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CNAS L2383



CERTIFICATE OF ANALYSIS

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Order number : -----
C-O-C number : -----
Site : -----

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Page : 1 of 17
Work Order : SH1600258
Amendment : 1

Date Samples Received : 22-FEB-2016
Date Samples Analysed : 22-FEB-2016
Issue Date : 23-FEB-2016
No. of samples received : 4
No. of samples analysed : 4

This document has been signed by the authorised signatories.

Audited by

Guixiang Li

Approved by

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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: 23-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: SH1600258
Water sample(s) analysed and reported on an as received basis.



Analytical Results

Sub-Matrix: WATER

Sub-Matrix: WATER				Client sample ID	jiaoshibe1	jiaoshibe2	shitangnan	caochangbei	
				Client sampling date / time	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	
				ALS Sample ID	SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
CAS Number		LOR	Unit						
INORGANICS - Nonmetallic Constituents: GB/T 5750.4-2006(5)									
pH	---	0.10	pH Unit	6.95	6.80	7.03	8.01		
INORGANICS - Nonmetallic Constituents: GB/T 5750.5-2006									
Ammonia as N	7664-41-7	0.010	mg/L	0.034	0.044	0.272	0.146		
INORGANICS - Aggregate Organic Constituents: GB/T 11914 - 1989									
Chemical Oxygen Demand (COD-Cr)	---	5	mg/L	<5	5	17	42		
INORGANICS - Aggregate Organic Constituents: GB/T 5750.4-2006(9)									
Volatile Phenols(as phenol)	---	0.0020	mg/L	0.0042	<0.0020	<0.0020	0.0064		
Metals - Metals and Major Cations: US EPA 6020A(Rev 1):2007									
Antimony	7440-36-0	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010		
Arsenic	7440-38-2	0.0010	mg/L	0.0016	0.0048	0.0084	0.0065		
Beryllium	7440-41-7	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010		
Cadmium	7440-43-9	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010		
Chromium	7440-47-3	0.0010	mg/L	0.0026	0.0025	0.0031	0.0022		
Copper	7440-50-8	0.0010	mg/L	0.0070	0.0330	0.0102	0.0152		
Lead	7439-92-1	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010		
Nickel	7440-02-0	0.0010	mg/L	0.0012	0.0016	0.0022	0.0034		
Selenium	7782-49-2	0.0010	mg/L	0.0018	0.0014	<0.0010	0.0015		
Silver	7440-22-4	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010		
Thallium	7440-28-0	0.0005	mg/L	<0.0005	<0.0005	<0.0005	<0.0005		
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005		
Metals - Metals and Major Cations: USEPA 7470A(Rev 1):1994									
Mercury	7439-97-6	0.00005	mg/L	<0.00005	<0.00005	<0.00005	<0.00005		
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8260C(Rev 3):2006									
C6 - C9 Fraction	---	20.0	µg/L	<20.0	<20.0	<20.0	<20.0		
ORGANICS - Total Petroleum Hydrocarbons (TPH): USEPA 8015C(Rev 3):2007									
C10 - C14 Fraction	---	50	µg/L	<50	<50	<50	<50		
C15 - C28 Fraction	---	100	µg/L	<100	<100	<100	<100		
C29 - C36 Fraction	---	50	µg/L	<50	<50	<50	<50		
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH): USEPA 8260C(Rev 3):2006									
Benzene	71-43-2	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Toluene	108-88-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Ethylbenzene	100-41-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Styrene	100-42-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
meta- & para-Xylene	108-38-3 106-42-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
ortho-Xylene	95-47-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
n-Propylbenzene	103-65-1	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Isopropylbenzene	98-82-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
n-Butylbenzene	104-51-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
tert-Butylbenzene	98-06-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
sec-Butylbenzene	135-98-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
p-Isopropyltoluene	99-87-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,3,5-Trimethylbenzene	108-67-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		



