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TESTING
CNAS L2383



CERTIFICATE OF ANALYSIS

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C-O-C number : ----
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Page : 1 of 28
Work Order : SH1600257
Amendment : 1

Date Samples Received : 22-FEB-2016
Date Samples Analysed : 22-FEB-2016
Issue Date : 23-FEB-2016
No. of samples received : 9
No. of samples analysed : 9

This document has been signed by the authorised signatories.

Audited by

Guixiang Li

Approved by

Jack Xie

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General Comments:

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- Our company prepares this report based on the tests requested and assumes no responsibility for variations in quality or other characteristic changes in the specific sample analyzed under conditions over which it has no control.
- Our company offers service to the parties whom we have agreements with only and promises to keep the business confidentiality for them.
- Unless otherwise stated, this report refers to the findings of the specific sample received.
- ALS has the rights to keep and deal with the residual samples as per ALS rules without prior agreement about them between ALS and the clients.
- The completion date of analysis is: 22-FEB-2016
- Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
- Specific comments for Work Order: SH1600257
 - Soil sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

ALS Sample ID

				jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
				20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit						
INORGANICS - Physical and Aggregate Properties: LY/T 1213-1999								
Moisture Content (dried @ 70°C)	----	0.10	%	20.4	16.8	25.3	19.0	20.7
INORGANICS - Nonmetallic Constituents: US EPA 9045D:2004								
pH	----	0.10	-	10.6	7.67	7.89	8.78	7.51
Metals - Metals and Major Cations: USEPA 6010C(Rev 3):2007								
Antimony	7440-36-0	0.5	mg/kg	0.9	1.2	<0.5	1.4	0.9
Arsenic	7440-38-2	1.0	mg/kg	10.4	15.3	11.8	11.7	10.2
Beryllium	7440-41-7	0.5	mg/kg	0.9	1.0	<0.5	1.1	1.2
Cadmium	7440-43-9	0.10	mg/kg	<0.10	0.20	<0.10	<0.10	<0.10
Chromium	7440-47-3	0.5	mg/kg	42.8	43.4	25.1	48.2	77.0
Copper	7440-50-8	0.5	mg/kg	26.8	32.6	7.8	29.0	33.2
Lead	7439-92-1	0.5	mg/kg	18.2	26.2	6.1	22.1	19.4
Nickel	7440-02-0	0.5	mg/kg	29.4	30.3	21.6	31.6	35.1
Selenium	7782-49-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	7440-22-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	7440-28-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Zinc	7440-66-6	0.5	mg/kg	67.8	92.3	41.1	68.3	121
Metals - Metals and Major Cations: USEPA 7470A(Rev 1):1994								
Mercury	7439-97-6	0.05	mg/kg	<0.05	0.22	<0.05	<0.05	<0.05
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8260C(Rev 3):2006								
C6 - C9 Fraction	----	2.0	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8015C(Rev 3):2007								
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH): USEPA 8260C(Rev 3):2006								
Benzene	71-43-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Toluene	108-88-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Ethylbenzene	100-41-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Styrene	100-42-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
meta- & para-Xylene	108-38-3 106-42-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
ortho-Xylene	95-47-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
n-Propylbenzene	103-65-1	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	98-82-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
n-Butylbenzene	104-51-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
tert-Butylbenzene	98-06-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
sec-Butylbenzene	135-98-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
p-Isopropyltoluene	99-87-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
1,3,5-Trimethylbenzene	108-67-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trimethylbenzene	95-63-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANICS - VOCs - Oxygenated Compounds: USEPA 8260C(Rev 3):2006								
2-Propanone (Acetone)	67-64-1	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20
2-Butanone (MEK)	78-93-3	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20



Sub-Matrix: SOIL				Client sample ID	jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				ALS Sample ID	SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit							
ORGANICS - VOCs - Oxygenated Compounds: USEPA 8260C(Rev 3):2006 - Continued									
2-Hexanone (MBK)	591-78-6	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
4-Methyl-2-pentanone (MIBK)	108-10-1	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate	108-05-4	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
ORGANICS - VOCs - Sulfonated Compounds: USEPA 8260C(Rev 3):2006									
Carbon disulfide	75-15-0	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - VOCs - Fumigants: USEPA 8260C(Rev 3):2006									
2,2-Dichloropropane	594-20-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichloropropane	78-87-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
cis-1,3-Dichloropropylene	10061-01-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,3-Dichloropropylene	10061-02-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,2-Dibromoethane (EDB)	106-93-4	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
ORGANICS - VOCs - Halogenated Aliphatics: USEPA 8260C(Rev 3):2006									
Dichlorodifluoromethane	75-71-8	1.0	mg/kg		<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	74-87-3	1.0	mg/kg		<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	74-83-9	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Iodomethane	74-88-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Vinyl chloride	75-01-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Trichlorofluoromethane	75-69-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Chloroethane	75-00-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Methylene chloride	75-09-2	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Dibromomethane	74-95-3	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Carbon Tetrachloride	56-23-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Pentachloroethane	76-01-7	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethane	75-34-3	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,2-Dichloroethane	107-06-2	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1,1-Trichloroethane	71-55-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1,2-Trichloroethane	79-00-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1,1,2-Tetrachloroethane	630-20-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1,2,2-Tetrachloroethane	79-34-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,2,3-Trichloropropane	96-18-4	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,2-Dibromo-3-chloropropane	96-12-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethene	75-35-4	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,2-Dichloroethene	156-60-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
cis-1,2-Dichloroethene	156-59-2	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Trichloroethene	79-01-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Tetrachloroethene	127-18-4	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloropropylene	563-58-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
cis-1,4-Dichloro-2-butene	1476-11-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,4-Dichloro-2-butene	110-57-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
ORGANICS - VOCs - Halogenated Aromatics: USEPA 8260C(Rev 3):2006									
1,3-Dichloropropane	142-28-9	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Chlorobenzene	108-90-7	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Bromobenzene	108-86-1	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorotoluene	95-49-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010

Sub-Matrix: SOIL	Client sample ID			jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
	Client sampling date / time			20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
	ALS Sample ID			SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit						
ORGANICS - VOCs - Halogenated Aromatics: USEPA 8260C(Rev 3):2006 - Continued								
4-Chlorotoluene	106-43-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,3-Trichlorobenzene	87-61-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANICS - VOCs - Trihalomethanes (THM): USEPA 8260C(Rev 3):2006								
Chloroform	67-66-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Bromoform	75-25-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Bromodichloromethane	75-27-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	124-48-1	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANICS - SVOCs - Phenols: USEPA 8270D(Rev 4):2007								
Phenol	108-95-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2-Methylphenol	95-48-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
3- & 4-Methylphenol	1319-77-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2,4-Dimethylphenol	105-67-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2-Nitrophenol	88-75-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2-Chlorophenol	95-57-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2,4-Dichlorophenol	120-83-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2,6-Dichlorophenol	87-65-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
4-Chloro-3-methylphenol	59-50-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2,4,5-Trichlorophenol	95-95-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2,4,6-Trichlorophenol	88-06-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Pentachlorophenol	87-86-5	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20
2,3,4,6-Tetrachlorophenol	58-90-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs): USEPA 8270D(Rev 4):2007								
Naphthalene	91-20-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2-Methylnaphthalene	91-57-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
2-Chloronaphthalene	91-58-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Acenaphthene	83-32-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Acenaphthylene	208-96-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Fluorene	86-73-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Phenanthrene	85-01-8	0.10	mg/kg	<0.10	<0.10	<0.10	0.33	<0.10
Anthracene	120-12-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	206-44-0	0.10	mg/kg	<0.10	<0.10	<0.10	0.46	<0.10
Pyrene	129-00-0	0.10	mg/kg	<0.10	<0.10	<0.10	0.31	<0.10
N-2-Fluorenyl Acetamide	53-96-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Benz(a)anthracene	56-55-3	0.10	mg/kg	<0.10	<0.10	<0.10	0.12	<0.10
Chrysene	218-01-9	0.10	mg/kg	<0.10	<0.10	<0.10	0.16	<0.10
Benzo(b)fluoranthene	205-99-2	0.10	mg/kg	<0.10	<0.10	<0.10	0.16	<0.10
Benzo(k)fluoranthene	207-08-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
7,12-Dimethylbenz(a)anthracene	57-97-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	50-32-8	0.10	mg/kg	<0.10	<0.10	<0.10	0.11	<0.10
3-Methylcholanthrene	56-49-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Indeno(1,2,3-cd)pyrene	193-39-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Dibenz(a,h)anthracene	53-70-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	191-24-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Phthalate Esters: USEPA 8270D(Rev 4):2007								



Sub-Matrix: SOIL				Client sample ID	jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				ALS Sample ID	SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Phthalate Esters: USEPA 8270D(Rev 4):2007 - Continued									
Dimethyl phthalate	131-11-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Diethyl phthalate	84-66-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Di-n-butyl phthalate	84-74-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Butyl benzyl phthalate	85-68-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Di-n-octylphthalate	117-84-0	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Bis(2-ethylhexyl)phthalate	117-81-7	1.0	mg/kg		<1.0	<1.0	<1.0	<1.0	<1.0
ORGANICS - SVOCs - Nitrosamines: USEPA 8270D(Rev 4):2007									
N-Nitrosomethylethylamine	10595-95-6	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
N-Nitrosodiethylamine	55-18-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
N-Nitrosopyrrolidine	930-55-2	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
N-Nitrosodi-n-propylamine	621-64-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
N-Nitrosomorpholine	59-89-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
N-Nitrosopiperidine	100-75-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
N-Nitrosodibutylamine	924-16-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Diphenylamine & N-Nitrosodiphenylamine	122-39-4 86-30-6	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
Methapyrilene	91-80-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Nitroaromatics and Ketones: USEPA 8270D(Rev 4):2007									
Nitrobenzene	98-95-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
2,4-Dinitrotoluene	121-14-2	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
2,6-Dinitrotoluene	606-20-2	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trinitrobenzene	99-35-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Pentachloronitrobenzene	82-68-8	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Azobenzene	103-33-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
4-Aminobiphenyl	92-67-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Dimethylaminoazobenzene	60-11-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
2-Picoline	109-06-8	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Acetophenone	98-86-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Isophorone	78-59-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
1-Naphthylamine	134-32-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
5-Nitro-o-toluidine	99-55-8	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Pronamide	23950-58-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Phenacetin	62-44-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
4-Nitroquinoline-N-oxide	56-57-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Haloethers: USEPA 8270D(Rev 4):2007									
Bis(2-chloroethyl) ether	111-44-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Bis(2-chloroethoxy) methane	111-91-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
4-Chlorophenyl phenyl ether	7005-72-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
4-Bromophenyl phenyl ether	101-55-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Dichloroisopropyl ether	108-60-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Chlorinated Hydrocarbons: USEPA 8270D(Rev 4):2007									
1,3-Dichlorobenzene	541-73-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	106-46-7	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	95-50-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10



