methods for the determination of summative composition of lignocellulosic materials. Reference concentration values for the following constituents are given: Water extractives, 95% Ethanol extractives, Sucrose, Whole ash, Glucan, Xylan, Arabinan, Galactan, Mannan, Structural sugars, Total lignin, Acid-insoluble lignin, Acid-soluble lignin, Acetyl, Nitrogen and Total component closure.	50 g

订货号	产品信息	包装																								
NISTRM8492	美洲黑杨 - 全生物质原料 Eastern cottonwood - Whole biomass feedstocks NIST® RM 8492 (Sigma-Aldrich) This Reference Material (RM) is intended primarily for use in evaluating analytical methods for the determination of summative composition of lignocellulosic materials. Reference concentration values for the following constituents are given: Water extractives, 95% Ethanol extractives, Sucrose, Whole ash, Glucan, Xylan, Arabinan, Galactan, Mannan, Structural sugars, Total lignin, Acid-insoluble lignin, Acid-soluble lignin, Acetyl, Nitrogen and Total component closure.	50 g																								
NISTRM8493	蒙特雷松 - 全生物质原料 Monterey pine - Whole biomass feedstocks NIST® RM 8493 (Sigma-Aldrich) This Reference Material (RM) is intended primarily for use in evaluating analytical methods for the determination of summative composition of lignocellulosic materials. Reference concentration values for the following constituents are given: Water extractives, 95% Ethanol extractives, Sucrose, Whole ash, Glucan, Xylan, Arabinan, Galactan, Mannan, Structural sugars, Total lignin, Acid-insoluble lignin, Acid-soluble lignin, Acetyl, Nitrogen and Total component closure.	50 g																								
NISTRM8494	小麦秸秆 - 全生物质原料 Wheat straw - Whole biomass feedstocks NIST® RM 8494 (Sigma-Aldrich) This Reference Material (RM) is intended primarily for use in evaluating analytical methods for the determination of summative composition of lignocellulosic materials. Reference concentration values for the following constituents are given: Water extractives, 95% Ethanol extractives, Sucrose, Whole ash, Glucan, Xylan, Arabinan, Galactan, Mannan, Structural sugars, Total lignin, Acid-insoluble lignin, Acid-soluble lignin, Acetyl, Nitrogen and Total component closure.	50 g																								
NISTRM8495	北方针叶木漂白硫酸盐溶液 - 性能 (RM) Northern softwood bleached kraft pulp - Properties (RM) NIST RM 8495, bleached kraft pulp (Sigma-Aldrich) Properties of fibres and paper sheets	10 sheets																								
NISTRM8496	桉木漂白硫酸盐盐溶液 - 性能 (RM) Eucalyptus hardwood bleached kraft pulp - Properties (RM) NIST RM 8496, bleached kraft pulp (Sigma-Aldrich) Properties of fibres and paper sheets	10 sheets																								
ERMCD100	木材 - 微量元素和五氯酚 (PCP) Wood - Trace elements and pentachlorophenol (PCP) ERM® Certified reference material (Sigma-Aldrich) The Certified reference material ERM-CD100 is intended for the verification of a correct implementation of standardised analytical methods for waste wood characterisation such as CEN/TR 14823 for the determination of PCP or digestion methods according to EN 13657 for the determination of trace elements. Furthermore, it can be used for the validation of modified or new analytical procedures. <table><tr><td>Arsenic (As)</td><td>3.1 ± 0.5 mg/kg</td><td>Mercury (Hg)</td><td>0.60 ± 0.14 mg/kg</td></tr><tr><td>Cadmium (Cd)</td><td>3.02 ± 0.24 mg/kg</td><td>Lead (Pb)</td><td>39 ± 4 mg/kg</td></tr><tr><td>Chromium (Cr)</td><td>36.4 ± 2.6 mg/kg</td><td>Pentachlorophenol</td><td>7.9 ± 0.6 mg/kg</td></tr><tr><td>Copper (Cu)</td><td>22.9 ± 1.7 mg/kg</td><td></td><td></td></tr></table> Additional information The moisture content of the bottled wood material at the time of certification was (7.48 ± 0.14) %, corresponding to a drying temperature of (103 ± 2) °C.	Arsenic (As)	3.1 ± 0.5 mg/kg	Mercury (Hg)	0.60 ± 0.14 mg/kg	Cadmium (Cd)	3.02 ± 0.24 mg/kg	Lead (Pb)	39 ± 4 mg/kg	Chromium (Cr)	36.4 ± 2.6 mg/kg	Pentachlorophenol	7.9 ± 0.6 mg/kg	Copper (Cu)	22.9 ± 1.7 mg/kg			74 g								
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BCR683	山毛榉木 (PCP - 五氯酚 和 PAH - 多环芳烃) Beech wood - PCP and PAHs BCR® Certified reference material (Sigma-Aldrich) Compound <table><tr><td></td><td>Certified value</td><td>Uncertainty</td></tr><tr><td></td><td>mg/kg</td><td>mg/kg</td></tr><tr><td>Pentachlorophenol.....</td><td>3.6</td><td>0.5</td></tr><tr><td>Benzo(a)anthracene</td><td>6.5</td><td>0.7</td></tr><tr><td>Benzo(a)pyrene</td><td>3.4</td><td>0.4</td></tr><tr><td>Benzo(e)pyrene</td><td>9.3</td><td>1.0</td></tr><tr><td>Benzo(b)fluoranthene</td><td>5.8</td><td>0.6</td></tr><tr><td>Benzo(k)fluoranthene</td><td>2.58</td><td>0.29</td></tr></table>		Certified value	Uncertainty		mg/kg	mg/kg	Pentachlorophenol.....	3.6	0.5	Benzo(a)anthracene	6.5	0.7	Benzo(a)pyrene	3.4	0.4	Benzo(e)pyrene	9.3	1.0	Benzo(b)fluoranthene	5.8	0.6	Benzo(k)fluoranthene	2.58	0.29	60 g
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环境基质标准品 - 职业卫生标准品