Sub-Matrix: WATER				Client sample ID	jiaoshibei1	jiaoshibei2	shitangnan	caochangbei	
				Client sampling date / time	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	
				ALS Sample ID	SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
CAS Number	LOR	Unit							
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH): USEPA 8260C(Rev 3):2006 - Continued									
1,2,4-Trimethylbenzene	95-63-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
ORGANICS - VOCs - Oxygenated Compounds: USEPA 8260C(Rev 3):2006									
2-Propanone (Acetone)	67-64-1	10	µg/L	<10	<10	<10	<10		
2-Butanone (MEK)	78-93-3	10	µg/L	<10	<10	<10	<10		
2-Hexanone (MBK)	591-78-6	1	µg/L	<1	<1	<1	<1		
4-Methyl-2-pentanone (MIBK)	108-10-1	10	µg/L	<10	<10	<10	<10		
Vinyl Acetate	108-05-4	10	µg/L	<10	<10	<10	<10		
ORGANICS - VOCs - Sulfonated Compounds: USEPA 8260C(Rev 3):2006									
Carbon disulfide	75-15-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
ORGANICS - VOCs - Fumigants: USEPA 8260C(Rev 3):2006									
2,2-Dichloropropane	594-20-7	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,2-Dichloropropane	78-87-5	0.10	µg/L	<0.10	1.36	<0.10	<0.10		
cis-1,3-Dichloropropylene	10061-01-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
trans-1,3-Dichloropropylene	10061-02-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,2-Dibromoethane (EDB)	106-93-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
ORGANICS - VOCs - Halogenated Aliphatics: USEPA 8260C(Rev 3):2006									
Dichlorodifluoromethane	75-71-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Chloromethane	74-87-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Vinyl chloride	75-01-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Bromomethane	74-83-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Chloroethane	75-00-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Trichlorofluoromethane	75-69-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloroethene	75-35-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Iodomethane	74-88-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Methylene chloride	75-09-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Dibromomethane	74-95-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Carbon Tetrachloride	56-23-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Pentachloroethane	76-01-7	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,1-Dichloroethane	75-34-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,2-Dichloroethane	107-06-2	0.10	µg/L	2.66	1.47	0.30	0.32		
1,1,1-Trichloroethane	71-55-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,1,2-Trichloroethane	79-00-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,1,1,2-Tetrachloroethane	630-20-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,1,2,2-Tetrachloroethane	79-34-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,3-Dichloropropane	142-28-9	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,2,3-Trichloropropane	96-18-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,2-Dibromo-3-chloropropane	96-12-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
trans-1,2-Dichloroethene	156-60-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
cis-1,2-Dichloroethene	156-59-2	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Trichloroethene	79-01-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
Tetrachloroethene	127-18-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
1,1-Dichloropropylene	563-58-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
cis-1,4-Dichloro-2-butene	1476-11-5	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		
trans-1,4-Dichloro-2-butene	110-57-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10		

Sub-Matrix: WATER	Client sample ID			jiaoshibei1	jiaoshibei2	shitangnan	caochangbei	
	Client sampling date / time			21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	
	ALS Sample ID			SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
	CAS Number	LOR	Unit					
ORGANICS - VOCs - Halogenated Aliphatics: USEPA 8260C(Rev 3):2006 - Continued								
Chloroprene	---	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
ORGANICS - VOCs - Halogenated Aromatics: USEPA 8260C(Rev 3):2006								
Chlorobenzene	108-90-7	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
Bromobenzene	108-86-1	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
2-Chlorotoluene	95-49-8	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
4-Chlorotoluene	106-43-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
1,2,3-Trichlorobenzene	87-61-6	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
1,3,5-Trichlorobenzene	108-70-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
ORGANICS - VOCs - Trihalomethanes (THM): USEPA 8260C(Rev 3):2006								
Chloroform	67-66-3	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
Bromoform	75-25-2	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
Bromodichloromethane	75-27-4	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
Dibromochloromethane	124-48-1	0.10	µg/L	<0.10	<0.10	<0.10	<0.10	
ORGANICS - SVOCs - Phenols: US EPA 8270D(Rev 4):2007								
Phenol	108-95-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Methylphenol	95-48-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
3- & 4-Methylphenol	1319-77-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,4-Dimethylphenol	105-67-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Nitrophenol	88-75-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Chlorophenol	95-57-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,4-Dichlorophenol	120-83-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,6-Dichlorophenol	87-65-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
4-Chloro-3-methylphenol	59-50-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,4,5-Trichlorophenol	95-95-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,4,6-Trichlorophenol	88-06-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Pentachlorophenol	87-86-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs): US EPA 8270D(Rev 4):2007								
Naphthalene	91-20-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Methylnaphthalene	91-57-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Chloronaphthalene	91-58-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Acenaphthene	83-32-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Acenaphthylene	208-96-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Fluorene	86-73-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Phenanthrene	85-01-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Anthracene	120-12-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Fluoranthene	206-44-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Pyrene	129-00-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-2-Fluorenyl Acetamide	53-96-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Benz(a)anthracene	56-55-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Chrysene	218-01-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Benzo(b)fluoranthene	205-99-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Benzo(k)fluoranthene	207-08-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Benzo(b) & Benzo(k)fluoranthene	205-99-2 207-08-9	2.0	µg/L	<2.0	<2.0	<2.0	<2.0	
7,12-Dimethylbenz(a)anthracene	57-97-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	