Sub-Matrix: SOIL				Client sample ID	jiaoshi bei 1-0.5	jiaoshi bei 1-3.0	jiaoshi bei1-10.0	jiaoshi bei2-0.5m	jiaoshi bei2-3.0
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				ALS Sample ID	SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Chlorinated Hydrocarbons: USEPA 8270D(Rev 4):2007 - Continued									
1,2,4-Trichlorobenzene	120-82-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Pentachlorobenzene	608-93-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexachlorobenzene (HCB)	118-74-1	0.200	mg/kg	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Hexachloroethane	67-72-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexachloropropylene	1888-71-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexachlorobutadiene	87-68-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexachlorocyclopentadiene	77-47-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Anilines and Benzidines: USEPA 8270D(Rev 4):2007									
Aniline	62-53-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-Nitroaniline	88-74-4	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
3-Nitroaniline	99-09-2	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-Nitroaniline	100-01-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4-Chloroaniline	106-47-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
3,3'-Dichlorobenzidine	91-94-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dibenzofuran	132-64-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Carbazole	86-74-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Organochlorine Pesticides: USEPA 8270D(Rev 4):2007									
o,p-DDE	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
alpha-BHC	319-84-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
beta-BHC	319-85-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
gamma-BHC	58-89-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
delta-BHC	319-86-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Heptachlor	76-44-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Heptachlor epoxide	1024-57-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aldrin	309-00-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dieldrin	60-57-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Endrin	72-20-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Endosulfan 1	959-98-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Endosulfan 2	33213-65-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Endosulfan sulfate	1031-07-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDD	72-54-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDE	72-55-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDT	50-29-3	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-Chlordane	5103-71-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
trans-Chlordane	5103-74-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Endrin ketone	53494-70-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Methoxychlor	72-43-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
BHC	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
DDT	---	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4-DDT	789-02-6	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Mirex	2385-85-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Trichlorobenzenes	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Organophosphorus Pesticides: USEPA 8270D(Rev 4):2007									
Dichlorvos	62-73-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10



Sub-Matrix: SOIL				Client sample ID	jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				ALS Sample ID	SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Organophosphorus Pesticides: USEPA 8270D(Rev 4):2007 - Continued									
Dimethoate	60-51-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Diazinon	333-41-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Chlorpyrifos	2921-88-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Chlorpyrifos-methyl	5598-13-0	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Malathion	121-75-5	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Fenthion	55-38-9	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Pirimphos-ethyl	23505-41-1	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Ethion	563-12-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Prothiofos	34643-46-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Clofenvinfos E/Z1	----	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Clofenvinfos E/Z2	----	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Clofenvinfos E/Z3	----	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Monocrotophos	6923-22-4	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Parathion	56-38-2	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Parathion-methyl	298-00-0	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Bromophos-ethyl	4824-78-6	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Fenamiphos	22224-92-6	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Carbophenothion	786-19-6	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Azinphos Methyl	86-50-0	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
ORGANICS - SVOCs - Other SVOCs: USEPA 8270D(Rev 4):2007									
1,2,4,5-Tetrachlorobenzene	95-94-3	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Diallate	2303-16-4	0.50	mg/kg		<0.50	<0.50	<0.50	<0.50	<0.50
Atrazine	1912-24-9	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Methanesulfonate methyl	66-27-3	0.50	mg/kg		<0.50	<0.50	<0.50	<0.50	<0.50
Methanesulfonate ethyl	62-50-0	0.50	mg/kg		<0.50	<0.50	<0.50	<0.50	<0.50
ORGANICS - Other Organic Compounds: USEPA 8270D(Rev 4):2007									
1-Chloro-2-nitrobenzene	88-73-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
1-Chloro-4-nitrobenzene	100-00-5	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
1-Chloro-3-nitrobenzene	121-73-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Isodrin	465-73-6	0.50	mg/kg		<0.50	<0.50	<0.50	<0.50	<0.50
ORGANICS - TPH(Volatile)/BTEX Surrogate: USEPA 8260C(Rev 3):2006									
Dibromofluoromethane	1868-53-7	0.1	%		73.1	87.7	85.6	77.1	83.2
Toluene-D8	2037-26-5	0.1	%		85.1	100	99.4	98.8	101
4-Bromofluorobenzene	460-00-4	0.1	%		80.8	94.1	93.0	91.2	93.3
ORGANICS - VOCs - Volatile Analytes Surrogates: USEPA 8260C(Rev 3):2006									
Dibromofluoromethane	1868-53-7	0.1	%		74.3	89.2	85.4	78.2	82.4
Toluene-D8	2037-26-5	0.1	%		78.4	92.1	91.6	91.0	93.3
4-Bromofluorobenzene	460-00-4	0.1	%		86.4	100	98.0	96.6	99.9
ORGANICS - SVOCs - Acid Extractable Surrogates: USEPA 8270D(Rev 4):2007									
2-Fluorophenol	367-12-4	0.1	%		60.1	69.9	54.6	71.4	53.2
Phenol-d6	13127-88-3	0.1	%		62.2	63.6	44.9	66.5	50.8
2,4,6-Tribromophenol	118-79-6	0.1	%		45.1	47.0	55.7	50.9	58.5
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: USEPA 8270D(Rev 4):2007									

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.



Sub-Matrix: SOIL				Client sample ID		jiaoshibei 1-0.5	jiaoshi bei 1-3.0	jiaoshibei1-10.0	jiaoshibei2-0.5m	jiaoshibei2-3.0
				Client sampling date / time		20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00
				ALS Sample ID		SH1600257-001	SH1600257-002	SH1600257-003	SH1600257-004	SH1600257-005
CAS Number		LOR	Unit							
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: USEPA 8270D(Rev 4):2007 - Continued								Surrogate control limits listed at end of this report		
Nitrobenzene -d5	4165-60-0	0.1	%	68.7	67.9	52.4	73.9	56.4		
2-Fluorobiphenyl	321-60-8	0.1	%	77.6	74.0	48.1	80.8	62.4		
4-Terphenyl-d14	1718-51-0	0.1	%	90.5	85.4	64.2	73.5	71.4		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
INORGANICS - Physical and Aggregate Properties: LY/T 1213-1999									
Moisture Content (dried @ 70°C)	---	0.10	%		25.5	19.6	20.4	21.4	
INORGANICS - Nonmetallic Constituents: US EPA 9045D:2004									
pH	---	0.10	-		7.60	8.31	8.92	7.85	
Metals - Metals and Major Cations: USEPA 6010C(Rev 3):2007									
Antimony	7440-36-0	0.5	mg/kg		<0.5	0.9	0.8	<0.5	
Arsenic	7440-38-2	1.0	mg/kg		10.4	9.4	12.1	7.8	
Beryllium	7440-41-7	0.5	mg/kg		<0.5	1.0	1.1	0.8	
Cadmium	7440-43-9	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	
Chromium	7440-47-3	0.5	mg/kg		26.0	38.5	47.1	53.2	
Copper	7440-50-8	0.5	mg/kg		9.2	23.6	29.7	31.8	
Lead	7439-92-1	0.5	mg/kg		6.5	18.1	13.4	15.4	
Nickel	7440-02-0	0.5	mg/kg		21.5	26.3	33.6	32.2	
Selenium	7782-49-2	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	
Silver	7440-22-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	
Thallium	7440-28-0	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	
Zinc	7440-66-6	0.5	mg/kg		46.0	54.6	61.2	72.1	
Metals - Metals and Major Cations: USEPA 7470A(Rev 1):1994									
Mercury	7439-97-6	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8260C(Rev 3):2006									
C6 - C9 Fraction	---	2.0	mg/kg		<2.0	<2.0	<2.0	<2.0	
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8015C(Rev 3):2007									
C10 - C14 Fraction	---	50	mg/kg		<50	<50	<50	<50	
C15 - C28 Fraction	---	100	mg/kg		<100	<100	<100	<100	
C29 - C36 Fraction	---	100	mg/kg		<100	<100	<100	<100	
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH): USEPA 8260C(Rev 3):2006									
Benzene	71-43-2	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
Toluene	108-88-3	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
Ethylbenzene	100-41-4	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
Styrene	100-42-5	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
meta- & para-Xylene	108-38-3 106-42-3	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
ortho-Xylene	95-47-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
n-Propylbenzene	103-65-1	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
Isopropylbenzene	98-82-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
n-Butylbenzene	104-51-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
tert-Butylbenzene	98-06-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
sec-Butylbenzene	135-98-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
p-Isopropyltoluene	99-87-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
1,3,5-Trimethylbenzene	108-67-8	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
1,2,4-Trimethylbenzene	95-63-6	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	
ORGANICS - VOCs - Oxygenated Compounds: USEPA 8260C(Rev 3):2006									
2-Propanone (Acetone)	67-64-1	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	
2-Butanone (MEK)	78-93-3	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	
2-Hexanone (MBK)	591-78-6	0.20	mg/kg		<0.20	<0.20	<0.20	<0.20	