订货号	产品信息	包装																												
BCR126A	含铅玻璃 - 成分 Lead glass - Constituents Specially selected glass with a composition that displays many typical analytical problems. Size: 100 x 100 x 10 mm Certified values <table><tr><td>Al₂O₃</td><td>0.128 cg/g</td><td>Na₂O</td><td>3.58 cg/g</td></tr><tr><td>BaO</td><td>1.036 cg/g</td><td>PbO</td><td>23.98 cg/g</td></tr><tr><td>CaO</td><td>1.033 cg/g</td><td>Sb₂O₃</td><td>0.290 cg/g</td></tr><tr><td>Fe₂O₃</td><td>0.0055 cg/g</td><td>SiO₂</td><td>57.80 cg/g</td></tr><tr><td>K₂O</td><td>10.00 cg/g</td><td>ZnO</td><td>1.020 cg/g</td></tr><tr><td>Li₂O</td><td>0.495 cg/g</td><td>Density (20°C)</td><td>2.9905 g/cm</td></tr><tr><td>MgO</td><td>0.512 cg/g</td><td>Refractive index (20°C) at 589.3nm</td><td>1.55967</td></tr></table>	Al ₂ O ₃	0.128 cg/g	Na ₂ O	3.58 cg/g	BaO	1.036 cg/g	PbO	23.98 cg/g	CaO	1.033 cg/g	Sb ₂ O ₃	0.290 cg/g	Fe ₂ O ₃	0.0055 cg/g	SiO ₂	57.80 cg/g	K ₂ O	10.00 cg/g	ZnO	1.020 cg/g	Li ₂ O	0.495 cg/g	Density (20°C)	2.9905 g/cm	MgO	0.512 cg/g	Refractive index (20°C) at 589.3nm	1.55967	300 g
Al ₂ O ₃	0.128 cg/g	Na ₂ O	3.58 cg/g																											
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MgO	0.512 cg/g	Refractive index (20°C) at 589.3nm	1.55967																											
IRMM435	医药玻璃容器 - 碱浸和溶出 Pharmaceutical glass - Leaching This material is intended for performance checks of the complete procedure of autoclave leaching of the inner walls of glass containers and subsequent determination of alkali and/or sodium release by titration and/or flame spectrometry. <table><tr><td></td><td>Certified value</td><td></td><td>Uncertainty</td></tr><tr><td>Volume of titration solution</td><td>0.38 mL</td><td></td><td>0.04 mL</td></tr><tr><td colspan="4">0.01 mol/L HCl per 50 mL of leachate¹⁾</td></tr><tr><td>Sodium release per volume</td><td>1.41 mg/L</td><td></td><td>0.14 mg/L</td></tr><tr><td colspan="4">of leachate¹⁾</td></tr><tr><td>Release of Na₂O per volume.....</td><td>1.91 mg/L</td><td></td><td>0.19 mg/L</td></tr><tr><td colspan="4">of leachate¹⁾</td></tr></table> 1) As determined according to the adapted method for alkali release based on the European Pharmacopoeia method and ISO 4802		Certified value		Uncertainty	Volume of titration solution	0.38 mL		0.04 mL	0.01 mol/L HCl per 50 mL of leachate ¹⁾				Sodium release per volume	1.41 mg/L		0.14 mg/L	of leachate ¹⁾				Release of Na ₂ O per volume.....	1.91 mg/L		0.19 mg/L	of leachate ¹⁾				20 vials
	Certified value		Uncertainty																											
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Release of Na ₂ O per volume.....	1.91 mg/L		0.19 mg/L																											
of leachate ¹⁾																														
NIST2569	儿童产品的涂铅塑料膜 Lead Paint Films for Children's Products This Standard Reference Material (SRM) is intended for use in the evaluation of lead in paint on films or similar matrices using non-destructive, instrumental methods of analysis. SRM 2569 consists of three different paint films each containing a specified amount of lead (Pb) and each supported on polyester sheet. SRM 2569 is not intended for use in test method calibration for thickness and density. A unit of SRM 2569 consists of three coupons of paint on polyester and five coupons of uncoated polyester. The coupons are approximately 73 mm long by 52 mm wide. The paint films are cured lacquer having a specified thickness in the range of 20 μm to 45 μm. Level 1 <table><tr><td>Pb Mass Fraction</td><td>< 0.2 mg/kg</td></tr><tr><td>Mass of Pb per Unit Area</td><td>< 0.02 ug/m²</td></tr><tr><td>Paint thickness</td><td>40.17 μm</td></tr></table> Level 2 <table><tr><td>Pb Mass Fraction</td><td>85 mg/kg</td></tr><tr><td>Mass of Pb per Unit Area</td><td>0.225 μg/cm²</td></tr><tr><td>Paint thickness</td><td>22.9 μm</td></tr></table> Level 3 <table><tr><td>Pb Mass Fraction</td><td>314.4 mg/kg</td></tr><tr><td>Mass of Pb per Unit Area</td><td>1.453 μg/cm²</td></tr><tr><td>Paint thickness</td><td>39.4 μm</td></tr></table> Reference values Level 1 <table><tr><td>Density of paint</td><td>1.145 g/cm³</td></tr></table> Level 2 <table><tr><td>Density of paint</td><td>1.158 g/cm³</td></tr></table> Level 3 <table><tr><td>Density of paint</td><td>1.160 g/cm³</td></tr></table>	Pb Mass Fraction	< 0.2 mg/kg	Mass of Pb per Unit Area	< 0.02 ug/m ²	Paint thickness	40.17 μm	Pb Mass Fraction	85 mg/kg	Mass of Pb per Unit Area	0.225 μg/cm ²	Paint thickness	22.9 μm	Pb Mass Fraction	314.4 mg/kg	Mass of Pb per Unit Area	1.453 μg/cm ²	Paint thickness	39.4 μm	Density of paint	1.145 g/cm ³	Density of paint	1.158 g/cm ³	Density of paint	1.160 g/cm ³	set (8)				
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Density of paint	1.158 g/cm ³																													
Density of paint	1.160 g/cm ³																													
NIST2570	涂铅薄片（白色 / 空白） - 铅含量 Lead paint film (white/blank) - Lead This Standard Reference Material (SRM) is intended as a blank for SRM 2571 to SRM 2576, which are used for checking the calibration of portable, hand-held, x-ray fluorescence analyzers when testing for lead in paint coatings on interior and exterior building surfaces. A unit of SRM 2570 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, lacquer layer, approximately 0.04 mm thick. Each unit is over-coated with a clear, thin, plastic laminate to protect the surface from abrasion. SRM 2570 is one of a set of six paint films (SRM 2570 to SRM 2575) available as SRM 2579a. Certified value <table><tr><td>Pb.....</td><td>< 0.01 mg/cm²</td></tr></table>	Pb.....	< 0.01 mg/cm ²	2 sheets																										
Pb.....	< 0.01 mg/cm ²																													

订货号	产品信息	包装
NIST2571	涂铅薄片 (黄色) - 铅含量 Lead paint film (yellow) - Lead A unit of NIST-2571 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, yellow-colored paint layer, approximately 0.04 mm thick. A blank, SRM 2570, is also provided. Certified value Pb..... 3.58 mg/cm ²	2 sheets
NIST2572	涂铅薄片 (橙色) - 铅含量 Lead paint film (orange) - Lead A unit of NIST-2572 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, orange-colored paint layer, approximately 0.04 mm thick. A blank, NIST-2570, is also provided. Certified value Pb..... 1.527 mg/cm ²	2 sheets
NIST2573	涂铅薄片 (红色) - 铅含量 Lead paint film (red) - Lead A unit of NIST-2573 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, red-colored paint layer, approximately 0.04 mm thick. A blank, NIST-2570, is also provided. Certified value Pb..... 1.040 mg/cm ²	2 sheets
NIST2574	涂铅薄片 (金色) - 铅含量 Lead paint film (gold) - Lead A unit of NIST-2574 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, gold-colored paint layer, approximately 0.04 mm thick. A blank, NIST-2570, is also provided. Certified value Pb..... 0.714 mg/cm ²	2 sheets
NIST2575	涂铅薄片 (绿色) - 铅含量 Lead paint film (green) - Lead A unit of NIST-2575 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, green-colored paint layer, approximately 0.04 mm thick. A blank, NIST-2570, is also provided. Certified value Pb..... 0.307 mg/cm ²	2 sheets
NIST2576	涂铅薄片 (蓝色) - 铅含量 Lead paint film (blue) - Lead A unit of NIST-2576 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, blue-colored paint layer, approximately 0.04 mm thick. A blank, NIST-2570, is also provided. Certified value Pb..... 5.59 mg/cm ²	2 sheets
NIST2580	粉末涂料 - 铅含量 Powdered paint - Lead Certified value Pb..... 4.34 %	30 g
NIST2581	粉末涂料 - 铅含量 Powdered paint - Lead Certified value Pb..... 0.449 %	35 g
NIST2582	粉末涂料 - 铅含量 Powdered paint - Lead Certified value Pb..... 209 mg/kg	20 g

订货号	产品信息	包装
NIST2589	粉末涂料 - 铅含量 Powdered paint - Lead NIST-2589 is composed of paint collected from the interior surface of housing. Certified value Pb9.99 % ± 1.6 %	35 g
NISTRM8680	纤维板涂层 - 铅含量 Paint on fiberboard - Lead 10.2 x 15.2 x 1.3 cm sheet Indicative value for Pb	sheet
NISTRM8785	过滤介质 - 空气颗粒物 Filter media - Air particulate matter This Reference Material NIST-RM 8785 is intended primarily for use in the evaluation of analytical methods used to characterise the carbon composition of atmospheric fine-particulate matter (PM) for national air quality monitoring programs. This RM consists of only the fine fraction (nominally < 2.5 µm aerodynamic diameter) of NIST-1649a Urban Dust resuspended in air and filtered onto quartz-fiber filter. NIST-RM 8785 also provides the atmospheric chemistry and ocean-sciences community with a means to inter-compare methods and laboratories for the measurement of elemental (black) carbon. RM 8785 has value-assignments for total carbon, elemental carbon and organic carbon measured according to two thermal-optical methods: the NIOSH and IMPROVE protocols. A unit of NIST-RM 8785 consists of three loaded filters, each uniquely identified by its APM identification number (e.g., APM 1257), its production characteristics, i.e., batch and chamber-column-row (e.g., 12959-30 and IV-D-5, respectively) and its mass of fine NIST-1649a on the filter (e.g., 1948 µg).	3 filter
NISTRM8786	NISTRM8785 的空白滤器 Filter blank for NISTRM8785 A unit of NIST-RM 8786 consists of a single production blank filter with a 37 mm diameter	filter
CRM013-50G	漆片 - 微量金属元素 Trace Metals - Paint Chips Certified values Cd 37.8 mg/kg Pb..... 643 mg/kg Cr618 mg/kg	50 g
CRM017-20G	粉末涂料 1 - 微量金属元素 Trace Metals - Powdered Paint 1 From a variety of painted surfaces, with an attempt to be as representative as possible of all the standards received for routine analysis by a laboratory. Certified values Pb 6,870 mg/kg pH 7.8	20 g
CRM920-10G	变压器油 - 多氯联苯 1260 PCB 1260 - Transformer Oil Oil taken from an electrical transformer. The sample was certified by USEPA SW846, 3rd edition Method 3540A/8081 and is suitable for use by these and other similar methods. Certified value Aroclor 1260 35.2 mg/kg	10 g
ERMEC680K	聚乙烯 - 微量元素 (低水平) Polyethylene - Trace elements (low level) Certified values As..... 4.1 mg/kg Cl.....102.2 mg/kg Pb 13.6 mg/kg Br96 mg/kg Cr20.2 mg/kg S 76 mg/kg Cd19.6 mg/kg Hg.....4.64 mg/kg Sb 10.1 mg/kg	100 g
NIST2783	空气微粒在过滤介质中的微量元素 Air particulate on filter media - Trace elements This Standard Reference Material is an air particulate sample reduced in particle size to simulate PM2.5 air particulate matter (particles with an aerodynamic equivalent diameter of 2.5 µm) and deposited on a polycarbonate filter membrane. NIST-2783 included two loaded filters and two blank filters. Certified values Al..... 23210 ng Cu.....404 ng Ni 68 ng As..... 11.8 ng Fe26500 ng Pb 317 ng Ba 335 ng K5280 ng Sb 71.8 ng Ca13200 ng Mg 8620 ng Ti..... 1490 ng Co7.7 ng Mn320 ng V 48.5 ng Cr135 ng Na.....2860 ng Zn..... 1790 ng Indicative values for Ce, Rb, S, Sc, Si, SM, Th, U, W	4 filter