Sub-Matrix: WATER	Client sample ID			jiaoshabei1	jiaoshabei2	shitangnan	caochangbei	
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	ALS Sample ID			SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
	CAS Number	LOR	Unit					
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs): US EPA 8270D(Rev 4):2007 - Continued								
Benzo(a)pyrene	50-32-8	1.00	µg/L	<1.00	<1.00	<1.00	<1.00	
3-Methylcholanthrene	56-49-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Indeno(1,2,3-cd)pyrene	193-39-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Dibenz(a,h)anthracene	53-70-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Benzo(g,h,i)perylene	191-24-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
ORGANICS - SVOCs - Phthalate Esters: US EPA 8270D(Rev 4):2007								
Dimethyl phthalate	131-11-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Diethyl phthalate	84-66-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Di-n-butyl phthalate	84-74-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Butyl benzyl phthalate	85-68-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Di-n-octylphthalate	117-84-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Bis(2-ethylhexyl)phthalate	117-81-7	5	µg/L	<5	<5	<5	<5	
ORGANICS - SVOCs - Nitrosamines: US EPA 8270D(Rev 4):2007								
N-Nitrosomethylethylamine	10595-95-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosodiethylamine	55-18-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosopyrrolidine	930-55-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosodi-n-propylamine	621-64-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosomorpholine	59-89-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosopiperidine	100-75-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
N-Nitrosodibutylamine	924-16-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Diphenylamine & N-Nitrosodiphenylamine	122-39-4 86-30-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Methapyriline	91-80-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
ORGANICS - SVOCs - Nitroaromatics and Ketones: US EPA 8270D(Rev 4):2007								
Nitrobenzene	98-95-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2,4-Dinitrotoluene	121-14-2	1.00	µg/L	<1.00	<1.00	<1.00	<1.00	
2,6-Dinitrotoluene	606-20-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
1,3,5-Trinitrobenzene	99-35-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Pentachloronitrobenzene	82-68-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Azobenzene	103-33-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
4-Aminobiphenyl	92-67-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Dimethylaminoazobenzene	60-11-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
2-Picoline	109-06-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Acetophenone	98-86-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Isophorone	78-59-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
1-Naphthylamine	134-32-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
5-Nitro-o-toluidine	99-55-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Pronamide	23950-58-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Phenacetin	62-44-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
4-Nitroquinoline-N-oxide	56-57-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
Chlorobenzilate	510-15-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
1-Chloro-2-nitrobenzene	88-73-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
1-Chloro-3-nitrobenzene	121-73-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	
ORGANICS - SVOCs - Haloethers								