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
ORGANICS - VOCs - Oxygenated Compounds: USEPA 8260C(Rev 3):2006 - Continued									
4-Methyl-2-pentanone (MIBK)	108-10-1	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
Vinyl Acetate	108-05-4	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
ORGANICS - VOCs - Sulfonated Compounds: USEPA 8260C(Rev 3):2006									
Carbon disulfide	75-15-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - VOCs - Fumigants: USEPA 8260C(Rev 3):2006									
2,2-Dichloropropane	594-20-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
1,2-Dichloropropane	78-87-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
cis-1,3-Dichloropropylene	10061-01-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
trans-1,3-Dichloropropylene	10061-02-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,2-Dibromoethane (EDB)	106-93-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
ORGANICS - VOCs - Halogenated Aliphatics: USEPA 8260C(Rev 3):2006									
Dichlorodifluoromethane	75-71-8	1.0	mg/kg	<1.0	<1.0	<1.0	<1.0		
Chloromethane	74-87-3	1.0	mg/kg	<1.0	<1.0	<1.0	<1.0		
Bromomethane	74-83-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Iodomethane	74-88-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Vinyl chloride	75-01-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Trichlorofluoromethane	75-69-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Chloroethane	75-00-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Methylene chloride	75-09-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Dibromomethane	74-95-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Carbon Tetrachloride	56-23-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Pentachloroethane	76-01-7	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1-Dichloroethane	75-34-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,2-Dichloroethane	107-06-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1,1-Trichloroethane	71-55-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1,2-Trichloroethane	79-00-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1,1,2-Tetrachloroethane	630-20-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1,2,2-Tetrachloroethane	79-34-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,2,3-Trichloropropane	96-18-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,2-Dibromo-3-chloropropane	96-12-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1-Dichloroethene	75-35-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
trans-1,2-Dichloroethene	156-60-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
cis-1,2-Dichloroethene	156-59-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Trichloroethene	79-01-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Tetrachloroethene	127-18-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
1,1-Dichloropropylene	563-58-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
cis-1,4-Dichloro-2-butene	1476-11-5	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
trans-1,4-Dichloro-2-butene	110-57-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
ORGANICS - VOCs - Halogenated Aromatics: USEPA 8260C(Rev 3):2006									
1,3-Dichloropropane	142-28-9	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Chlorobenzene	108-90-7	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Bromobenzene	108-86-1	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
2-Chlorotoluene	95-49-8	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
4-Chlorotoluene	106-43-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
ORGANICS - VOCs - Halogenated Aromatics: USEPA 8260C(Rev 3):2006 - Continued									
1,2,3-Trichlorobenzene	87-61-6	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
ORGANICS - VOCs - Trihalomethanes (THM): USEPA 8260C(Rev 3):2006									
Chloroform	67-66-3	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Bromoform	75-25-2	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Bromodichloromethane	75-27-4	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
Dibromochloromethane	124-48-1	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010		
ORGANICS - SVOCs - Phenols: USEPA 8270D(Rev 4):2007									
Phenol	108-95-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Methylphenol	95-48-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
3- & 4-Methylphenol	1319-77-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,4-Dimethylphenol	105-67-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Nitrophenol	88-75-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Chlorophenol	95-57-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,4-Dichlorophenol	120-83-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,6-Dichlorophenol	87-65-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Chloro-3-methylphenol	59-50-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,4,5-Trichlorophenol	95-95-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,4,6-Trichlorophenol	88-06-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Pentachlorophenol	87-86-5	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
2,3,4,6-Tetrachlorophenol	58-90-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs): USEPA 8270D(Rev 4):2007									
Naphthalene	91-20-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Methylnaphthalene	91-57-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Chloronaphthalene	91-58-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Acenaphthene	83-32-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Acenaphthylene	208-96-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Fluorene	86-73-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Phenanthrene	85-01-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Anthracene	120-12-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Fluoranthene	206-44-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Pyrene	129-00-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-2-Fluorenyl Acetamide	53-96-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Benz(a)anthracene	56-55-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Chrysene	218-01-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Benzo(b)fluoranthene	205-99-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Benzo(k)fluoranthene	207-08-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
7,12-Dimethylbenz(a)anthracene	57-97-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Benzo(a)pyrene	50-32-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
3-Methylcholanthrene	56-49-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Indeno(1,2,3.cd)pyrene	193-39-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dibenz(a,h)anthracene	53-70-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Benzo(g,h,i)perylene	191-24-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Phthalate Esters: USEPA 8270D(Rev 4):2007									
Dimethyl phthalate	131-11-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Phthalate Esters: USEPA 8270D(Rev 4):2007 - Continued									
Diethyl phthalate	84-66-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Di-n-butyl phthalate	84-74-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Butyl benzyl phthalate	85-68-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Di-n-octylphthalate	117-84-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Bis(2-ethylhexyl)phthalate	117-81-7	1.0	mg/kg	<1.0	<1.0	<1.0	<1.0		
ORGANICS - SVOCs - Nitrosamines: USEPA 8270D(Rev 4):2007									
N-Nitrosomethylethylamine	10595-95-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-Nitrosodiethylamine	55-18-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-Nitrosopyrrolidine	930-55-2	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
N-Nitrosodi-n-propylamine	621-64-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-Nitrosomorpholine	59-89-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-Nitrosopiperidine	100-75-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
N-Nitrosodibutylamine	924-16-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Diphenylamine & N-Nitrosodiphenylamine	122-39-4 86-30-6	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
Methapyrilene	91-80-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Nitroaromatics and Ketones: USEPA 8270D(Rev 4):2007									
Nitrobenzene	98-95-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2,4-Dinitrotoluene	121-14-2	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
2,6-Dinitrotoluene	606-20-2	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
1,3,5-Trinitrobenzene	99-35-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Pentachloronitrobenzene	82-68-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Azobenzene	103-33-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Aminobiphenyl	92-67-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dimethylaminoazobenzene	60-11-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Picoline	109-06-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Acetophenone	98-86-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Isophorone	78-59-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
1-Naphthylamine	134-32-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
5-Nitro-o-toluidine	99-55-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Pronamide	23950-58-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Phenacetin	62-44-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Nitroquinoline-N-oxide	56-57-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Haloethers: USEPA 8270D(Rev 4):2007									
Bis(2-chloroethyl) ether	111-44-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Bis(2-chloroethoxy) methane	111-91-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Chlorophenyl phenyl ether	7005-72-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Bromophenyl phenyl ether	101-55-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dichloroisopropyl ether	108-60-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Chlorinated Hydrocarbons: USEPA 8270D(Rev 4):2007									
1,3-Dichlorobenzene	541-73-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
1,4-Dichlorobenzene	106-46-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
1,2-Dichlorobenzene	95-50-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
1,2,4-Trichlorobenzene	120-82-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Chlorinated Hydrocarbons: USEPA 8270D(Rev 4):2007 - Continued									
Pentachlorobenzene	608-93-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Hexachlorobenzene (HCB)	118-74-1	0.200	mg/kg	<0.200	<0.200	<0.200	<0.200		
Hexachloroethane	67-72-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Hexachloropropylene	1888-71-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Hexachlorobutadiene	87-68-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Hexachlorocyclopentadiene	77-47-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Anilines and Benzidines: USEPA 8270D(Rev 4):2007									
Aniline	62-53-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
2-Nitroaniline	88-74-4	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
3-Nitroaniline	99-09-2	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
4-Nitroaniline	100-01-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4-Chloroaniline	106-47-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
3,3'-Dichlorobenzidine	91-94-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dibenzofuran	132-64-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Carbazole	86-74-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Organochlorine Pesticides: USEPA 8270D(Rev 4):2007									
o,p-DDE	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
alpha-BHC	319-84-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
beta-BHC	319-85-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
gamma-BHC	58-89-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
delta-BHC	319-86-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Heptachlor	76-44-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Heptachlor epoxide	1024-57-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Aldrin	309-00-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dieldrin	60-57-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Endrin	72-20-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Endosulfan 1	959-98-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Endosulfan 2	33213-65-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Endosulfan sulfate	1031-07-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4,4'-DDD	72-54-8	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4,4'-DDE	72-55-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
4,4'-DDT	50-29-3	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
cis-Chlordane	5103-71-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
trans-Chlordane	5103-74-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Endrin ketone	53494-70-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Methoxychlor	72-43-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
BHC	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
DDT	---	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
2,4-DDT	789-02-6	0.20	mg/kg	<0.20	<0.20	<0.20	<0.20		
Mirex	2385-85-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Trichlorobenzenes	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Organophosphorus Pesticides: USEPA 8270D(Rev 4):2007									
Dichlorvos	62-73-7	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Dimethoate	60-51-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Organophosphorus Pesticides: USEPA 8270D(Rev 4):2007 - Continued									
Diazinon	333-41-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Chlorpyrifos	2921-88-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Chlorpyrifos-methyl	5598-13-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Malathion	121-75-5	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Fenthion	55-38-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Pirimphos-ethyl	23505-41-1	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Ethion	563-12-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Prothiofos	34643-46-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Clofenvinfos E/Z1	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Clofenvinfos E/Z2	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Clofenvinfos E/Z3	---	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Monocrotophos	6923-22-4	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Parathion	56-38-2	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Parathion-methyl	298-00-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Bromophos-ethyl	4824-78-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Fenamiphos	22224-92-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Carbophenothion	786-19-6	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Azinphos Methyl	86-50-0	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
ORGANICS - SVOCs - Other SVOCs: USEPA 8270D(Rev 4):2007									
1,2,4,5-Tetrachlorobenzene	95-94-3	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Diallate	2303-16-4	0.50	mg/kg	<0.50	<0.50	<0.50	<0.50		
Atrazine	1912-24-9	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10		
Methanesulfonate methyl	66-27-3	0.50	mg/kg	<0.50	<0.50	<0.50	<0.50		
Methanesulfonate ethyl	62-50-0	0.50	mg/kg	<0.50	<0.50	<0.50	<0.50		
ORGANICS - Other Organic Compounds: USEPA 8270D(Rev 4):2007									
1-Chloro-2-nitrobenzene	88-73-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5		
1-Chloro-4-nitrobenzene	100-00-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5		
1-Chloro-3-nitrobenzene	121-73-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5		
Isodrin	465-73-6	0.50	mg/kg	<0.50	<0.50	<0.50	<0.50		
ORGANICS - TPH(Volatile)/BTEX Surrogate: USEPA 8260C(Rev 3):2006								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%	76.5	87.8	91.0	86.2		
Toluene-D8	2037-26-5	0.1	%	95.3	105	109	110		
4-Bromofluorobenzene	460-00-4	0.1	%	87.8	96.5	110	101		
ORGANICS - VOCs - Volatile Analytes Surrogates: USEPA 8260C(Rev 3):2006								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%	75.8	87.6	88.2	87.2		
Toluene-D8	2037-26-5	0.1	%	87.8	96.4	112	101		
4-Bromofluorobenzene	460-00-4	0.1	%	92.8	103	116	108		
ORGANICS - SVOCs - Acid Extractable Surrogates: USEPA 8270D(Rev 4):2007								Surrogate control limits listed at end of this report.	
2-Fluorophenol	367-12-4	0.1	%	57.7	65.1	54.8	41.7		
Phenol-d6	13127-88-3	0.1	%	47.8	58.3	43.3	44.8		
2,4,6-Tribromophenol	118-79-6	0.1	%	53.2	45.8	56.1	53.5		
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: USEPA 8270D(Rev 4):2007								Surrogate control limits listed at end of this report.	
Nitrobenzene -d5	4165-60-0	0.1	%	52.1	65.7	63.5	44.1		



Sub-Matrix: SOIL				Client sample ID	jiaoshibei2-10.0	shitangnan-0.5	shitang-3.0	shitangnan-10.0	
				Client sampling date / time	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	20-FEB-2016 15:00	
				ALS Sample ID	SH1600257-006	SH1600257-007	SH1600257-008	SH1600257-009	
CAS Number		LOR	Unit						
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: USEPA 8270D(Rev 4):2007 - Continued							Surrogate control limits listed at end of this report.		
2-Fluorobiphenyl	321-60-8	0.1	%	60.0	74.9	68.6	41.2		
4-Terphenyl-d14	1718-51-0	0.1	%	48.6	82.2	79.6	45.5		