Certipur®和TraceCERT® CRM认证参考物质

可根据您的实验需求稀释至特定的浓度, Certipur® 和TraceCERT® 认证参考标准品最值得您的信赖。

什么是CRM认证参考物质?

ISO Guide 30规定: 认证参考物质的特点是通过可计量的有效程序指定一个或多个属性, 并连同一证书, 提供指定属性的值, 相关的不确定度, 以及计量的可追溯性的声明。

CRM认证参考物质的特点有哪些?

可溯源性、带有不确定度、均匀性、稳定性、特定属性值。

特定属性值: 可以是用作定性, 也可以是定量的 (主要是纯度/浓度), 如果是用作定量用途的标准品 (RM), 其特定属性值, 通常是含量, 必须是一个确切的值, 如含量98.7%。

可溯源性: CRM是可溯源的, 通常溯源到国际权威机构, 如NIST (美国国家标准与技术研究院), 欧洲IRMM (欧洲标准物质与测量研究院), BAM (德国联邦材料测试研究院), PTB (德国联邦物理技术研究院) 等权威机构。

标准品证书要求: 标准品的证书上一般包含需要定值的信息, 如化学物质标准品包括含量等。CRM证书内容不仅需要说明其特定属性值、溯源性、带有的不确定度, 而且必须遵从ISO Guide 31要求。

均匀性: 必须性质均匀, 必须是同一批次生产。CRM的生产及其中包含的有效计量程序, 须遵从ISO Guide 34。



Certipur®		TraceCERT®
阴离子	阳离子	阴离子和阳离子
浓度: 1000 mg/L		
最高的精度和批次稳定性		
		依据 ISO Guide 34生产
ISO/IEC 17025认证实验室分析		
直接溯源至NIST CRMs		至少可溯源至2个独立的参考标准 (NIST, BAM 或 SI unit kg)
* 每个包装中都附有分析报告说明书 (COA), 它包括精确的含量, 成分, 溯源性, 出厂日期和最短保存期等重要信息。		
* 所有的标准溶液使用在 高密度聚乙烯瓶 (HDPE) 瓶储存。除了TraceCERT®汞标准溶液, 使用100毫升的硼硅酸白色玻璃瓶储存。		
* 所有的批次质量证书可以从官网上免费下载: sigma-aldrich.com		

原子吸收AAS元素标准品（浓度：1000 mg/L）

中文名称	元素符号	英文名称	基质	TraceCERT®货号	Certipur®货号
铝	Al	Aluminum	HNO ₃	39435-250ML	1.19770.0100
锑	Sb	Antimony	HNO ₃	94117-250ML	1.70204.0100
砷	As	Arsenic	HNO ₃	39436-250ML	1.19773.0100
钡	Ba	Barium	HNO ₃	90092-250ML	1.19774.0100
铍	Be	Beryllium	HNO ₃	-	1.70207.0100
铋	Bi	Bismuth	HNO ₃	76668-250ML	1.19804.0100
硼	B	Boron	H ₂ O	40591-250ML	1.19500.0100
镉	Cd	Cadmium	HNO ₃	51994-250ML	1.19777.0100
钙	Ca	Calcium	HNO ₃	69349-250ML	1.19778.0100
铈	Ce	Cerium	HNO ₃	53378-250ML	-
铯	Cs	Cesium	HNO ₃	67717-250ML	1.70212.0100
铬	Cr(VI)	Chromium	HNO ₃	02733-250ML	1.19779.0100
钴	Co	Cobalt	HNO ₃	05202-250ML	1.19785.0100
铜	Cu	Copper	HNO ₃	38996-250ML	1.19786.0100
镓	Ga	Gallium	HNO ₃	52874-100ML	-
金	Au	Gold	HCl	08269-250ML	1.70216.0100
铟	In	Indium	HNO ₃	42225-100ML	1.19504.0100
铁	Fe	Iron	HNO ₃	16596-250ML	1.19781.0100
铅	Pb	Lead	HNO ₃	16595-250ML	1.19776.0100
锂	Li	Lithium	HNO ₃	59916-250ML	1.70223.0100
镁	Mg	Magnesium	HNO ₃	42992-250ML	1.19788.0100
锰	Mn	Manganese	HNO ₃	77036-250ML	1.19789.0100
汞	Hg	Mercury	HNO ₃	16482-100ML	1.70226.0100
钼	Mo	Molybdenum	HCl	67210-250ML	1.70227.0100
镍	Ni	Nickel	HNO ₃	42242-250ML	1.19792.0100
钯	Pd	Palladium	HCl	78437-100ML	1.14282.0100
磷	P	Phosphorus	H ₂ O	51474-250ML	-
铂	Pt	Platinum	HCl	47037-100ML	1.70219.0100
钾	K	Potassium	HNO ₃	96665-250ML	1.70230.0100
铑	Rh	Rhodium	HCl	11561-100ML	-
铷	Rb	Rubidium	HNO ₃	55727-100ML	-
钪	Sc	Scandium	HNO ₃	-	1.19513.0100
硒	Se	Selenium	HNO ₃	89498-250ML	1.19796.0100
硅	Si	Silicon	NaOH	16259-250ML	1.70236.0100
银	Ag	Silver	HNO ₃	39361-250ML	1.19797.0100
钠	Na	Sodium	HNO ₃	05201-250ML	1.70238.0100
锶	Sr	Strontium	HNO ₃	51287-250ML	1.19799.0100
硫	S	Sulfur	H ₂ O	18020-250ML	-
铊	Tl	Thallium	HNO ₃	75159-100ML	1.19801.0100
碲	Te	Tellurium	HNO ₃	-	1.19514.0100
钨	W	Tungsten	H ₂ O	-	1.70244.0100
锡	Sn	Tin	HCl	74244-250ML	1.70242.0100
钛	Ti	Titanium	HNO ₃	04689-100ML	1.70243.0100
钒	V	Vanadium	HNO ₃	02334-250ML	1.70245.0100
钇	Y	Yttrium	HNO ₃	-	1.19809.0100
锌	Zn	Zinc	HNO ₃	18827-250ML	1.19806.0100
锆	Zr	Zirconium	HNO ₃ + HF	73574-250ML	1.70234.0100