Sub-Matrix: WATER				Client sample ID	jiaoshibi1	jiaoshibi2	shitangnan	caochangbei	
				Client sampling date / time	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	
				ALS Sample ID	SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Haloethers: US EPA 8270D(Rev 4):2007 - Continued									
Bis(2-chloroethyl) ether	111-44-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Bis(2-chloroethoxy) methane	111-91-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4-Chlorophenyl phenyl ether	7005-72-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4-Bromophenyl phenyl ether	101-55-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Dichloroisopropyl ether	108-60-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
ORGANICS - SVOCs - Chlorinated Hydrocarbons: US EPA 8270D(Rev 4):2007									
1,3-Dichlorobenzene	541-73-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
1,4-Dichlorobenzene	106-46-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
1,2-Dichlorobenzene	95-50-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trichlorobenzene	120-82-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Pentachlorobenzene	608-93-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Hexachloroethane	67-72-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Hexachloropropylene	1888-71-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Hexachlorobutadiene	87-68-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Hexachlorocyclopentadiene	77-47-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
ORGANICS - SVOCs - Anilines and Benzidines: US EPA 8270D(Rev 4):2007									
Aniline	62-53-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
2-Nitroaniline	88-74-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
3-Nitroaniline	99-09-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4-Nitroaniline	100-01-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4-Chloroaniline	106-47-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
3,3'-Dichlorobenzidine	91-94-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Dibenzofuran	132-64-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Carbazole	86-74-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
ORGANICS - SVOCs - Organochlorine Pesticides: US EPA 8270D(Rev 4):2007									
Hexachlorobenzene (HCB)	118-74-1	1.00	µg/L	<1.00	<1.00	<1.00	<1.00		
alpha-BHC	319-84-6	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
beta-BHC	319-85-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
gamma-BHC	58-89-9	1.00	µg/L	<1.00	<1.00	<1.00	<1.00		
delta-BHC	319-86-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Heptachlor	76-44-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Heptachlor epoxide	1024-57-3	1.00	µg/L	<1.00	<1.00	<1.00	<1.00		
Aldrin	309-00-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Dieldrin	60-57-1	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Endrin	72-20-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Endosulfan 1	959-98-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Endosulfan 2	33213-65-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Endosulfan sulfate	1031-07-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4,4'-DDD	72-54-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4,4'-DDE	72-55-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
4,4'-DDT	50-29-3	2.0	µg/L	<2.0	<2.0	<2.0	<2.0		
cis-Chlordane	5103-71-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
trans-Chlordane	5103-74-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		
Endrin aldehyde	7421-93-4	1.0	µg/L	<1.0	<1.0	<1.0	<1.0		



Sub-Matrix: WATER				Client sample ID	jiaoshibei1	jiaoshibei2	shitangnan	caochangbei	
				Client sampling date / time	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	21-FEB-2016 15:00	
				ALS Sample ID	SH1600258-001	SH1600258-002	SH1600258-003	SH1600258-004	
CAS Number	LOR	Unit							
ORGANICS - SVOCs - Organochlorine Pesticides: US EPA 8270D(Rev 4):2007 - Continued									
Endrin ketone	53494-70-5	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Methoxychlor	72-43-5	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
2,4'-DDT	789-02-6	2.0	µg/L		<2.0	<2.0	<2.0	<2.0	
ORGANICS - SVOCs - Organophosphorus Pesticides: US EPA 8270D(Rev 4):2007									
Dichlorvos	62-73-7	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Dimethoate	60-51-5	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Diazinon	333-41-5	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Chlorpyrifos	2921-88-2	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Chlorpyrifos-methyl	5598-13-0	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Malathion	121-75-5	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Fenthion	55-38-9	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Pirimphos-ethyl	23505-41-1	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Ethion	563-12-2	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Prothiofos	34643-46-4	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Clofenvinfos E/Z1	----	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Clofenvinfos E/Z2	----	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Clofenvinfos E/Z3	----	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Monocrotophos	6923-22-4	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Parathion	56-38-2	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Parathion-methyl	298-00-0	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Bromophos-ethyl	4824-78-6	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Fenamiphos	22224-92-6	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Carbophenothion	786-19-6	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
Azinphos Methyl	86-50-0	1.0	µg/L		<1.0	<1.0	<1.0	<1.0	
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	%		108	110	101	109	
Toluene-D8	2037-26-5	0.1	%		109	108	93.4	87.7	
4-Bromofluorobenzene	460-00-4	0.1	%		83.1	93.0	95.8	98.4	
ORGANICS - SVOCs - Acid Extractable Surrogates: US EPA 8270D(Rev 4):2007								Surrogate control limits listed at end of this report.	
2-Fluorophenol	367-12-4	0.1	%		65.5	55.8	43.4	56.3	
Phenol-d6	13127-88-3	0.1	%		50.8	44.0	52.0	41.6	
2,4,6-Tribromophenol	118-79-6	0.1	%		105	61.6	80.1	95.6	
ORGANICS - SVOCs - Base/Neutral Extractable Surrogates: US EPA 8270D(Rev 4):2007								Surrogate control limits listed at end of this report.	
Nitrobenzene -d5	4165-60-0	0.1	%		69.6	53.2	53.7	60.5	
2-Fluorobiphenyl	321-60-8	0.1	%		69.8	44.1	58.0	63.1	
4-Terphenyl-d14	1718-51-0	0.1	%		92.6	60.8	71.3	76.7	