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)		
INORGANICS - Physical and Aggregate Properties (QC Lot: 4140050): LY/T 1213-1999										
SH1600257-001	jiaoshibei 1-0.5	Moisture Content (dried @ 70°C)	---	0.10	%	20.4	20.4	0.3		
INORGANICS - Nonmetallic Constituents (QC Lot: 4140051): US EPA 9045D:2004										
SH1600251-001	Anonymous	pH	---	0.10	-	9.60	9.61	0.1		
Metals - Metals and Major Cations (QC Lot: 4140028): USEPA 6010C(Rev 3):2007										
SH1600257-001	jiaoshibei 1-0.5	Antimony	7440-36-0	0.5	mg/kg	0.9	0.9	0.0		
		Arsenic	7440-38-2	1.0	mg/kg	10.4	9.8	5.1		
		Beryllium	7440-41-7	0.5	mg/kg	0.9	0.9	0.0		
		Cadmium	7440-43-9	0.10	mg/kg	<0.10	<0.10	0.0		
		Chromium	7440-47-3	0.5	mg/kg	42.8	44.3	3.5		
		Copper	7440-50-8	0.5	mg/kg	26.8	26.5	0.9		
		Lead	7439-92-1	0.5	mg/kg	18.2	17.1	6.3		
		Nickel	7440-02-0	0.5	mg/kg	29.4	29.4	0.0		
		Selenium	7782-49-2	0.5	mg/kg	<0.5	<0.5	0.0		
		Silver	7440-22-4	0.5	mg/kg	<0.5	<0.5	0.0		
		Thallium	7440-28-0	0.5	mg/kg	<0.5	<0.5	0.0		
		Zinc	7440-66-6	0.5	mg/kg	67.8	66.3	2.2		
		Metals - Metals and Major Cations (QC Lot: 4140029): USEPA 7470A(Rev 1):1994								
SH1600257-001	jiaoshibei 1-0.5	Mercury	7439-97-6	0.05	mg/kg	<0.05	<0.05	0.0		
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4139990): USEPA 8260C(Rev 3):2006										
SH1600257-001	jiaoshibei 1-0.5	C6 - C9 Fraction	---	2.0	mg/kg	<2.0	<2.0	0.0		
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4140035): USEPA 8015C(Rev 3):2007										
SH1600257-001	jiaoshibei 1-0.5	C10 - C14 Fraction	---	50	mg/kg	<50	<50	0.0		
		C15 - C28 Fraction	---	100	mg/kg	<100	<100	0.0		
		C29 - C36 Fraction	---	100	mg/kg	<100	<100	0.0		
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 4139989): USEPA 8260C(Rev 3):2006										
SH1600257-001	jiaoshibei 1-0.5	Benzene	71-43-2	0.010	mg/kg	<0.010	<0.010	0.0		
		Toluene	108-88-3	0.010	mg/kg	<0.010	<0.010	0.0		
		Ethylbenzene	100-41-4	0.010	mg/kg	<0.010	<0.010	0.0		
		Styrene	100-42-5	0.010	mg/kg	<0.010	<0.010	0.0		
		meta- & para-Xylene	108-38-3	0.010	mg/kg	<0.010	<0.010	0.0		
			106-42-3							
		ortho-Xylene	95-47-6	0.010	mg/kg	<0.010	<0.010	0.0		
		n-Propylbenzene	103-65-1	0.010	mg/kg	<0.010	<0.010	0.0		
		Isopropylbenzene	98-82-8	0.010	mg/kg	<0.010	<0.010	0.0		
		n-Butylbenzene	104-51-8	0.010	mg/kg	<0.010	<0.010	0.0		
		tert-Butylbenzene	98-06-6	0.010	mg/kg	<0.010	<0.010	0.0		
		sec-Butylbenzene	135-98-8	0.010	mg/kg	<0.010	<0.010	0.0		
		p-Isopropyltoluene	99-87-6	0.010	mg/kg	<0.010	<0.010	0.0		
		1,3,5-Trimethylbenzene	108-67-8	0.010	mg/kg	<0.010	<0.010	0.0		
		1,2,4-Trimethylbenzene	95-63-6	0.010	mg/kg	<0.010	<0.010	0.0		
		ORGANICS - VOCs - Oxygenated Compounds (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								



Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ORGANICS - VOCs - Oxygenated Compounds (QC Lot: 4139989): USEPA 8260C(Rev 3):2006 - Continued								
SH1600257-001	jiaoshibei 1-0.5	2-Propanone (Acetone)	67-64-1	0.20	mg/kg	<0.20	<0.20	0.0
		2-Butanone (MEK)	78-93-3	0.20	mg/kg	<0.20	<0.20	0.0
		2-Hexanone (MBK)	591-78-6	0.20	mg/kg	<0.20	<0.20	0.0
		4-Methyl-2-pentanone (MIBK)	108-10-1	0.20	mg/kg	<0.20	<0.20	0.0
		Vinyl Acetate	108-05-4	0.20	mg/kg	<0.20	<0.20	0.0
ORGANICS - VOCs - Sulfonated Compounds (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								
SH1600257-001	jiaoshibei 1-0.5	Carbon disulfide	75-15-0	0.10	mg/kg	<0.10	<0.10	0.0
ORGANICS - VOCs - Fumigants (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								
SH1600257-001	jiaoshibei 1-0.5	2,2-Dichloropropane	594-20-7	0.10	mg/kg	<0.10	<0.10	0.0
		1,2-Dichloropropane	78-87-5	0.010	mg/kg	<0.010	<0.010	0.0
		cis-1,3-Dichloropropylene	10061-01-5	0.010	mg/kg	<0.010	<0.010	0.0
		trans-1,3-Dichloropropylene	10061-02-6	0.010	mg/kg	<0.010	<0.010	0.0
		1,2-Dibromoethane (EDB)	106-93-4	0.010	mg/kg	<0.010	<0.010	0.0
ORGANICS - VOCs - Halogenated Aliphatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								
SH1600257-001	jiaoshibei 1-0.5	Dichlorodifluoromethane	75-71-8	1.0	mg/kg	<1.0	<1.0	0.0
		Chloromethane	74-87-3	1.0	mg/kg	<1.0	<1.0	0.0
		Bromomethane	74-83-9	0.10	mg/kg	<0.10	<0.10	0.0
		Iodomethane	74-88-4	0.10	mg/kg	<0.10	<0.10	0.0
		Vinyl chloride	75-01-4	0.10	mg/kg	<0.10	<0.10	0.0
		Trichlorofluoromethane	75-69-4	0.10	mg/kg	<0.10	<0.10	0.0
		Chloroethane	75-00-3	0.10	mg/kg	<0.10	<0.10	0.0
		Methylene chloride	75-09-2	0.010	mg/kg	<0.010	<0.010	0.0
		Dibromomethane	74-95-3	0.010	mg/kg	<0.010	<0.010	0.0
		Carbon Tetrachloride	56-23-5	0.010	mg/kg	<0.010	<0.010	0.0
		Pentachloroethane	76-01-7	0.010	mg/kg	<0.010	<0.010	0.0
		1,1-Dichloroethane	75-34-3	0.010	mg/kg	<0.010	<0.010	0.0
		1,2-Dichloroethane	107-06-2	0.010	mg/kg	<0.010	<0.010	0.0
		1,1,1-Trichloroethane	71-55-6	0.010	mg/kg	<0.010	<0.010	0.0
		1,1,2-Trichloroethane	79-00-5	0.010	mg/kg	<0.010	<0.010	0.0
		1,1,1,2-Tetrachloroethane	630-20-6	0.010	mg/kg	<0.010	<0.010	0.0
		1,1,2,2-Tetrachloroethane	79-34-5	0.010	mg/kg	<0.010	<0.010	0.0
		1,2,3-Trichloropropane	96-18-4	0.010	mg/kg	<0.010	<0.010	0.0
		1,2-Dibromo-3-chloropropane	96-12-8	0.010	mg/kg	<0.010	<0.010	0.0
		1,1-Dichloroethene	75-35-4	0.010	mg/kg	<0.010	<0.010	0.0
		trans-1,2-Dichloroethene	156-60-5	0.010	mg/kg	<0.010	<0.010	0.0
		cis-1,2-Dichloroethene	156-59-2	0.010	mg/kg	<0.010	<0.010	0.0
		Trichloroethene	79-01-6	0.010	mg/kg	<0.010	<0.010	0.0
		Tetrachloroethene	127-18-4	0.010	mg/kg	<0.010	<0.010	0.0
		1,1-Dichloropropylene	563-58-6	0.010	mg/kg	<0.010	<0.010	0.0
		cis-1,4-Dichloro-2-butene	1476-11-5	0.010	mg/kg	<0.010	<0.010	0.0
		trans-1,4-Dichloro-2-butene	110-57-6	0.010	mg/kg	<0.010	<0.010	0.0
ORGANICS - VOCs - Halogenated Aromatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								
SH1600257-001	jiaoshibei 1-0.5	1,3-Dichloropropane	142-28-9	0.010	mg/kg	<0.010	<0.010	0.0
		Chlorobenzene	108-90-7	0.010	mg/kg	<0.010	<0.010	0.0



Matrix: SOIL						Laboratory Duplicate (DUP) Report		
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ORGANICS - VOCs - Halogenated Aromatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006 - Continued								
SH1600257-001	jiaoshibei 1-0.5	Bromobenzene	108-86-1	0.010	mg/kg	<0.010	<0.010	0.0
		2-Chlorotoluene	95-49-8	0.010	mg/kg	<0.010	<0.010	0.0
		4-Chlorotoluene	106-43-4	0.010	mg/kg	<0.010	<0.010	0.0
		1,2,3-Trichlorobenzene	87-61-6	0.010	mg/kg	<0.010	<0.010	0.0
ORGANICS - VOCs - Trihalomethanes (THM) (QC Lot: 4139989): USEPA 8260C(Rev 3):2006								
SH1600257-001	jiaoshibei 1-0.5	Chloroform	67-66-3	0.010	mg/kg	<0.010	<0.010	0.0
		Bromoform	75-25-2	0.010	mg/kg	<0.010	<0.010	0.0
		Bromodichloromethane	75-27-4	0.010	mg/kg	<0.010	<0.010	0.0
		Dibromochloromethane	124-48-1	0.010	mg/kg	<0.010	<0.010	0.0
ORGANICS - SVOCs - Phenols (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
SH1600257-001	jiaoshibei 1-0.5	Phenol	108-95-2	0.10	mg/kg	<0.10	<0.10	0.0
		2-Methylphenol	95-48-7	0.10	mg/kg	<0.10	<0.10	0.0
		3- & 4-Methylphenol	1319-77-3	0.10	mg/kg	<0.10	<0.10	0.0
		2,4-Dimethylphenol	105-67-9	0.10	mg/kg	<0.10	<0.10	0.0
		2-Nitrophenol	88-75-5	0.10	mg/kg	<0.10	<0.10	0.0
		2-Chlorophenol	95-57-8	0.10	mg/kg	<0.10	<0.10	0.0
		2,4-Dichlorophenol	120-83-2	0.10	mg/kg	<0.10	<0.10	0.0
		2,6-Dichlorophenol	87-65-0	0.10	mg/kg	<0.10	<0.10	0.0
		4-Chloro-3-methylphenol	59-50-7	0.10	mg/kg	<0.10	<0.10	0.0
		2,4,5-Trichlorophenol	95-95-4	0.10	mg/kg	<0.10	<0.10	0.0
		2,4,6-Trichlorophenol	88-06-2	0.10	mg/kg	<0.10	<0.10	0.0
		Pentachlorophenol	87-86-5	0.20	mg/kg	<0.20	<0.20	0.0
		2,3,4,6-Tetrachlorophenol	58-90-2	0.10	mg/kg	<0.10	<0.10	0.0
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs) (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
SH1600257-001	jiaoshibei 1-0.5	Naphthalene	91-20-3	0.10	mg/kg	<0.10	<0.10	0.0
		2-Methylnaphthalene	91-57-6	0.10	mg/kg	<0.10	<0.10	0.0
		2-Chloronaphthalene	91-58-7	0.10	mg/kg	<0.10	<0.10	0.0
		Acenaphthene	83-32-9	0.10	mg/kg	<0.10	<0.10	0.0
		Acenaphthylene	208-96-8	0.10	mg/kg	<0.10	<0.10	0.0
		Fluorene	86-73-7	0.10	mg/kg	<0.10	<0.10	0.0
		Phenanthrene	85-01-8	0.10	mg/kg	<0.10	<0.10	0.0
		Anthracene	120-12-7	0.10	mg/kg	<0.10	<0.10	0.0
		Fluoranthene	206-44-0	0.10	mg/kg	<0.10	<0.10	0.0
		Pyrene	129-00-0	0.10	mg/kg	<0.10	<0.10	0.0
		N-2-Fluorenyl Acetamide	53-96-3	0.10	mg/kg	<0.10	<0.10	0.0
		Benz(a)anthracene	56-55-3	0.10	mg/kg	<0.10	<0.10	0.0
		Chrysene	218-01-9	0.10	mg/kg	<0.10	<0.10	0.0
		Benzo(b)fluoranthene	205-99-2	0.10	mg/kg	<0.10	<0.10	0.0
		Benzo(k)fluoranthene	207-08-9	0.10	mg/kg	<0.10	<0.10	0.0
		7,12-Dimethylbenz(a)anthracene	57-97-6	0.10	mg/kg	<0.10	<0.10	0.0
		Benzo(a)pyrene	50-32-8	0.10	mg/kg	<0.10	<0.10	0.0
		3-Methylcholanthrene	56-49-5	0.10	mg/kg	<0.10	<0.10	0.0
		Indeno(1,2,3.cd)pyrene	193-39-5	0.10	mg/kg	<0.10	<0.10	0.0
		Dibenz(a,h)anthracene	53-70-3	0.10	mg/kg	<0.10	<0.10	0.0