ICP单元素标准品（浓度：1000 mg/L）

中文名称	元素符号	英文名称	基质	TraceCERT®货号	Certipur®货号
铝	Al	Aluminum	HNO ₃	61935-100ML-F	1.70301.0100
锑	Sb	Antimony	HNO ₃	73495-100ML	1.70302.0100
砷	As	Arsenic	HNO ₃	01969-100ML-F	1.70303.0100
钡	Ba	Barium	HNO ₃	59943-100ML	1.70304.0100
铍	Be	Beryllium	HNO ₃	-	1.70305.0100
铋	Bi	Bismuth	HNO ₃	05719-100ML	-
硼	B	Boron	H ₂ O	01932-100ML	1.70307.0100
镉	Cd	Cadmium	HNO ₃	36379-100ML-F	1.70309.0100
钙	Ca	Calcium	HNO ₃	19051-100ML-F	1.70308.0100
铈	Ce	Cerium	HNO ₃	16734-100ML	1.70311.0100
铯	Cs	Cesium	HNO ₃	96664-100ML	1.70310.0100
铬	Cr(VI)	Chromium	HNO ₃	68131-100ML-F	1.70312.0100
钴	Co	Cobalt	HNO ₃	30329-100ML-F	1.70313.0100
铜	Cu	Copper	HNO ₃	68921-100ML-F	1.70314.0100
镝	Dy	Dysprosium	HNO ₃	-	1.70315.0100
铒	Er	Erbium	HNO ₃	-	1.70316.0100
铕	Eu	Europium	HNO ₃	-	1.70317.0100
钆	Gd	Gadolinium	HNO ₃	-	1.70318.0100
镓	Ga	Gallium	HNO ₃	16639-100ML	1.70319.0100
锗	Ge	Germanium	H ₂ O	-	1.70320.0100
金	Au	Gold	HCl	38168-100ML	1.70321.0100
铪	Hf	Hafnium	HCl	-	1.70322.0100
铥	Ho	Holmium	HNO ₃	-	1.70323.0100
铟	In	Indium	HNO ₃	00734-100ML	1.70324.0100
铱	Ir	Iridium	HCl	-	1.70325.0100
铁	Fe	Iron	HNO ₃	43149-100ML-F	1.70326.0100
铅	Pb	Lead	HNO ₃	41318-100ML-F	1.70328.0100
锂	Li	Lithium	HNO ₃	12292-100ML	1.70329.0100
镧	La	Lanthanum	HNO ₃	-	1.70327.0100
镱	Lu	Lutetium	HNO ₃	-	1.70330.0100
镁	Mg	Magnesium	HNO ₃	30083-100ML-F	1.70331.0100
锰	Mn	Manganese	HNO ₃	74128-100ML	1.70332.0100
汞	Hg	Mercury	HNO ₃	28941-100ML-F	1.70333.0100 ¹⁾
钼	Mo	Molybdenum	HCl	68780-100ML	1.70334.0100
钕	Nd	Neodymium	HNO ₃	-	1.70335.0100
镍	Ni	Nickel	HNO ₃	28944-100ML-F	1.70336.0100
铌	Nb	Niobium	H ₂ O	-	1.70337.0100
锇	Os	Osmium	HCl	-	1.70338.0100
钯	Pd	Palladium	HCl	77091-100ML	1.70339.0100
磷	P	Phosphorus	H ₂ O	38338-100ML	1.70340.0100
铂	Pt	Platinum	HCl	19078-100ML	1.70341.0100
钾	K	Potassium	HNO ₃	06335-100ML	1.70342.0100
镨	Pr	Praseodymium	HNO ₃	-	1.70343.0100
铼	Re	Rhenium	H ₂ O	-	1.70344.0100
铑	Rh	Rhodium	HCl	04736-100ML	1.70345.0100 ²⁾
铷	Rb	Rubidium	HNO ₃	01444-100ML	1.70346.0100
钌	Ru	Ruthenium	HCl	-	1.70347.0100
硒	Se	Selenium	HNO ₃	50002-100ML	1.70350.0100
钐	Sm	Samarium	HNO ₃	-	1.70348.0100
钪	Sc	Scandium	HNO ₃	-	1.70349.0100
硅	Si	Silicon	NaOH	15747-100ML	1.70365.0100
硅	Si	Silicon	HNO ₃ + HF	08729-100ML	-
银	Ag	Silver	HNO ₃	12818-100ML	1.70352.0100
钠	Na	Sodium	HNO ₃	00462-100ML	1.70353.0100
锶	Sr	Strontium	HNO ₃	75267-100ML	1.70354.0100
硫	S	Sulfur	H ₂ O	18021-100ML	1.70355.0100
钽	Ta	Tantalum	H ₂ O	-	1.70356.0100
碲	Te	Tellurium	HNO ₃	-	1.70357.0100
铽	Tb	Terbium	HNO ₃	-	1.70358.0100
钍	Th	Thorium	HNO ₃	-	1.70391.0100 ³⁾
铊	Tl	Thallium	HNO ₃	51873-100ML	1.70359.0100
铥	Tm	Thulium	HNO ₃	-	1.70361.0100
锡	Sn	Tin	HCl	92615-100ML	1.70362.0100

中文名称	元素符号	英文名称	基质	TraceCERT®货号	Certipur®货号
钛	Ti	Titanium	HNO ₃	12237-100ML	1.70363.0100
钨	W	Tungsten	H ₂ O	-	1.70364.0100
钒	V	Vanadium	HNO ₃	18399-100ML	1.70366.0100
镱	Vb	Ytterbium	HNO ₃	-	1.70367.0100
钇	Y	Yttrium	HNO ₃	-	1.70368.0100
锌	Zn	Zinc	HNO ₃	18562-100ML-F	1.70369.0100
锆	Zr	Zirconium	HNO ₃ + HF	51244-100ML	1.70370.0100
铀	U	Uranium	HNO ₃	-	1.70360.0100 ⁴⁾

备注：1) 浓度10mg/l的订货号：1.08623.0100, 2) 浓度10mg/l的订货号：1.08525.0100, 3) 浓度：10mg/l, 4) 浓度：10mg/l

更多详情，请扫描二维码，立即获取元素分析解决方案！



离子色谱(IC)标准溶液(单元素、多元素)

我们可提供多种离子色谱单元素和多元素标准溶液。所有这些标液可直接溯源至NIST的标准参考物质，浓度均为1000mg/L，包装在高密度聚乙烯瓶(HDPE)中。严格控制杂质含量 阳离子色谱标液，控制指标多达13种；阴离子色谱标液，多达7种。

阴离子色谱标液（单元素,浓度：1000 mg/L）

中文名称	元素符号	英文名称	基质	TraceCERT®货号	Certipur®货号
溴	Br ⁻	Bromide	H ₂ O	43147-100ML	1.19896.0500
氯	Cl ⁻	Chloride	H ₂ O	39883-100ML	1.19897.0500
铬	CrO ₄ ²⁻	Chromate	H ₂ O	40121-100ML	1.19780.0500
氰	CN ⁻	Cyanide	H ₂ O	90157-100ML	1.19533.0500
氟	F ⁻	Fluoride	H ₂ O	77365-100ML	1.19814.0500
碘	I ⁻	Iodide	H ₂ O	41271-100ML	-
硝酸根	NO ₃ ⁻	Nitrate	H ₂ O	74246-100ML	1.19811.0500
亚硝酸根	NO ₂ ⁻	Nitrite	H ₂ O	67276-100ML	1.19899.0500
磷酸根	PO ₄ ³⁻	Phosphate	H ₂ O	38364-100ML	1.19898.0500
硫酸根	SO ₄ ²⁻	Sulfate	H ₂ O	90071-100ML	1.19813.0500

阳离子色谱标液（单元素,浓度：1000 mg/L）

中文名称	元素符号	英文名称	基质	TraceCERT®货号	Certipur®货号
氨根	NH ₄ ⁺	Ammonium	H ₂ O	59755-100ML	1.19812.0500
钡	Ba ²⁺	Barium	HNO ₃	87142-100ML	-
镉	Cd ²⁺	Cadmium	HNO ₃	69679-100ML	-
钙	Ca ²⁺	Calcium	HNO ₃	39865-100ML	-
钴	Co ²⁺	Cobalt	HNO ₃	49594-100ML	-
铜	Cu ²⁺	Copper	HNO ₃	40786-100ML	-
铅	Pb ²⁺	Lead	HNO ₃	51777-100ML	-
锂	Li ⁺	Lithium	HNO ₃	59878-100ML	-
镁	Mg ²⁺	Magnesium	HNO ₃	89441-100ML	-
锰	Mn ²⁺	Manganese	HNO ₃	51439-100ML	-
镍	Ni ²⁺	Nickel	HNO ₃	42637-100ML	-
钾	K ⁺	Potassium	H ₂ O	53337-100ML	-
钠	Na ⁺	Sodium	H ₂ O	43492-100ML	1.19507.0500
锶	Sr ²⁺	Strontium	HNO ₃	42151-100ML	-
锌	Zn ²⁺	Zinc	HNO ₃	67902-100ML	-

离子色谱(IC)多元素混标

阳离子混标

中文名称	组分	包装	TraceCERT®货号	Certipur®货号
阳离子多元素标液, 10.0mg/kg溶于HCl	Li, Na, K, Mg, Ca	50 ml	89316-50ML-F	-
IC 多元素混标 VII, 100 mg/l溶于0.001 mol/l HNO ₃	Li, Na, K, NH ₄ , Mn, Ca, Mg, Sr, Ba	100 ml	-	1.10322.0100
IC 多元素混标 VI, 10 mg/l: NH ₄ / 50 mg/l: K /100 mg/l: Na, Ca, Mg, 溶于0.01 mol/l HNO ₃	NH ₄ , K, Na, Ca, Mg	100 ml	-	1.09036.0100