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
INORGANICS - Nonmetallic Constituents (QC Lot: 4140053): GB/T 5750.4-2006(5)								
SH1600258-001	jiaoshibei1	pH	---	0.10	pH Unit	6.95	6.96	0.1
INORGANICS - Nonmetallic Constituents (QC Lot: 4140056): GB/T 5750.5-2006								
SH1600258-001	jiaoshibei1	Ammonia as N	7664-41-7	0.010	mg/L	0.034	0.034	0.0
INORGANICS - Aggregate Organic Constituents (QC Lot: 4140054): GB/T 11914 - 1989								
SH1600258-004	caochangbei	Chemical Oxygen Demand (COD-Cr)	---	5	mg/L	42	42	0.0
INORGANICS - Aggregate Organic Constituents (QC Lot: 4140055): GB/T 5750.4-2006(9)								
SH1600258-001	jiaoshibei1	Volatile Phenols(as phenol)	---	0.0020	mg/L	0.0042	0.0038	10.0
Metals - Metals and Major Cations (QC Lot: 4140032): US EPA 6020A(Rev 1):2007								
SH1600258-002	jiaoshibei2	Antimony	7440-36-0	0.0010	mg/L	<0.0010	<0.0010	0.0
		Arsenic	7440-38-2	0.0010	mg/L	0.0048	0.0043	11.5
		Beryllium	7440-41-7	0.0010	mg/L	<0.0010	<0.0010	0.0
		Cadmium	7440-43-9	0.00010	mg/L	<0.00010	<0.00010	0.0
		Chromium	7440-47-3	0.0010	mg/L	0.0025	0.0021	18.0
		Copper	7440-50-8	0.0010	mg/L	0.0330	0.0332	0.6
		Lead	7439-92-1	0.0010	mg/L	<0.0010	<0.0010	0.0
		Nickel	7440-02-0	0.0010	mg/L	0.0016	0.0017	0.0
		Selenium	7782-49-2	0.0010	mg/L	0.0014	0.0014	0.0
		Silver	7440-22-4	0.0010	mg/L	<0.0010	<0.0010	0.0
		Thallium	7440-28-0	0.0005	mg/L	<0.0005	<0.0005	0.0
		Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0
Metals - Metals and Major Cations (QC Lot: 4140033): USEPA 7470A(Rev 1):1994								
SH1600258-002	jiaoshibei2	Mercury	7439-97-6	0.00005	mg/L	<0.00005	<0.00005	0.0
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4141104): USEPA 8260C(Rev 3):2006								
SH1600258-001	jiaoshibei1	C6 - C9 Fraction	---	20.0	µg/L	<20.0	<20.0	0.0
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 4141103): USEPA 8260C(Rev 3):2006								
SH1600258-001	jiaoshibei1	Benzene	71-43-2	0.10	µg/L	<0.10	<0.10	0.0
		Toluene	108-88-3	0.10	µg/L	<0.10	<0.10	0.0
		Ethylbenzene	100-41-4	0.10	µg/L	<0.10	<0.10	0.0
		Styrene	100-42-5	0.10	µg/L	<0.10	<0.10	0.0
		meta- & para-Xylene	108-38-3	0.10	µg/L	<0.10	<0.10	0.0
			106-42-3					
		ortho-Xylene	95-47-6	0.10	µg/L	<0.10	<0.10	0.0
		n-Propylbenzene	103-65-1	0.10	µg/L	<0.10	<0.10	0.0
		Isopropylbenzene	98-82-8	0.10	µg/L	<0.10	<0.10	0.0
		n-Butylbenzene	104-51-8	0.10	µg/L	<0.10	<0.10	0.0
		tert-Butylbenzene	98-06-6	0.10	µg/L	<0.10	<0.10	0.0
		sec-Butylbenzene	135-98-8	0.10	µg/L	<0.10	<0.10	0.0
		p-Isopropyltoluene	99-87-6	0.10	µg/L	<0.10	<0.10	0.0
		1,3,5-Trimethylbenzene	108-67-8	0.10	µg/L	<0.10	<0.10	0.0
		1,2,4-Trimethylbenzene	95-63-6	0.10	µg/L	<0.10	<0.10	0.0
ORGANICS - VOCs - Oxygenated Compounds (QC Lot: 4141103): USEPA 8260C(Rev 3):2006								