Matrix: SOIL				Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)		
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs) (QC Lot: 4140034): USEPA 8270D(Rev 4):2007 - Continued										
SH1600257-001	jiaoshibei 1-0.5	Benzo(g,h,i)perylene	191-24-2	0.10	mg/kg	<0.10	<0.10	0.0		
ORGANICS - SVOCs - Phthalate Esters (QC Lot: 4140034): USEPA 8270D(Rev 4):2007										
SH1600257-001	jiaoshibei 1-0.5	Dimethyl phthalate	131-11-3	0.10	mg/kg	<0.10	<0.10	0.0		
		Diethyl phthalate	84-66-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Di-n-butyl phthalate	84-74-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Butyl benzyl phthalate	85-68-7	0.10	mg/kg	<0.10	<0.10	0.0		
		Di-n-octylphthalate	117-84-0	0.10	mg/kg	<0.10	<0.10	0.0		
		Bis(2-ethylhexyl)phthalate	117-81-7	1.0	mg/kg	<1.0	<1.0	0.0		
ORGANICS - SVOCs - Nitrosamines (QC Lot: 4140034): USEPA 8270D(Rev 4):2007										
SH1600257-001	jiaoshibei 1-0.5	N-Nitrosomethylethylamine	10595-95-6	0.10	mg/kg	<0.10	<0.10	0.0		
		N-Nitrosodiethylamine	55-18-5	0.10	mg/kg	<0.10	<0.10	0.0		
		N-Nitrosopyrrolidine	930-55-2	0.20	mg/kg	<0.20	<0.20	0.0		
		N-Nitrosodi-n-propylamine	621-64-7	0.10	mg/kg	<0.10	<0.10	0.0		
		N-Nitrosomorpholine	59-89-2	0.10	mg/kg	<0.10	<0.10	0.0		
		N-Nitrosopiperidine	100-75-4	0.10	mg/kg	<0.10	<0.10	0.0		
		N-Nitrosodibutylamine	924-16-3	0.10	mg/kg	<0.10	<0.10	0.0		
		Diphenylamine & N-Nitrosodiphenylamine	122-39-4	0.20	mg/kg	<0.20	<0.20	0.0		
			86-30-6							
		Methapyrilene	91-80-5	0.10	mg/kg	<0.10	<0.10	0.0		
ORGANICS - SVOCs - Nitroaromatics and Ketones (QC Lot: 4140034): USEPA 8270D(Rev 4):2007										
SH1600257-001	jiaoshibei 1-0.5	Nitrobenzene	98-95-3	0.10	mg/kg	<0.10	<0.10	0.0		
		2,4-Dinitrotoluene	121-14-2	0.20	mg/kg	<0.20	<0.20	0.0		
		2,6-Dinitrotoluene	606-20-2	0.20	mg/kg	<0.20	<0.20	0.0		
		1,3,5-Trinitrobenzene	99-35-4	0.10	mg/kg	<0.10	<0.10	0.0		
		Pentachloronitrobenzene	82-68-8	0.10	mg/kg	<0.10	<0.10	0.0		
		Azobenzene	103-33-3	0.10	mg/kg	<0.10	<0.10	0.0		
		4-Aminobiphenyl	92-67-1	0.10	mg/kg	<0.10	<0.10	0.0		
		Dimethylaminoazobenzene	60-11-7	0.10	mg/kg	<0.10	<0.10	0.0		
		2-Picoline	109-06-8	0.10	mg/kg	<0.10	<0.10	0.0		
		Acetophenone	98-86-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Isophorone	78-59-1	0.10	mg/kg	<0.10	<0.10	0.0		
		1-Naphthylamine	134-32-7	0.10	mg/kg	<0.10	<0.10	0.0		
		5-Nitro-o-toluidine	99-55-8	0.10	mg/kg	<0.10	<0.10	0.0		
		Pronamide	23950-58-5	0.10	mg/kg	<0.10	<0.10	0.0		
		Phenacetin	62-44-2	0.10	mg/kg	<0.10	<0.10	0.0		
		4-Nitroquinoline-N-oxide	56-57-5	0.10	mg/kg	<0.10	<0.10	0.0		
		ORGANICS - SVOCs - Haloethers (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
		SH1600257-001	jiaoshibei 1-0.5	Bis(2-chloroethyl) ether	111-44-4	0.10	mg/kg	<0.10	<0.10	0.0
Bis(2-chloroethoxy) methane	111-91-1			0.10	mg/kg	<0.10	<0.10	0.0		
4-Chlorophenyl phenyl ether	7005-72-3			0.10	mg/kg	<0.10	<0.10	0.0		
4-Bromophenyl phenyl ether	101-55-3			0.10	mg/kg	<0.10	<0.10	0.0		
Dichloroisopropyl ether	108-60-1			0.10	mg/kg	<0.10	<0.10	0.0		
ORGANICS - SVOCs - Chlorinated Hydrocarbons (QC Lot: 4140034): USEPA 8270D(Rev 4):2007										
SH1600257-001	jiaoshibei 1-0.5	1,3-Dichlorobenzene	541-73-1	0.10	mg/kg	<0.10	<0.10	0.0		



Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ORGANICS - SVOCs - Chlorinated Hydrocarbons (QC Lot: 4140034): USEPA 8270D(Rev 4):2007 - Continued								
SH1600257-001	jiaoshibei 1-0.5	1,4-Dichlorobenzene	106-46-7	0.10	mg/kg	<0.10	<0.10	0.0
		1,2-Dichlorobenzene	95-50-1	0.10	mg/kg	<0.10	<0.10	0.0
		1,2,4-Trichlorobenzene	120-82-1	0.10	mg/kg	<0.10	<0.10	0.0
		Pentachlorobenzene	608-93-5	0.10	mg/kg	<0.10	<0.10	0.0
		Hexachlorobenzene (HCB)	118-74-1	0.200	mg/kg	<0.200	<0.200	0.0
		Hexachloroethane	67-72-1	0.10	mg/kg	<0.10	<0.10	0.0
		Hexachloropropylene	1888-71-7	0.10	mg/kg	<0.10	<0.10	0.0
		Hexachlorobutadiene	87-68-3	0.10	mg/kg	<0.10	<0.10	0.0
ORGANICS - SVOCs - Anilines and Benzidines (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
SH1600257-001	jiaoshibei 1-0.5	Aniline	62-53-3	0.10	mg/kg	<0.10	<0.10	0.0
		2-Nitroaniline	88-74-4	0.20	mg/kg	<0.20	<0.20	0.0
		3-Nitroaniline	99-09-2	0.20	mg/kg	<0.20	<0.20	0.0
		4-Nitroaniline	100-01-6	0.10	mg/kg	<0.10	<0.10	0.0
		4-Chloroaniline	106-47-8	0.10	mg/kg	<0.10	<0.10	0.0
		3,3'-Dichlorobenzidine	91-94-1	0.10	mg/kg	<0.10	<0.10	0.0
		Dibenzofuran	132-64-9	0.10	mg/kg	<0.10	<0.10	0.0
		Carbazole	86-74-8	0.10	mg/kg	<0.10	<0.10	0.0
ORGANICS - SVOCs - Organochlorine Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
SH1600257-001	jiaoshibei 1-0.5	alpha-BHC	319-84-6	0.10	mg/kg	<0.10	<0.10	0.0
		beta-BHC	319-85-7	0.10	mg/kg	<0.10	<0.10	0.0
		gamma-BHC	58-89-9	0.10	mg/kg	<0.10	<0.10	0.0
		delta-BHC	319-86-8	0.10	mg/kg	<0.10	<0.10	0.0
		Heptachlor	76-44-8	0.10	mg/kg	<0.10	<0.10	0.0
		Heptachlor epoxide	1024-57-3	0.10	mg/kg	<0.10	<0.10	0.0
		Aldrin	309-00-2	0.10	mg/kg	<0.10	<0.10	0.0
		Dieldrin	60-57-1	0.10	mg/kg	<0.10	<0.10	0.0
		Endrin	72-20-8	0.10	mg/kg	<0.10	<0.10	0.0
		Endosulfan 1	959-98-8	0.10	mg/kg	<0.10	<0.10	0.0
		Endosulfan 2	33213-65-9	0.10	mg/kg	<0.10	<0.10	0.0
		Endosulfan sulfate	1031-07-8	0.10	mg/kg	<0.10	<0.10	0.0
		4,4'-DDD	72-54-8	0.10	mg/kg	<0.10	<0.10	0.0
		4,4'-DDE	72-55-9	0.10	mg/kg	<0.10	<0.10	0.0
		4,4'-DDT	50-29-3	0.20	mg/kg	<0.20	<0.20	0.0
		cis-Chlordane	5103-71-9	0.10	mg/kg	<0.10	<0.10	0.0
		trans-Chlordane	5103-74-2	0.10	mg/kg	<0.10	<0.10	0.0
		Endrin ketone	53494-70-5	0.10	mg/kg	<0.10	<0.10	0.0
		Methoxychlor	72-43-5	0.10	mg/kg	<0.10	<0.10	0.0
		BHC	---	0.10	mg/kg	<0.10	<0.10	0.0
		DDT	---	0.20	mg/kg	<0.20	<0.20	0.0
		2,4-DDT	789-02-6	0.20	mg/kg	<0.20	<0.20	0.0
		Mirex	2385-85-5	0.10	mg/kg	<0.10	<0.10	0.0
ORGANICS - SVOCs - Organophosphorus Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
SH1600257-001	jiaoshibei 1-0.5	Dichlorvos	62-73-7	0.10	mg/kg	<0.10	<0.10	0.0
		Dimethoate	60-51-5	0.10	mg/kg	<0.10	<0.10	0.0