阴离子混标

中文名称	组分	包装	TraceCERT®货号	Certipur®货号
阴离子多元素标液, 10.0mg/kg溶于H ₂ O	F, Cl, Br, NO ₃ , PO ₄ , SO ₄	50 ml	89886-50ML-F	-
阴离子多元素标液, 1000mg/l溶于H ₂ O	F, Br, PO ₄	500ml	-	1.11437.0500
阴离子多元素标液, 1000mg/l溶于H ₂ O	Cl, NO ₃ , SO ₄	500ml	-	1.11448.0500
IC multi-element standard I, 100 mg/l: F / 250 mg/l: Cl / 500 mg/l: NO ₃ /500 mg/l: SO ₄ / 1000 mg/l: PO ₄ , 溶于H ₂ O	F, Cl, NO ₃ , SO ₄ , PO ₄	500ml	-	1.70398.0500
IC multi-element standard V, 10 mg/l: F, Br / 50 mg/l: NO ₃ , PO ₄ /100 mg/l: Cl / 200 mg/l: SO ₄ , 溶于H ₂ O	F, Br, NO ₃ , PO ₄ , Cl, SO ₄	100ml	-	1.09032.0100

更多详情，请扫描二维码，立即获取实验室湿（传统）化学分析方法解决方案！



Spectroquant® 即开即用型水和废水分析CRM认证参考物质

- 可溯源至NIST或USP国际标准，全球认可
- 即开即用型，无需额外稀释工作
- 免费提供COA 证书以及标准品的不确定度
- 高性价比，可室温保存
- 有效期通常在24个月以上
- 适用于所有分光光度法或其他检测技术的水质分析应用

中文名称	浓度	不确定度	订货号
铝	0.0500 mg/l Al	± 0.0020 mg/l Al	1.32226.0100
铝	0.200 mg/l Al	± 0.006 mg/l Al	1.32225.0100
氨氮	0.250 mg/l NH ₄	± 0.011 mg/l NH ₄	1.32227.0100
氨氮	0.400 mg/l NH ₄ -N	± 0.012 mg/l NH ₄ -N	1.25022.0100
氨氮	1.00 mg/l NH ₄ -N	± 0.04 mg/l NH ₄ -N	1.25023.0100
氨氮	2.00 mg/l NH ₄ -N	± 0.07 mg/l NH ₄ -N	1.25024.0100
氨氮	6.00 mg/l NH ₄ -N	± 0.13 mg/l NH ₄ -N	1.25025.0100
氨氮	12.0 mg/l NH ₄ -N	± 0.4 mg/l NH ₄ -N	1.25026.0100
氨氮	50.0 mg/l NH ₄ -N	± 1.2 mg/l NH ₄ -N	1.25027.0100
砷	1.00 mg/l As	± 0.05 mg/l As	1.33002.0250 ¹⁾²⁾
硼	1.00 mg/l B	± 0.06 mg/l B	1.33005.0100
溴酸盐	0.0100 mg/l BrO ₃	± 0.0006 mg/l BrO ₃	1.33006.0100
溴酸盐	0.1000 mg/l BrO ₃	± 0.0040 mg/l BrO ₃	1.33007.0100
镉	0.00500 mg/l Cd	± 0.00020 mg/l Cd	1.33008.0100 ¹⁾
镉	0.100 mg/l Cd	± 0.003 mg/l Cd	1.32228.0100
氯化物	10.0 mg/l Cl	± 0.5 mg/l Cl	1.32229.0100
氯化物	0.100 mg/l Cl	± 0.006 mg/l Cl	1.33009.0100
氯化物	1.00 mg/l Cl	± 0.04 mg/l Cl	1.33010.0100

中文名称	浓度	不确定度	订货号
氯化物	2.50 mg/l Cl	± 0.08 mg/l Cl	1.33011.0100
氯化物	50 mg/l Cl	± 3 mg/l Cl	1.32230.0100
氯化物	250 mg/l Cl	± 8 mg/l Cl	1.32231.0100
铬	0.050 mg/L Cr(VI)	± 0.002 mg/L Cr(VI)	1.33012.0100
铬	1.00 mg/L Cr(VI)	± 0.03 mg/L Cr(VI)	1.33013.0100
COD化学需氧量	20.0 mg/l	± 0.7 mg/l	1.25028.0100
COD化学需氧量	100 mg/l	± 3 mg/l	1.25029.0100
COD化学需氧量	200 mg/l	± 4 mg/l	1.25030.0100
COD化学需氧量	400 mg/l	± 5 mg/l	1.25031.0100
COD化学需氧量	1000 mg/l	± 11 mg/l	1.25032.0100
COD化学需氧量	2000 mg/l	± 32 mg/l	1.25033.0100
COD化学需氧量	8000 mg/l	± 68 mg/l	1.25034.0100
COD化学需氧量	50000 mg/l	± 894 mg/l	1.25035.0100
氟化物	0.200 mg/l F	± 0.012 mg/l F	1.32234.0100
氟化物	0.50 mg/l F	± 0.02 mg/l F	1.32233.0100
氟化物	1.00 mg/l F	± 0.03 mg/l F	1.32235.0100
氟化物	1.50 mg/l F	± 0.04 mg/l F	1.32236.0100
铁	0.0500 mg/L Fe	± 0.0015 mg/L Fe	1.33014.0100 ¹⁾

中文名称	浓度	不确定度	订货号
铁	0.1000 mg/L Fe	± 0.0030 mg/L Fe	1.33018.0100 ¹⁾
铁	0.300 mg/L Fe	± 0.009 mg/L Fe	1.33019.0100 ¹⁾
铁	1.00 mg/L Fe	± 0.04 mg/L Fe	1.33020.0100 ¹⁾
铅	0.0500 mg/L Pb	± 0.0040 mg/L Pb	1.33003.0100 ¹⁾
铅	0.100 mg/L Pb	± 0.005 mg/L Pb	1.33004.0100 ¹⁾
锰	0.050 mg/L Mn	± 0.004 mg/L Mn	1.32237.0100
锰	0.200 mg/L Mn	± 0.005 mg/L Mn	1.32238.0100
锰	1.00 mg/L Mn	± 0.03 mg/L Mn	1.32239.0100
硝酸盐	1.00 mg/l NO ₃	± 0.03 mg/l NO ₃	1.32240.0100
硝酸盐	10.0 mg/l NO ₃	± 0.3 mg/l NO ₃	1.32241.0100
硝酸盐	50.0 mg/l NO ₃	± 2.0 mg/l NO ₃	1.32242.0100
硝酸盐	0.50 mg/l NO ₃ -N	± 0.05 mg/l NO ₃ -N	1.25036.0100
硝酸盐	2.50 mg/l NO ₃ -N	± 0.06 mg/l NO ₃ -N	1.25037.0100
硝酸盐	15.0 mg/l NO ₃ -N	± 0.4 mg/l NO ₃ -N	1.25038.0100
硝酸盐	40.0 mg/l NO ₃ -N	± 1 mg/l NO ₃ -N	1.25039.0100
硝酸盐	200 mg/l NO ₃ -N	± 5 mg/l NO ₃ -N	1.25040.0100
亚硝酸盐	0.0100 mg/L NO ₂	± 0.0012 mg/L NO ₂	1.33021.0100 ³⁾
亚硝酸盐	0.200 mg/l NO ₂ -N	± 0.009 mg/l NO ₂ -N	1.25041.0100
亚硝酸盐	40.0 mg/l NO ₂ -N	± 1.3 mg/l NO ₂ -N	1.25042.0100
总氮	2.50 mg/l N	± 0.06 mg/l N	1.25043.0100
总氮	12.0 mg/l N	± 0.3 mg/l N	1.25044.0100
总氮	100 mg/l N	± 3 mg/l N	1.25045.0100
磷酸盐	0.400 mg/l PO ₄ -P	± 0.016 mg/l PO ₄ -P	1.25046.0100