Matrix: WATER				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: 4141103): USEPA 8260C(Rev 3):2006 - Continued										
SH1600258-001	jiaoshibei1	2-Propanone (Acetone)	67-64-1	10	µg/L	<10	<10	0.0		
		2-Butanone (MEK)	78-93-3	10	µg/L	<10	<10	0.0		
		2-Hexanone (MBK)	591-78-6	1	µg/L	<1	<1	0.0		
		4-Methyl-2-pentanone (MIBK)	108-10-1	10	µg/L	<10	<10	0.0		
		Vinyl Acetate	108-05-4	10	µg/L	<10	<10	0.0		
ORGANICS - VOCs - Sulfonated Compounds (QC Lot: 4141103): USEPA 8260C(Rev 3):2006										
SH1600258-001	jiaoshibei1	Carbon disulfide	75-15-0	1.0	µg/L	<1.0	<1.0	0.0		
ORGANICS - VOCs - Fumigants (QC Lot: 4141103): USEPA 8260C(Rev 3):2006										
SH1600258-001	jiaoshibei1	2,2-Dichloropropane	594-20-7	0.10	µg/L	<0.10	<0.10	0.0		
		1,2-Dichloropropane	78-87-5	0.10	µg/L	<0.10	<0.10	0.0		
		cis-1,3-Dichloropropylene	10061-01-5	0.10	µg/L	<0.10	<0.10	0.0		
		trans-1,3-Dichloropropylene	10061-02-6	0.10	µg/L	<0.10	<0.10	0.0		
		1,2-Dibromoethane (EDB)	106-93-4	0.10	µg/L	<0.10	<0.10	0.0		
ORGANICS - VOCs - Halogenated Aliphatics (QC Lot: 4141103): USEPA 8260C(Rev 3):2006										
SH1600258-001	jiaoshibei1	Dichlorodifluoromethane	75-71-8	1.0	µg/L	<1.0	<1.0	0.0		
		Chloromethane	74-87-3	1.0	µg/L	<1.0	<1.0	0.0		
		Vinyl chloride	75-01-4	1.0	µg/L	<1.0	<1.0	0.0		
		Bromomethane	74-83-9	1.0	µg/L	<1.0	<1.0	0.0		
		Chloroethane	75-00-3	1.0	µg/L	<1.0	<1.0	0.0		
		Trichlorofluoromethane	75-69-4	1.0	µg/L	<1.0	<1.0	0.0		
		1,1-Dichloroethene	75-35-4	0.10	µg/L	<0.10	<0.10	0.0		
		Iodomethane	74-88-4	1.0	µg/L	<1.0	<1.0	0.0		
		Methylene chloride	75-09-2	1.0	µg/L	<1.0	<1.0	0.0		
		Dibromomethane	74-95-3	0.10	µg/L	<0.10	<0.10	0.0		
		Carbon Tetrachloride	56-23-5	0.10	µg/L	<0.10	<0.10	0.0		
		Pentachloroethane	76-01-7	0.10	µg/L	<0.10	<0.10	0.0		
		1,1-Dichloroethane	75-34-3	0.10	µg/L	<0.10	<0.10	0.0		
		1,2-Dichloroethane	107-06-2	0.10	µg/L	2.66	2.42	9.7		
		1,1,1-Trichloroethane	71-55-6	0.10	µg/L	<0.10	<0.10	0.0		
		1,1,2-Trichloroethane	79-00-5	0.10	µg/L	<0.10	<0.10	0.0		
		1,1,1,2-Tetrachloroethane	630-20-6	0.10	µg/L	<0.10	<0.10	0.0		
		1,1,2,2-Tetrachloroethane	79-34-5	0.10	µg/L	<0.10	<0.10	0.0		
		1,3-Dichloropropane	142-28-9	0.10	µg/L	<0.10	<0.10	0.0		
		1,2,3-Trichloropropane	96-18-4	0.10	µg/L	<0.10	<0.10	0.0		
		1,2-Dibromo-3-chloropropane	96-12-8	0.10	µg/L	<0.10	<0.10	0.0		
		trans-1,2-Dichloroethene	156-60-5	0.10	µg/L	<0.10	<0.10	0.0		
		cis-1,2-Dichloroethene	156-59-2	0.10	µg/L	<0.10	<0.10	0.0		
		Trichloroethene	79-01-6	0.10	µg/L	<0.10	<0.10	0.0		
		Tetrachloroethene	127-18-4	0.10	µg/L	<0.10	<0.10	0.0		
		1,1-Dichloropropylene	563-58-6	0.10	µg/L	<0.10	<0.10	0.0		
		cis-1,4-Dichloro-2-butene	1476-11-5	0.10	µg/L	<0.10	<0.10	0.0		
		trans-1,4-Dichloro-2-butene	110-57-6	0.10	µg/L	<0.10	<0.10	0.0		
		Chloroprene	---	0.10	µg/L	<0.10	<0.10	0.0		
		ORGANICS - VOCs - Halogenated Aromatics (QC Lot: 4141103): USEPA 8260C(Rev 3):2006								