Matrix: SOIL				Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)		
ORGANICS - SVOCs - Organophosphorus Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007 - Continued										
SH1600257-001	jiaoshibei 1-0.5	Diazinon	333-41-5	0.10	mg/kg	<0.10	<0.10	0.0		
		Chlorpyrifos	2921-88-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Chlorpyrifos-methyl	5598-13-0	0.10	mg/kg	<0.10	<0.10	0.0		
		Malathion	121-75-5	0.10	mg/kg	<0.10	<0.10	0.0		
		Fenthion	55-38-9	0.10	mg/kg	<0.10	<0.10	0.0		
		Pirimphos-ethyl	23505-41-1	0.10	mg/kg	<0.10	<0.10	0.0		
		Ethion	563-12-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Prothiofos	34643-46-4	0.10	mg/kg	<0.10	<0.10	0.0		
		Clofenvinfos E/Z1	---	0.10	mg/kg	<0.10	<0.10	0.0		
		Clofenvinfos E/Z2	---	0.10	mg/kg	<0.10	<0.10	0.0		
		Clofenvinfos E/Z3	---	0.10	mg/kg	<0.10	<0.10	0.0		
		Monocrotophos	6923-22-4	0.10	mg/kg	<0.10	<0.10	0.0		
		Parathion	56-38-2	0.10	mg/kg	<0.10	<0.10	0.0		
		Parathion-methyl	298-00-0	0.10	mg/kg	<0.10	<0.10	0.0		
		Bromophos-ethyl	4824-78-6	0.10	mg/kg	<0.10	<0.10	0.0		
		Fenamiphos	22224-92-6	0.10	mg/kg	<0.10	<0.10	0.0		
		Carbophenothion	786-19-6	0.10	mg/kg	<0.10	<0.10	0.0		
		Azinphos Methyl	86-50-0	0.10	mg/kg	<0.10	<0.10	0.0		
		ORGANICS - SVOCs - Other SVOCs (QC Lot: 4140034): USEPA 8270D(Rev 4):2007								
		SH1600257-001	jiaoshibei 1-0.5	Hexachlorocyclopentadiene	77-47-4	0.10	mg/kg	<0.10	<0.10	0.0
Atrazine	1912-24-9			0.10	mg/kg	<0.10	<0.10	0.0		

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
Metals - Metals and Major Cations (QC Lot: 4140028): USEPA 6010C(Rev 3):2007											
Antimony	7440-36-0	0.5	mg/kg	<0.5	10 mg/kg	98.8	----	80	120	----	----
Arsenic	7440-38-2	1	mg/kg	<1.0	10 mg/kg	105	----	80	120	----	----
Beryllium	7440-41-7	0.5	mg/kg	<0.5	10 mg/kg	109	----	80	120	----	----
Cadmium	7440-43-9	0.1	mg/kg	<0.10	10 mg/kg	100	----	80	120	----	----
Chromium	7440-47-3	0.5	mg/kg	<0.5	10 mg/kg	105	----	80	120	----	----
Copper	7440-50-8	0.5	mg/kg	<0.5	10 mg/kg	104	----	80	120	----	----
Lead	7439-92-1	0.5	mg/kg	<0.5	10 mg/kg	105	----	80	120	----	----
Nickel	7440-02-0	0.5	mg/kg	<0.5	10 mg/kg	104	----	80	120	----	----
Selenium	7782-49-2	0.5	mg/kg	<0.5	10 mg/kg	103	----	80	120	----	----
Silver	7440-22-4	0.5	mg/kg	<0.5	10 mg/kg	99.6	----	80	120	----	----
Thallium	7440-28-0	0.5	mg/kg	<0.5	10 mg/kg	107	----	80	120	----	----
Zinc	7440-66-6	0.5	mg/kg	<0.5	10 mg/kg	105	----	80	120	----	----
Metals - Metals and Major Cations (QC Lot: 4140029): USEPA 7470A(Rev 1):1994											
Mercury	7439-97-6	0.02	mg/kg	<0.02	2 mg/kg	99.5	----	80	120	----	----
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4139990): USEPA 8260C(Rev 3):2006											
C6 - C9 Fraction	----	2	mg/kg	<2.0	1.6 mg/kg	90.2	----	40	150	----	----



Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4140035): USEPA 8015C(Rev 3):2007											
C10 - C14 Fraction	----	50	mg/kg	<50	150 mg/kg	85.1	----	50	150	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	350 mg/kg	88.9	----	50	150	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	200 mg/kg	87.8	----	50	150	----	----
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
Benzene	71-43-2	0.01	mg/kg	<0.010	0.08 mg/kg	88.4	----	40	150	----	----
Toluene	108-88-3	0.01	mg/kg	<0.010	0.08 mg/kg	78.0	----	40	150	----	----
Ethylbenzene	100-41-4	0.01	mg/kg	<0.010	0.08 mg/kg	85.2	----	40	150	----	----
Styrene	100-42-5	0.01	mg/kg	<0.010	0.08 mg/kg	79.0	----	40	150	----	----
meta- & para-Xylene	108-38-3	0.01	mg/kg	<0.010	0.16 mg/kg	89.1	----	40	150	----	----
ortho-Xylene	95-47-6	0.01	mg/kg	<0.010	0.08 mg/kg	86.5	----	40	150	----	----
n-Propylbenzene	103-65-1	0.01	mg/kg	<0.010	0.08 mg/kg	82.0	----	40	150	----	----
Isopropylbenzene	98-82-8	0.01	mg/kg	<0.010	0.08 mg/kg	82.2	----	40	150	----	----
n-Butylbenzene	104-51-8	0.01	mg/kg	<0.010	0.08 mg/kg	89.4	----	40	150	----	----
tert-Butylbenzene	98-06-6	0.01	mg/kg	<0.010	0.08 mg/kg	78.9	----	40	150	----	----
sec-Butylbenzene	135-98-8	0.01	mg/kg	<0.010	0.08 mg/kg	81.7	----	40	150	----	----
p-Isopropyltoluene	99-87-6	0.01	mg/kg	<0.010	0.08 mg/kg	86.9	----	40	150	----	----
1,3,5-Trimethylbenzene	108-67-8	0.01	mg/kg	<0.010	0.08 mg/kg	79.3	----	40	150	----	----
1,2,4-Trimethylbenzene	95-63-6	0.01	mg/kg	<0.010	0.08 mg/kg	79.3	----	40	150	----	----
ORGANICS - VOCs - Oxygenated Compounds (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
2-Propanone (Acetone)	67-64-1	0.2	mg/kg	<0.20	0.8 mg/kg	92.3	----	40	150	----	----
2-Butanone (MEK)	78-93-3	0.2	mg/kg	<0.20	0.8 mg/kg	111	----	40	150	----	----
2-Hexanone (MBK)	591-78-6	0.2	mg/kg	<0.20	0.8 mg/kg	84.0	----	40	150	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	0.2	mg/kg	<0.20	0.8 mg/kg	72.5	----	40	150	----	----
Vinyl Acetate	108-05-4	0.2	mg/kg	<0.20	0.8 mg/kg	69.2	----	40	150	----	----
ORGANICS - VOCs - Sulfonated Compounds (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
Carbon disulfide	75-15-0	0.1	mg/kg	<0.10	0.8 mg/kg	69.1	----	40	150	----	----
ORGANICS - VOCs - Fumigants (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
2,2-Dichloropropane	594-20-7	0.1	mg/kg	<0.10	0.08 mg/kg	91.2	----	40	150	----	----
1,2-Dichloropropane	78-87-5	0.01	mg/kg	<0.010	0.08 mg/kg	99.1	----	40	150	----	----
cis-1,3-Dichloropropylene	10061-01-5	0.01	mg/kg	<0.010	0.08 mg/kg	101	----	40	150	----	----
trans-1,3-Dichloropropylene	10061-02-6	0.01	mg/kg	<0.010	0.08 mg/kg	87.9	----	40	150	----	----
1,2-Dibromoethane (EDB)	106-93-4	0.01	mg/kg	<0.010	0.08 mg/kg	83.7	----	40	150	----	----
ORGANICS - VOCs - Halogenated Aliphatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
Dichlorodifluoromethane	75-71-8	1	mg/kg	<1.0	0.8 mg/kg	86.2	----	40	150	----	----
Chloromethane	74-87-3	1	mg/kg	<1.0	0.8 mg/kg	71.5	----	40	150	----	----
Bromomethane	74-83-9	0.1	mg/kg	<0.10	0.8 mg/kg	79.3	----	40	150	----	----
Iodomethane	74-88-4	0.1	mg/kg	<0.10	0.8 mg/kg	88.2	----	40	150	----	----
Vinyl chloride	75-01-4	0.1	mg/kg	<0.10	0.8 mg/kg	87.4	----	40	150	----	----
Trichlorofluoromethane	75-69-4	0.1	mg/kg	<0.10	0.8 mg/kg	63.1	----	40	150	----	----
Chloroethane	75-00-3	0.1	mg/kg	<0.10	0.8 mg/kg	67.4	----	40	150	----	----
Methylene chloride	75-09-2	0.01	mg/kg	<0.010	0.08 mg/kg	93.5	----	40	150	----	----
Dibromomethane	74-95-3	0.01	mg/kg	<0.010	0.08 mg/kg	74.1	----	40	150	----	----
Carbon Tetrachloride	56-23-5	0.01	mg/kg	<0.010	0.08 mg/kg	92.7	----	40	150	----	----



Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
ORGANICS - VOCs - Halogenated Aliphatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006 - Continued											
Pentachloroethane	76-01-7	0.01	mg/kg	<0.010	0.08 mg/kg	78.9	---	40	150	---	---
1,1-Dichloroethane	75-34-3	0.01	mg/kg	<0.010	0.08 mg/kg	81.7	---	40	150	---	---
1,2-Dichloroethane	107-06-2	0.01	mg/kg	<0.010	0.08 mg/kg	74.9	---	40	150	---	---
1,1,1-Trichloroethane	71-55-6	0.01	mg/kg	<0.010	0.08 mg/kg	60.9	---	40	150	---	---
1,1,2-Trichloroethane	79-00-5	0.01	mg/kg	<0.010	0.08 mg/kg	77.7	---	40	150	---	---
1,1,1,2-Tetrachloroethane	630-20-6	0.01	mg/kg	<0.010	0.08 mg/kg	92.7	---	40	150	---	---
1,1,2,2-Tetrachloroethane	79-34-5	0.01	mg/kg	<0.010	0.08 mg/kg	104	---	40	150	---	---
1,2,3-Trichloropropane	96-18-4	0.01	mg/kg	<0.010	0.08 mg/kg	97.5	---	40	150	---	---
1,2-Dibromo-3-chloropropane	96-12-8	0.01	mg/kg	<0.010	0.08 mg/kg	105	---	40	150	---	---
1,1-Dichloroethene	75-35-4	0.01	mg/kg	<0.010	0.08 mg/kg	77.4	---	40	150	---	---
trans-1,2-Dichloroethene	156-60-5	0.01	mg/kg	<0.010	0.08 mg/kg	80.7	---	40	150	---	---
cis-1,2-Dichloroethene	156-59-2	0.01	mg/kg	<0.010	0.08 mg/kg	84.1	---	40	150	---	---
Trichloroethene	79-01-6	0.01	mg/kg	<0.010	0.08 mg/kg	91.2	---	40	150	---	---
Tetrachloroethene	127-18-4	0.01	mg/kg	<0.010	0.08 mg/kg	72.8	---	40	150	---	---
1,1-Dichloropropylene	563-58-6	0.01	mg/kg	<0.010	0.08 mg/kg	81.0	---	40	150	---	---
cis-1,4-Dichloro-2-butene	1476-11-5	0.01	mg/kg	<0.010	0.08 mg/kg	87.2	---	40	150	---	---
trans-1,4-Dichloro-2-butene	110-57-6	0.01	mg/kg	<0.010	0.08 mg/kg	100	---	40	150	---	---
ORGANICS - VOCs - Halogenated Aromatics (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
1,3-Dichloropropane	142-28-9	0.01	mg/kg	<0.010	0.08 mg/kg	76.1	---	40	150	---	---
Chlorobenzene	108-90-7	0.01	mg/kg	<0.010	0.08 mg/kg	91.9	---	40	150	---	---
Bromobenzene	108-86-1	0.01	mg/kg	<0.010	0.08 mg/kg	99.4	---	40	150	---	---
2-Chlorotoluene	95-49-8	0.01	mg/kg	<0.010	0.08 mg/kg	95.6	---	40	150	---	---
4-Chlorotoluene	106-43-4	0.01	mg/kg	<0.010	0.08 mg/kg	82.8	---	40	150	---	---
1,2,3-Trichlorobenzene	87-61-6	0.01	mg/kg	<0.010	0.08 mg/kg	70.4	---	40	150	---	---
ORGANICS - VOCs - Trihalomethanes (THM) (QC Lot: 4139989): USEPA 8260C(Rev 3):2006											
Chloroform	67-66-3	0.01	mg/kg	<0.010	0.08 mg/kg	71.6	---	40	150	---	---
Bromoform	75-25-2	0.01	mg/kg	<0.010	0.08 mg/kg	66.6	---	40	150	---	---
Bromodichloromethane	75-27-4	0.01	mg/kg	<0.010	0.08 mg/kg	85.9	---	40	150	---	---
Dibromochloromethane	124-48-1	0.01	mg/kg	<0.010	0.08 mg/kg	91.2	---	40	150	---	---
ORGANICS - SVOCs - Phenols (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Phenol	108-95-2	0.1	mg/kg	<0.10	0.25 mg/kg	90.5	---	50	130	---	---
2-Methylphenol	95-48-7	0.1	mg/kg	<0.10	0.25 mg/kg	82.2	---	50	130	---	---
3- & 4-Methylphenol	1319-77-3	0.1	mg/kg	<0.10	0.5 mg/kg	80.8	---	50	130	---	---
2,4-Dimethylphenol	105-67-9	0.1	mg/kg	<0.10	0.25 mg/kg	78.1	---	50	130	---	---
2-Nitrophenol	88-75-5	0.1	mg/kg	<0.10	0.25 mg/kg	55.4	---	50	130	---	---
2-Chlorophenol	95-57-8	0.1	mg/kg	<0.10	0.25 mg/kg	80.6	---	50	130	---	---
2,4-Dichlorophenol	120-83-2	0.1	mg/kg	<0.10	0.25 mg/kg	66.2	---	50	130	---	---
2,6-Dichlorophenol	87-65-0	0.1	mg/kg	<0.10	0.25 mg/kg	67.0	---	50	130	---	---
4-Chloro-3-Methylphenol	59-50-7	0.1	mg/kg	<0.10	0.25 mg/kg	65.7	---	50	130	---	---
2,4,5-Trichlorophenol	95-95-4	0.1	mg/kg	<0.10	0.25 mg/kg	69.3	---	50	130	---	---
2,4,6-Trichlorophenol	88-06-2	0.1	mg/kg	<0.10	0.25 mg/kg	55.4	---	50	130	---	---
Pentachlorophenol	87-86-5	0.2	mg/kg	<0.20	0.25 mg/kg	58.8	---	50	130	---	---
2,3,4,6-Tetrachlorophenol	58-90-2	0.1	mg/kg	<0.10	0.25 mg/kg	51.1	---	50	130	---	---



Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs) (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Naphthalene	91-20-3	0.1	mg/kg	<0.10	0.25 mg/kg	79.7	---	50	130	---	---
2-Methylnaphthalene	91-57-6	0.1	mg/kg	<0.10	0.25 mg/kg	79.6	---	50	130	---	---
2-Chloronaphthalene	91-58-7	0.1	mg/kg	<0.10	0.25 mg/kg	85.5	---	50	130	---	---
Acenaphthene	83-32-9	0.1	mg/kg	<0.10	0.25 mg/kg	83.3	---	50	130	---	---
Acenaphthylene	208-96-8	0.1	mg/kg	<0.10	0.25 mg/kg	84.7	---	50	130	---	---
Fluorene	86-73-7	0.1	mg/kg	<0.10	0.25 mg/kg	82.8	---	50	130	---	---
Phenanthrene	85-01-8	0.1	mg/kg	<0.10	0.25 mg/kg	80.9	---	50	130	---	---
Anthracene	120-12-7	0.1	mg/kg	<0.10	0.25 mg/kg	90.3	---	50	130	---	---
Fluoranthene	206-44-0	0.1	mg/kg	<0.10	0.25 mg/kg	83.6	---	50	130	---	---
Pyrene	129-00-0	0.1	mg/kg	<0.10	0.25 mg/kg	87.3	---	50	130	---	---
N-2-Fluorenyl Acetamide	53-96-3	0.1	mg/kg	<0.10	0.25 mg/kg	74.6	---	50	130	---	---
Benz(a)anthracene	56-55-3	0.1	mg/kg	<0.10	0.25 mg/kg	76.0	---	50	130	---	---
Chrysene	218-01-9	0.1	mg/kg	<0.10	0.25 mg/kg	89.9	---	50	130	---	---
Benzo(b)fluoranthene	205-99-2	0.1	mg/kg	<0.10	0.25 mg/kg	65.1	---	50	130	---	---
Benzo(k)fluoranthene	207-08-9	0.1	mg/kg	<0.10	0.25 mg/kg	93.4	---	50	130	---	---
7,12-Dimethylbenz(a)anthracene	57-97-6	0.1	mg/kg	<0.10	0.25 mg/kg	79.6	---	50	130	---	---
Benzo(a)pyrene	50-32-8	0.01	mg/kg	<0.02	0.25 mg/kg	81.0	---	50	130	---	---
3-Methylcholanthrene	56-49-5	0.1	mg/kg	<0.10	0.25 mg/kg	98.0	---	50	130	---	---
Indeno(1,2,3-cd)pyrene	193-39-5	0.1	mg/kg	<0.10	0.25 mg/kg	74.0	---	50	130	---	---
Dibenz(a,h)anthracene	53-70-3	0.1	mg/kg	<0.10	0.25 mg/kg	80.8	---	50	130	---	---
Benzo(g,h,i)perylene	191-24-2	0.1	mg/kg	<0.10	0.25 mg/kg	83.7	---	50	130	---	---
ORGANICS - SVOCs - Phthalate Esters (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Dimethyl phthalate	131-11-3	0.1	mg/kg	<0.10	0.25 mg/kg	77.1	---	50	130	---	---
Diethyl phthalate	84-66-2	0.1	mg/kg	<0.10	0.25 mg/kg	83.4	---	50	130	---	---
Di-n-butyl phthalate	84-74-2	0.1	mg/kg	<0.10	0.25 mg/kg	87.0	---	50	130	---	---
Butyl benzyl phthalate	85-68-7	0.1	mg/kg	<0.10	0.25 mg/kg	85.2	---	50	130	---	---
Di-n-octylphthalate	117-84-0	0.1	mg/kg	<0.10	0.25 mg/kg	82.7	---	50	130	---	---
Bis(2-ethylhexyl)phthalate	117-81-7	1	mg/kg	<1.0	0.25 mg/kg	97.2	---	50	130	---	---
ORGANICS - SVOCs - Nitrosamines (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
N-Nitrosomethylethylamine	10595-95-6	0.1	mg/kg	<0.10	0.25 mg/kg	85.4	---	50	130	---	---
N-Nitrosodiethylamine	55-18-5	0.1	mg/kg	<0.10	0.25 mg/kg	89.0	---	50	130	---	---
N-Nitrosopyrrolidine	930-55-2	0.2	mg/kg	<0.20	0.25 mg/kg	100	---	50	130	---	---
N-Nitrosodi-n-propylamine	621-64-7	0.1	mg/kg	<0.10	0.25 mg/kg	88.2	---	50	130	---	---
N-Nitrosomorpholine	59-89-2	0.1	mg/kg	<0.10	0.25 mg/kg	87.0	---	50	130	---	---
N-Nitrosopiperidine	100-75-4	0.1	mg/kg	<0.10	0.25 mg/kg	81.8	---	50	130	---	---
N-Nitrosodibutylamine	924-16-3	0.1	mg/kg	<0.10	0.25 mg/kg	79.7	---	50	130	---	---
Diphenylamine & N-Nitrosodiphenylamine	122-39-4 86-30-6	0.2	mg/kg	<0.20	0.25 mg/kg	82.6	---	50	130	---	---
Methapyrilene	91-80-5	0.1	mg/kg	<0.10	0.25 mg/kg	102	---	50	130	---	---
ORGANICS - SVOCs - Nitroaromatics and Ketones (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Nitrobenzene	98-95-3	0.1	mg/kg	<0.10	0.25 mg/kg	84.6	---	50	130	---	---
2,4-Dinitrotoluene	121-14-2	0.2	mg/kg	<0.20	0.25 mg/kg	64.9	---	50	130	---	---
2,6-Dinitrotoluene	606-20-2	0.2	mg/kg	<0.20	0.25 mg/kg	74.6	---	50	130	---	---



Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
ORGANICS - SVOCs - Nitroaromatics and Ketones (QC Lot: 4140034): USEPA 8270D(Rev 4):2007 - Continued											
1,3,5-Trinitrobenzene	99-35-4	0.1	mg/kg	<0.10	0.25 mg/kg	59.2	----	50	130	----	----
Pentachloronitrobenzene	82-68-8	0.1	mg/kg	<0.10	0.25 mg/kg	72.6	----	50	130	----	----
Azobenzene	103-33-3	0.1	mg/kg	<0.10	0.25 mg/kg	80.4	----	50	130	----	----
4-Aminobiphenyl	92-67-1	0.1	mg/kg	<0.10	0.25 mg/kg	82.6	----	50	130	----	----
Dimethylaminoazobenzene	60-11-7	0.1	mg/kg	<0.10	0.25 mg/kg	68.2	----	50	130	----	----
2-Picoline	109-06-8	0.1	mg/kg	<0.10	0.25 mg/kg	69.6	----	50	130	----	----
Acetophenone	98-86-2	0.1	mg/kg	<0.10	0.25 mg/kg	79.9	----	50	130	----	----
Isophorone	78-59-1	0.1	mg/kg	<0.10	0.25 mg/kg	78.7	----	50	130	----	----
1-Naphthylamine	134-32-7	0.1	mg/kg	<0.10	0.25 mg/kg	81.0	----	50	130	----	----
5-Nitro-o-toluidine	99-55-8	0.1	mg/kg	<0.10	0.25 mg/kg	101	----	50	130	----	----
Pronamide	23950-58-5	0.1	mg/kg	<0.10	0.25 mg/kg	86.6	----	50	130	----	----
Phenacetin	62-44-2	0.1	mg/kg	<0.10	0.25 mg/kg	69.0	----	50	130	----	----
4-Nitroquinoline-N-oxide	56-57-5	0.1	mg/kg	<0.10	0.25 mg/kg	66.1	----	50	130	----	----
ORGANICS - SVOCs - Haloethers (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Bis(2-chloroethyl) ether	111-44-4	0.1	mg/kg	<0.10	0.25 mg/kg	86.8	----	50	130	----	----
Bis(2-chloroethoxy) methane	111-91-1	0.1	mg/kg	<0.10	0.25 mg/kg	85.6	----	50	130	----	----
4-Chlorophenyl phenyl ether	7005-72-3	0.1	mg/kg	<0.10	0.25 mg/kg	72.7	----	50	130	----	----
4-Bromophenyl phenyl ether	101-55-3	0.1	mg/kg	<0.10	0.25 mg/kg	79.5	----	50	130	----	----
Dichloroisopropyl ether	108-60-1	0.1	mg/kg	<0.10	0.25 mg/kg	75.9	----	50	130	----	----
ORGANICS - SVOCs - Chlorinated Hydrocarbons (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
1,3-Dichlorobenzene	541-73-1	0.05	mg/kg	<0.05	0.25 mg/kg	76.4	----	50	130	----	----
1,4-Dichlorobenzene	106-46-7	0.05	mg/kg	<0.05	0.25 mg/kg	78.6	----	50	130	----	----
1,2-Dichlorobenzene	95-50-1	0.05	mg/kg	<0.05	0.25 mg/kg	77.5	----	50	130	----	----
1,2,4-Trichlorobenzene	120-82-1	0.05	mg/kg	<0.05	0.25 mg/kg	74.0	----	50	130	----	----
Pentachlorobenzene	608-93-5	0.05	mg/kg	<0.05	0.25 mg/kg	76.4	----	50	130	----	----
Hexachlorobenzene (HCB)	118-74-1	0.01	mg/kg	<0.025	0.25 mg/kg	78.2	----	50	130	----	----
Hexachloroethane	67-72-1	0.05	mg/kg	<0.05	0.25 mg/kg	67.8	----	50	130	----	----
Hexachloropropylene	1888-71-7	0.05	mg/kg	<0.05	0.25 mg/kg	64.5	----	50	130	----	----
Hexachlorobutadiene	87-68-3	0.05	mg/kg	<0.05	0.25 mg/kg	67.5	----	50	130	----	----
ORGANICS - SVOCs - Anilines and Benzidines (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Aniline	62-53-3	0.1	mg/kg	<0.10	0.25 mg/kg	67.9	----	50	130	----	----
2-Nitroaniline	88-74-4	0.2	mg/kg	<0.20	0.25 mg/kg	75.6	----	50	130	----	----
3-Nitroaniline	99-09-2	0.2	mg/kg	<0.20	0.25 mg/kg	101	----	50	130	----	----
4-Nitroaniline	100-01-6	0.1	mg/kg	<0.10	0.25 mg/kg	95.0	----	50	130	----	----
4-Chloroaniline	106-47-8	0.1	mg/kg	<0.10	0.25 mg/kg	63.2	----	50	130	----	----
3,3'-Dichlorobenzidine	91-94-1	0.1	mg/kg	<0.10	0.25 mg/kg	80.4	----	50	130	----	----
Dibenzofuran	132-64-9	0.1	mg/kg	<0.10	0.25 mg/kg	80.0	----	50	130	----	----
Carbazole	86-74-8	0.1	mg/kg	<0.10	0.25 mg/kg	99.4	----	50	130	----	----
ORGANICS - SVOCs - Organochlorine Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
alpha-BHC	319-84-6	0.1	mg/kg	<0.10	0.25 mg/kg	81.5	----	50	130	----	----
beta-BHC	319-85-7	0.1	mg/kg	<0.10	0.25 mg/kg	78.8	----	50	130	----	----
gamma-BHC	58-89-9	0.1	mg/kg	<0.10	0.25 mg/kg	81.0	----	50	130	----	----
delta-BHC	319-86-8	0.1	mg/kg	<0.10	0.25 mg/kg	81.6	----	50	130	----	----



Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
ORGANICS - SVOCs - Organochlorine Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007 - Continued											
Heptachlor	76-44-8	0.1	mg/kg	<0.10	0.25 mg/kg	77.7	----	50	130	----	----
Heptachlor epoxide	1024-57-3	0.1	mg/kg	<0.10	0.25 mg/kg	77.8	----	50	130	----	----
Aldrin	309-00-2	0.1	mg/kg	<0.10	0.25 mg/kg	78.2	----	50	130	----	----
Dieldrin	60-57-1	0.1	mg/kg	<0.10	0.25 mg/kg	90.4	----	50	130	----	----
Endrin	72-20-8	0.1	mg/kg	<0.10	0.25 mg/kg	82.9	----	50	130	----	----
Endosulfan 1	959-98-8	0.1	mg/kg	<0.10	0.25 mg/kg	87.8	----	50	130	----	----
Endosulfan 2	33213-65-9	0.1	mg/kg	<0.10	0.25 mg/kg	88.9	----	50	130	----	----
Endosulfan sulfate	1031-07-8	0.1	mg/kg	<0.10	0.25 mg/kg	80.1	----	50	130	----	----
4,4'-DDD	72-54-8	0.1	mg/kg	<0.10	0.25 mg/kg	70.1	----	50	130	----	----
4,4'-DDE	72-55-9	0.1	mg/kg	<0.10	0.25 mg/kg	82.4	----	50	130	----	----
4,4'-DDT	50-29-3	0.2	mg/kg	<0.20	0.25 mg/kg	82.7	----	50	130	----	----
cis-Chlordane	5103-71-9	0.1	mg/kg	<0.10	0.25 mg/kg	87.0	----	50	130	----	----
trans-Chlordane	5103-74-2	0.1	mg/kg	<0.10	0.25 mg/kg	87.0	----	50	130	----	----
Endrin ketone	53494-70-5	0.1	mg/kg	<0.10	0.25 mg/kg	76.3	----	50	130	----	----
Methoxychlor	72-43-5	0.1	mg/kg	<0.10	0.25 mg/kg	82.4	----	50	130	----	----
2,4-DDT	789-02-6	0.2	mg/kg	<0.20	0.25 mg/kg	72.0	----	50	130	----	----
Mirex	2385-85-5	0.1	mg/kg	<0.10	0.25 mg/kg	59.6	----	50	130	----	----
ORGANICS - SVOCs - Organophosphorus Pesticides (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Dichlorvos	62-73-7	0.1	mg/kg	<0.10	0.25 mg/kg	73.0	----	50	130	----	----
Dimethoate	60-51-5	0.1	mg/kg	<0.10	0.25 mg/kg	68.4	----	50	130	----	----
Diazinon	333-41-5	0.1	mg/kg	<0.10	0.25 mg/kg	81.2	----	50	130	----	----
Chlorpyrifos	2921-88-2	0.1	mg/kg	<0.10	0.25 mg/kg	81.1	----	50	130	----	----
Chlorpyrifos-methyl	5598-13-0	0.1	mg/kg	<0.10	0.25 mg/kg	69.4	----	50	130	----	----
Malathion	121-75-5	0.1	mg/kg	<0.10	0.25 mg/kg	83.0	----	50	130	----	----
Fenthion	55-38-9	0.1	mg/kg	<0.10	0.25 mg/kg	119	----	50	130	----	----
Pirimphos-ethyl	23505-41-1	0.1	mg/kg	<0.10	0.25 mg/kg	78.6	----	50	130	----	----
Ethion	563-12-2	0.1	mg/kg	<0.10	0.25 mg/kg	81.8	----	50	130	----	----
Prothiofos	34643-46-4	0.1	mg/kg	<0.10	0.25 mg/kg	92.1	----	50	130	----	----
Clofenvinfos E/Z1	----	0.1	mg/kg	<0.10	0.25 mg/kg	99.9	----	50	130	----	----
Clofenvinfos E/Z2	----	0.1	mg/kg	<0.10	0.25 mg/kg	91.4	----	50	130	----	----
Clofenvinfos E/Z3	----	0.1	mg/kg	<0.10	0.25 mg/kg	81.1	----	50	130	----	----
Monocrotophos	6923-22-4	0.1	mg/kg	<0.10	0.25 mg/kg	118	----	50	130	----	----
Parathion	56-38-2	0.1	mg/kg	<0.10	0.25 mg/kg	76.6	----	50	130	----	----
Parathion-methyl	298-00-0	0.1	mg/kg	<0.10	0.25 mg/kg	59.2	----	50	130	----	----
Bromophos-ethyl	4824-78-6	0.1	mg/kg	<0.10	0.25 mg/kg	81.6	----	50	130	----	----
Fenamiphos	22224-92-6	0.1	mg/kg	<0.10	0.25 mg/kg	109	----	50	130	----	----
Carbophenothion	786-19-6	0.1	mg/kg	<0.10	0.25 mg/kg	84.8	----	50	130	----	----
Azinphos Methyl	86-50-0	0.1	mg/kg	<0.10	0.25 mg/kg	54.9	----	50	130	----	----
ORGANICS - SVOCs - Other SVOCs (QC Lot: 4140034): USEPA 8270D(Rev 4):2007											
Hexachlorocyclopentadiene	77-47-4	0.5	mg/kg	<0.50	0.25 mg/kg	75.4	----	50	130	----	----
Atrazine	1912-24-9	0.1	mg/kg	<0.10	0.25 mg/kg	70.2	----	50	130	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report





- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.

Surrogate Control Limits

Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
ORGANICS - TPH(Volatile)/BTEX Surrogate: USEPA 8260C(Rev 3):2006			
Dibromofluoromethane	1868-53-7	40	150
Toluene-D8	2037-26-5	40	150
4-Bromofluorobenzene	460-00-4	40	150
ORGANICS - VOCs - Volatile Analytes Surrogates: USEPA 8260C(Rev 3):2006			
Dibromofluoromethane	1868-53-7	40	150
Toluene-D8	2037-26-5	40	150
4-Bromofluorobenzene	460-00-4	40	150
ORGANICS - SVOCs - Acid Extractable Surrogates: USEPA 8270D(Rev 4):2007			
2-Fluorophenol	367-12-4	40	150
Phenol-d6	13127-88-3	40	150
2,4,6-Tribromophenol	118-79-6	40	150
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: USEPA 8270D(Rev 4):2007			
Nitrobenzene -d5	4165-60-0	40	150
2-Fluorobiphenyl	321-60-8	40	150
4-Terphenyl-d14	1718-51-0	40	150