备注: 1) 100ml in HNO₃, 2)250ml 包装, 3)100ml in NaOH, 4)溯源至USP

中文名称	浓度	不确定度	订货号
磷酸盐	4.00 mg/l PO ₄ -P	± 0.08 mg/l PO ₄ -P	1.25047.0100
磷酸盐	15.0 mg/l PO ₄ -P	± 0.4 mg/l PO ₄ -P	1.25048.0100
磷酸盐	75.0 mg/l PO ₄ -P	± 1.6 mg/l PO ₄ -P	1.25049.0100
硅酸盐	0.1000 mg/l SiO ₂	± 0.0040 mg/l SiO ₂	1.32244.0100
硅酸盐	0.500 mg/l SiO ₂	± 0.025 mg/l SiO ₂	1.32243.0100
硅酸盐	1.000 mg/l SiO ₂	± 0.030 mg/l SiO ₂	1.32245.0100
硫酸盐	40 mg/l SO ₄	± 6 mg/l SO ₄	1.25050.0100
硫酸盐	125 mg/l SO ₄	± 6 mg/l SO ₄	1.25051.0100
硫酸盐	400 mg/l SO ₄	± 20 mg/l SO ₄	1.25052.0100
硫酸盐	800 mg/l SO ₄	± 27 mg/l SO ₄	1.25053.0100
非离子	1.00 mg/L	± 0.16 mg/L	1.33022.0100 ⁴⁾
表面活性剂	Triton®X-100	Triton® X-100	
非离子	5.00 mg/L	± 0.30 mg/L	1.33023.0100 ⁴⁾
表面活性剂	Triton® X-100	Triton® X-100	
非离子	10.00 mg/L	± 0.60 mg/L	1.33024.0100 ⁴⁾
表面活性剂	Triton® X-100	Triton® X-100	
TOC总有机碳	5.00 mg/l TOC	± 0.10 mg/l TOC	1.32246.0100
TOC总有机碳	10.0 mg/l TOC	± 0.2 mg/l TOC	1.32247.0100
TOC总有机碳	25.0 mg/l TOC	± 0.5 mg/l TOC	1.32248.0100
TOC总有机碳	50.0 mg/l TOC	± 1.0 mg/l TOC	1.32249.0100
TOC总有机碳	100 mg/l TOC	± 2 mg/l TOC	1.32251.0100
TOC总有机碳	200 mg/l TOC	± 4 mg/l TOC	1.32252.0100
TOC总有机碳	500 mg/l TOC	± 10 mg/l TOC	1.32253.0100



实验室能力验证解决方案

确保您得到精准的测试结果

在竞争激烈的市场中，如何确保实验室结果的准确度和精确度至关重要。权威机构认证是实验室分析能力的一大保证。而实验室能力验证则是其中最为重要的环节之一，一般需要使用认证参考物质 (CRM) 或能力验证 (PT) 样品进行分析测试。



默克实验室能力验证解决方案

20多年来，我们一直致力于开展环境实验室能力验证计划，也称为实验室绩效评估 (PE)，每年我们将2万多个PT样品本发往全球2,500多个实验室。我们的环境实验室能力验证计划通过ANAB认证，符合ISO/IEC 17043:2010标准 (证书编号AP-1469) 并得到全球所有权威认证机构的认可。PT计划涵盖以下测试领域：

- 废水（包括地表水、排放水和海水）（WP）
- 生活饮用水（WS）
- 土壤污染/土壤详查（LPTP / UST）
- 空气质量和大气排放物（AIR）
- 微生物 PT（MIC）

产品优势

水:

- **选择广泛** – 默克大多数水的PT样品以浓缩液或整体包装即用型的产品，这使得使用者能够灵活选择符合其实际需求的样品。
- **基质改进剂** – 特定的水基质改进剂可用于硬水、废水和海水，从而应用于模拟真实的水样。
- **水的PT样品 (仅限浓缩液)** – 这些样品通常会提供两份，以便在实验发生问题时能够使用备用样品，满足质量控制需求，或则采用多种方法进行分析。

固体:

- 我们土壤的PT样品与真实的土壤一样，除非别无选择，否则不会简单的在空白土壤上加标。

产品供应范围:

- CRM认证参考物质和PT样品 - 对于每个PT样品，我们都有对应的CRM可提供。
- Quick-Turn实验 - 我们拥有广泛的分销网络，可以根据需要提供Quick-Turn解决方案。Quick-Turn实验无需任何额外管理成本，可以根据需要随时使用。

报告:

- 灵活的报告形式 – 对相同的分析物，可以使用多种方法以及请多位实验人员进行分析，无需额外费用。
- 第三方报告 – 评估报告可以发送给授权的第三方，无需额外费用。
- 在线报告 – 将实验结果上传至我们安全的网站上，并可通过网站查看和下载所有PT文档。

能力验证产品概述

	金属和无机物	有机物	气体	物理性质
生活饮用水 (WS)	•	•		•
废水	•	•		•
土壤和固体废物	•	•		
大气	•	•	•	
微生物		•		

PT实验计划和Quick Turn实验

PT实验计划

借助我们的PT计划确保您的实验室能维持较高的检测/校准水平,是评价实验室出具的数据、报告的准确性、可靠性、客观性的重要依据;可发现、识别实验室自身存在的问题,为实验室制定相应的补救措施和从事内审、管理评审活动提供依据。如欲了解当前PT实验计划及在线浏览我们的产品,请访问

SigmaAldrich.com/PT

Quick Turn实验

当您需要在短时间内执行能力验证时,Quick-Turn PT能力验证流程适用于大部分的样品组合。Quick Turn PT样品与PT计划样品的价格相同。

在大多数情况下,实验室通常可以将这些样品用于:

- 支持验证新方法
- 作为纠正措施的工具
- 展示实验室分析能力
- 培训新的实验室人员

您知道吗?

我们很大一部分PT样品都是一式两份供应,并且无需额外费用!我们也可以提供匹配的QC样品来对您的PT进行补充。

您可以访问**SigmaAldrich.com/pt**查看常见问题解答,或通过**PTservice@sial.com**联系您当地的技术支持。

Quick-Turn实验的流程:

1. 根据您的需要和要求,找到Quick-Turn的PT样品。
2. 迅速配送PT样品。
3. 从发货之日起至完成分析,共需要45天。
4. 如果您在早于45天时完成分析,请将测试结果提交给我们。PT实验将于您提交结果当天结束。
5. 数据提交后48小时内,您将收到您的评估报告。

实验室能力验证项目包括:

- 水/废水
- 市政供水/生活饮用水
- 固体/土壤危险废弃物PTs
- 微生物
- 大气

请随时咨询我们!

如果您的实验室缺少特定的PT样品,请联系我们。我们可以帮您修改现有的PT样品,或协助您将其添加到您的PT样品样本组合中。

请通过**PTservice@sial.com**与我们联系

水质分析实验室能力验证

有机物，无机物

市政供水 - 低水平 (WS)

	金属和无机物	有机物	物理性质	
WS	阴离子表面活性剂（MBAS）	己二酸	二恶英/敌草快	pH值
	阴离子	杀虫剂	百草枯	酸度
	溴酸盐和溴化物	草藻灭 草甘膦	二溴乙烷（EDB）	浊度
	氯酸盐和亚氯酸盐	双溴氯丙烷（DBCP）	汽油添加剂	色度
	六价铬	除草剂	有机消毒副产物	需氧量
	氰化物（总量）	多氯联苯同类物（PCBs）	挥发性有机化合物（VOC）	腐蚀性金属/钠
	余氯（RFC）	总有机碳（TOC）	三卤甲烷	
	二氧化硅	邻苯二甲酸酯		
	痕量金属			

水污染 - 中到高水平 (WP)

	金属和无机物	有机物	物理性质
WP	阴离子表面活性剂 (MBAS) 阴离子 六价铬 营养成分 氰化物 需氧量 矿物质 酚类 残留物 固体 硫化物 (总量和可溶性的) 痕量金属 (总量和可溶性的)	酸性化合物 柴油和汽油, 可回收石油烃总量 多环芳烃同类物 (PAHs) 挥发性有机化合物 (VOC) 碱/中性化合物 (BNA) 有机磷和有机氯杀虫剂 多氯联苯同类物 (PCBs)	pH (包括在海水中) 酸度 浊度 色度 挥发性残留物/固体残留物 固体 气味 单宁和木质素

基质改进剂

我们可提供一系列基质改进剂, 以使之符合当地的水质特征。这些特定的水样基质改进剂可以与样品结合使用, 协助您在PT实验中模拟您每天所分析的真实水样。

这些基质改进剂适用于大多数现有的PT和QC质控样, 从而可以将样品基质设置为以下任何级别:

- 100 mg/L CaCO₃中硬水
- 200 mg/L CaCO₃硬水
- 400 mg/L CaCO₃特硬水

其他基质改进剂:

- “废水”模拟典型的有色度的水和含颗粒物的污水
- “盐水”模拟海水或河口水域

废水可与任何硬水改进剂一起使用。此外, 废水和盐水可以合并使用。

每种改进剂都以浓缩液的包装提供; 10毫升浓缩液可制备1升基质水, 然后用它来组成所选择的PT样品或QC质控样。下面的数据标准表说明了与基质不相容的分析物。

硬度	mg/L或ppm 钙离子	mg/L或ppm 碳酸钙	英国标准	法国标准	德国标准	美国标准	每公升毫当量
软	<30	<75	<5.25	<7.5	<4.2	<4.5	<1.5
中硬	30-60	75-150	5.25-10.5	7.5-15	4.2-8.4	4.5-9	1.5-3
硬	60-120	150-300	10.5-21	15-30	8.4-16.8	9.0-18	3-6
特硬	>120	>300	>21	>30	>16.8	>18	>6

土壤和固体废物实验室能力验证

有机物，无机物

	金属和无机物	有机物	物理性质
土壤和固体废物	阴离子 六价铬 氰化物 金属（土壤和污泥） 营养成分	壤质沙土（BNA） 单环芳烃类质（BTEx）/甲基叔丁基醚（MTBE） 杀虫剂和除草剂 柴油，汽油 总石油烃（TPH）/乙二醇苯醚（EPH）（带状和衍生）* HPLC测定多环芳烃（低浓度） 多氯联苯同类物（PCBs） 多氯联苯（PCB） 挥发性有机物分析（VOA）	腐蚀性 闪点 热值 氧化剂筛查 反应性 土壤中的固体 比重

*我们的能力验证产品组合中还包括一系列独特的天然基质样品，其中包含与地下储罐污染和燃料泄漏相关的碳氢化合物。

我们是生产真实土壤和沉积物PT产品的全球领导者。我们的产品包含真实的天然基质，其中选定的分析物已经强化，并且可以提供满足实验室需求的分析产品解决方案。

二恶英和多氯联苯（PCB）样品制备系统

Supelco®样品制备系统设计具有以下特点：

- 溶剂使用量减少
- 样品制备时间缩短（相对于传统方法减少两天）
- 提取回收率超过85%

如欲获知在该应用领域中二恶英样品制备系统及相关产品的更多详情，或索取“二恶英和多氯联苯（PCB）分析”手册，请访问SigmaAldrich.com/diodio

固相微萃取（SPME）

在环境和生物基质样品分析领域，SPME已经获得广泛认可，并成为许多应用（包括气味、芳香剂、法医学和毒理学）的首选技术。

请通过SigmaAldrich.com/spme申请您的应用光盘

固相萃取（SPE）

SPE为HPLC和GC的精确定量分析提供所需的样品纯化、回收和浓缩解决方案。我们提供的多种化学固定相能够填充到各种装置中，例如玻璃管、96孔板、制备型SPE布氏漏斗和分散型SPE布氏漏斗等，并且可以使用专用的防交叉污染固相萃取装置进行样品前处理。

SigmaAldrich.com/spe



微生物学实验室能力验证

	市政供水	水污染		土壤/固体
微生物学	铜绿假单胞菌 真菌和酵母 大肠杆菌 沙门氏菌 标准板数 链球菌/肠球菌	总粪便链球菌 肠球菌 链球菌/肠球菌 产气荚膜梭菌	标准板数 李斯特菌 军团杆菌 大肠杆菌	大肠杆菌 沙门氏菌

这些微生物PT样品设计适用于所有的最大可能数法（MPN）和膜过滤（MF）程序。为了保持完整性，所有PT和QC样品都采用冷链包装。

我们的微生物PT样品采用获专利的Vitroid™技术。这项技术可以稳定微生物，并在耐温性、复水时间和膜的再现性方面提供额外优势。此外，每个膜片都根据ISO Guide 34和ISO 17025标准进行了认证。

不同于他微生物样品，基于Vitroid™的产品具有以下优点：

- 更高的长期稳定性
- 高生物活力
- 无恢复或预培养时间

Vitroids™是小而高度可溶的纸片，可以轻易在实验步骤中实施，并且很少甚至不需修改。

我们所有的微生物PT产品也可作为水和土PT的一部分。

请咨询您当地的默克办事处了解供货情况。



Microbiology Focus

Microbiology Focus通讯包含科技论文、新应用、背景信息和最新产品。
 您可以在[SigmaAldrich.com/microbiology](https://www.sigmaaldrich.com/microbiology)查看或订阅此通讯

大气能力测试

	金属和无机物	有机物	气体	物理性质
大气	Method 29 - 冲击式采样器中的金属 - 滤纸上的金属 - 滤纸上的汞 - 冲击式采样器中的汞 Method 13, 14 - 滤纸上的阴离子 - 冲击式采样器中的氟化物 Method 12 - 滤纸上的铅 - 冲击式采样器中的铅 Method 8 - 冲击式采样器中的硫酸 Method 26 - 冲击式采样器中的盐酸/卤化物/卤素 Method 61/7199 - 冲击式采样器中的六价铬	Method TO-4, TO-10A - PUF采样器中的多氯联苯 (PCB) - PUF采样器中的磷酸八钙 (OCP) Method TO-13A - PUF采样器中的多环芳烃 (PAH) Method 0010 - PUF采样器或吸附剂管中的半挥发性物质 Method TO-11A - 吸附剂中的醛/酮	Method 6 - 冲击式采样器中的二氧化硫 Method 7 - 氮氧化物 - 冲击式采样器中的氮氧化物	Method 5 - 冲击式采样器中的悬浮微粒 - 滤纸上的悬浮微粒

空气质量和排放能力验证样品

我们的空气质量和排放能力验证样品用于与常用空气测试方法结合使用，适用于各种样品基质，包括：

- 冲击式采样器
- 滤纸
- PUF采样套筒
- 空气罐（取决于法规要求）
- 吸收管

索取免费的Supelco®空气监测产品手册

- 关于我们的空气采样产品线的最新信息
- Radiello®被动采样器
- 用于同时测量臭氧和醛类化合物的BPE / DNPH产品



PT能力验证注册

如果您计划在不久之后使用RTC产品用于实验室能力验证，马上可以准备开始了。立即注册您的实验室详细信息，以便浏览我们的PT报告网站。

新建能力验证账户

如需设置您的PT能力验证账户，请登录**pt.sigmainformatics.com**，并在网页的底端点击“新建账户”。在您的实验室注册成功后即可添加其他信息。

轻松取得报告

- 您最近的实验主要集中在您的个性化的网页上，点击“Studies”。
- 实时更新重要的实验日期，剩余的报告时间和实验状态信息。

在线动态帮助

您有问题？点击帮助图标查看特定内容的问题和答案。

此外，我们还有视频教程，帮助您掌握PT报告。

如需要进一步的帮助，请联系我们的PT专家团队：**PTservice@sial.com**。

更多详情，请扫描二维码，获取PT能力验证解决方案！



sigma-aldrich.com/pt



环境行业常用试剂&耗材产品等

气相色谱GC溶剂类产品

订货号	中文名称	描述	包装
1.06054.1000	GC 二氯甲烷	含有2-甲基-2-丁烯稳定剂	1L
1.06054.4000	GC 二氯甲烷	含有2-甲基-2-丁烯稳定剂	4L
1.00399.1000	GC N,N-二甲基乙酰胺	SupraSolv® 适用于顶空进样 headspace gas chromatography	1L
1.00202.1000	GC N,N-二甲基甲酰胺	SupraSolv® 适用于顶空进样 headspace gas chromatography	1L
1.01900.1000	GC 二甲亚砜	SupraSolv® 适用于顶空进样 headspace gas chromatography	1L
1.02695.1000	GC 苯甲醇	SupraSolv® 适用于顶空进样 headspace gas chromatography	1L
1.02695.2500	GC 苯甲醇	SupraSolv® 适用于顶空进样 headspace gas chromatography	2.5L
1.00658.1000	GC/MS 丙酮	SupraSolv® 适用于GC/MS	1L
1.00665.1000	GC/MS 乙腈	SupraSolv® 适用于GC/MS	1L
1.00667.1000	GC/MS 环己烷	SupraSolv® 适用于GC/MS	1L
1.00789.1000	GC/MS 乙酸乙酯	SupraSolv® 适用于GC/MS	1L
1.00795.1000	GC/MS 正己烷	SupraSolv® 适用于GC/MS	1L
1.00837.1000	GC/MS 甲醇	SupraSolv® 适用于GC/MS	1L
1.00849.1000	GC/MS 甲苯	SupraSolv® 适用于GC/MS	1L
1.03702.1000	GC/MS 水	SupraSolv® 适用于GC/MS	1L
1.00012.4008	GC 丙酮	SupraSolv® 适用于 ECD和FID检测器	4L
1.02817.2500	GC 环己烷	SupraSolv® 适用于 ECD和FID检测器	2.5L
1.02817.4000	GC 环己烷	SupraSolv® 适用于 ECD和FID检测器	4L
1.10972.2500	GC 乙酸乙酯	SupraSolv® 适用于 ECD和FID检测器	2.5L
1.10972.4000	GC 乙酸乙酯	SupraSolv® 适用于 ECD和FID检测器	4L
1.15440.2500	GC 异辛烷	SupraSolv® 适用于 ECD和FID检测器	2.5L
1.04371.4000	GC 正己烷	SupraSolv® 适用于 ECD和FID检测器	4L
1.10983.2500	GC N,N-二甲基甲酰胺	SupraSolv® 适用于 ECD和FID检测器	2.5L
1.01772.4000	GC 石油醚 (沸程 40-60°C)	SupraSolv® 适用于 ECD和FID检测器	4L
1.08389.4008	GC 甲苯	SupraSolv® 适用于 ECD和FID检测器	4L

更多详情，立即请扫描二维码，获取有机分析解决方案！



分析样品前处理&过滤产品

针式过滤器

订货号	中文名称	描述	包装
SLHV033NK	PVDF针式过滤器	Millex, PVDF, 33mm, 0.45um, 针式过滤器	1000pk
SLGV033NK	PVDF针式过滤器	Millex, PVDF, 33mm, 0.22um, 针式过滤器	1000pk
SLHVX13NK	PVDF针式过滤器	Millex, PVDF, 13mm, 0.45um, 针式过滤器	1000pk
SLGVX13NK	PVDF针式过滤器	Millex, PVDF, 13mm, 0.22um, 针式过滤器	1000pk
SLHN033NK	Nylon针式过滤器	Millex, Nylon, 33mm, 0.45um, 针式过滤器	1000pk
SLGN033NK	Nylon针式过滤器	Millex, Nylon, 33mm, 0.22um, 针式过滤器	1000pk
SLHNX13NK	Nylon针式过滤器	Millex, Nylon, 13mm, 0.45um, 针式过滤器	1000pk
SLGNX13NK	Nylon针式过滤器	Millex, Nylon, 13mm, 0.22um, 针式过滤器	1000pk
SLLGX13NK	PTFE针式过滤器	Millex, PTFE, 13mm, 0.22um, 针式过滤器	1000pk
SLCRX13NK	PTFE针式过滤器	Millex, PTFE, 13mm, 0.45um, 针式过滤器	1000pk

圆片过滤膜

订货号	中文名称	描述	包装
HAWP04700	MCE圆片过滤膜	亲水性 MCE 0.45UM, 47MM, 圆片过滤膜	100pk
GSWP04700	MCE圆片过滤膜	亲水性 MCE 0.22UM, 47MM, 圆片过滤膜	100pk
GVWP04700	PVDF圆片过滤膜	亲水性 PVDF 0.22UM, 47MM, 圆片过滤膜	100pk
HVLP04700	PVDF圆片过滤膜	亲水性 PVDF 0.45UM, 47MM, 圆片过滤膜	100pk
GVHP04700	PVDF圆片过滤膜	疏水性 PVDF 0.22UM, 47MM, 圆片过滤膜	100pk
HVHP04700	PVDF圆片过滤膜	疏水性 PVDF 0.45UM, 47MM, 圆片过滤膜	100pk
JGWP04700	PTFE圆片过滤膜	亲水性 PTFE 0.22UM, 47MM, 圆片过滤膜	100pk
JHWP04700	PTFE圆片过滤膜	亲水性 PTFE 0.45UM, 47MM, 圆片过滤膜	100pk
FGLP04700	PTFE圆片过滤膜	疏水性 PTFE 0.22UM, 47MM, 圆片过滤膜	100pk
FHLP04700	PTFE圆片过滤膜	疏水性 PTFE 0.45UM, 47MM, 圆片过滤膜	100pk
HNWP04700	Nylon圆片过滤膜	亲水性 Nylon 0.45UM, 47MM, 圆片过滤膜	100pk
GNWP04700	Nylon圆片过滤膜	亲水性 Nylon 0.22UM, 47MM, 圆片过滤膜	100pk

全玻璃换膜过滤系统

订货号	中文名称	描述	包装
XX1504700	全玻璃换膜过滤系统	全玻璃换膜过滤系统, 适用47mm滤膜	1pk
XX1604700	MilliSolve过滤系统	MilliSolve过滤系统, 适用47mm滤膜	1pk
WP6122050	真空泵	化学真空泵	1pk

环境空气监测用膜

订货号	中文名称	描述	包装
PM2547050	PM2.5圆片过滤膜	PM2.5圆片过滤膜, PTFE, 47mm, 带支撑环和序列号	50pk
AP2004700	玻璃纤维过滤膜	玻璃纤维过滤膜, 47mm	100pk
AQFA04700	石英过滤膜	石英过滤膜, 47mm, 不含粘合剂	100pk
LSWP04700	预过滤膜	预过滤膜, PTFE, 5.0UM, 47mm	100pk

TCLP固体废物浸出毒性过滤系统

订货号	中文名称	描述	包装
YT30090HW	ZHE零顶空过滤系统	ZHE零顶空过滤系统	1pk
YT310RAHW	TCLP旋转震荡器	TCLP旋转震荡器	1pk
XX6700P05	压力罐,	压力罐, 5L	1pk
YT30142HW	有害废物过滤系统	有害废物过滤系统, 142mm	1pk

实验室&便携式多参数水质分析仪器/耗材类产品

订货号	中文名称	描述	包装
1.73018.0002	Prove600实验室多参数水质分析仪	内置180多条水与废水标准分析曲线和应用 (涵盖COD, 氨氮, 总磷, 总氮等国家重点控制指标)	1EA
Y112320001	Prove600基础服务合同	包含仪器的性能检查、软件升级、日常维护等	1EA
1.73632.0001	Move100便携式多参数水质分析仪	内置100多条水与废水标准分析曲线和应用 (涵盖COD, 氨氮, 总磷, 总氮等国家重点控制指标)	1EA
1.73633.0001	Move100数据传输设备	用于将Move100的测试结果红外传输至电脑或打印机	1EA
1.19302.0001	Move100吸光度验证溶液	6瓶标准溶液, 用于检测仪器在波长430nm, 530nm, 560nm, 580nm, 610nm, 660nm的吸光度	1EA

Prove&Move100 常用的配套水质分析预制试剂盒（Live ID二维码创新技术）

订货号	中文名称	描述	包装
1.14540.0001	COD预装管测试盒	测试范围:10-150 mg/l	25支/盒
1.14541.0001	COD预装管测试盒	测试范围:25-1500 mg/l	25支/盒
1.14555.0001	COD预装管测试盒	测试范围:500-10000 mg/l	25支/盒
1.01797.0001	COD预装管测试盒	测试范围:5000-90000 mg/l	25支/盒
1.14739.0001	氨氮预装管测试盒	测试范围:0.01-2 mg/l	25支/盒
1.14558.0001	氨氮预装管测试盒	测试范围:0.2-8.0 mg/l	25支/盒
1.14559.0001	氨氮预装管测试盒	测试范围:4.0-80 mg/l	25支/盒
1.14543.0001	磷酸盐/总磷预装管测试盒	测试范围:0.05-5 mg/l	25支/盒
1.14729.0001	磷酸盐/总磷预装管测试盒	测试范围:0.5-25.0 mg/l	25支/盒
1.00673.0001	磷酸盐/总磷预装管测试盒	测试范围:3.0-100 mg/l	25支/盒
1.71202.0001	TR620加热消解器	用于COD、TOC、总磷、总氮等样品消解	1EA
1.18324.0001	1100便携式浊度仪	LED红外光源, 测试范围:0.01-1100 NTU	1EA
1.18335.0001	1100便携式浊度仪配套标准溶液套装	0.02-10-1000 NTU	1EA
1.09028.0500	纳氏试剂	用于国标方法:纳氏试剂分光光度法, 成分:碘化钾-碘化汞-氢氧化钠溶液	500mL
1.17927.0001	砷测试条	测试范围:0.005 - 0.010 - 0.025 - 0.05 - 0.10 - 0.25 - 0.50 mg/l	100条/盒
1.10079.0001	氯离子测试条	测试范围:500 - 1000 - 1500 - 2000 - >= 3000 mg/L	100条/盒
1.10012.0001	六价铬测试条	测试范围:3 - 10 - 30 - 100 mg/l	100条/盒
1.10044.0001	氰化物测试条	测试范围: 1 - 3 - 10 - 30 mg/l	100条/盒
1.10024.0001	氨氮测试条	测试范围:10 - 30 - 60 - 100 - 200 - 400 mg/l	100条/盒
1.10428.0001	磷酸盐测试条	测试范围:10 - 25 - 50 - 100 - 250 - 500 mg/l	100条/盒

更多详情，立即请扫描二维码，获取水质分析解决方案！



Supelco®

Analytical Products

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