Matrix: WATER					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: 4141103): USEPA 8260C(Rev 3):2006 - Continued								
SH1600258-001	jiaoshibei1	Chlorobenzene	108-90-7	0.10	µg/L	<0.10	<0.10	0.0
		Bromobenzene	108-86-1	0.10	µg/L	<0.10	<0.10	0.0
		2-Chlorotoluene	95-49-8	0.10	µg/L	<0.10	<0.10	0.0
		4-Chlorotoluene	106-43-4	0.10	µg/L	<0.10	<0.10	0.0
		1,2,3-Trichlorobenzene	87-61-6	0.10	µg/L	<0.10	<0.10	0.0
		1,3,5-Trichlorobenzene	108-70-3	0.10	µg/L	<0.10	<0.10	0.0
ORGANICS - VOCs - Trihalomethanes (THM) (QC Lot: 4141103): USEPA 8260C(Rev 3):2006								
SH1600258-001	jiaoshibei1	Chloroform	67-66-3	0.10	µg/L	<0.10	<0.10	0.0
		Bromoform	75-25-2	0.10	µg/L	<0.10	<0.10	0.0
		Bromodichloromethane	75-27-4	0.10	µg/L	<0.10	<0.10	0.0
		Dibromochloromethane	124-48-1	0.10	µg/L	<0.10	<0.10	0.0

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

Matrix: WATER		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
INORGANICS - Nonmetallic Constituents (QC Lot: 4140053): GB/T 5750.4-2006(5)													
pH	---	0.1	pH Unit	<0.10	6.86 pH Unit	99.8		---	80	120	---	---	
INORGANICS - Nonmetallic Constituents (QC Lot: 4140056): GB/T 5750.5-2006													
Ammonia as N	7664-41-7	0.01	mg/L	<0.010	1.00 mg/L	94.2		---	80	120	---	---	
INORGANICS - Aggregate Organic Constituents (QC Lot: 4140054): GB/T 11914 - 1989													
Chemical Oxygen Demand (COD-Cr)	----	5	mg/L	<5	100 mg/L	101		---	80	120	----	----	
INORGANICS - Aggregate Organic Constituents (QC Lot: 4140055): GB/T 5750.4-2006(9)													
Volatile Phenols(as phenol)	---	0.002	mg/L	<0.0020	0.05 mg/L	91.8		---	80	120	---	---	
Metals - Metals and Major Cations (QC Lot: 4140032): US EPA 6020A(Rev 1):2007													
Antimony	7440-36-0	0.001	mg/L	<0.0010	0.2 mg/L	104		----	80	120	----	----	
Arsenic	7440-38-2	0.001	mg/L	<0.0010	0.2 mg/L	99.4		----	80	120	----	----	
Beryllium	7440-41-7	0.001	mg/L	<0.0010	0.2 mg/L	97.5		----	80	120	----	----	
Cadmium	7440-43-9	0.0001	mg/L	<0.00010	0.2 mg/L	106		----	80	120	----	----	
Chromium	7440-47-3	0.001	mg/L	<0.0010	0.2 mg/L	99.4		----	80	120	----	----	
Copper	7440-50-8	0.001	mg/L	<0.0010	0.2 mg/L	105		----	80	120	----	----	
Lead	7439-92-1	0.001	mg/L	<0.0010	0.2 mg/L	104		----	80	120	----	----	
Nickel	7440-02-0	0.001	mg/L	<0.0010	0.2 mg/L	106		----	80	120	----	----	
Selenium	7782-49-2	0.001	mg/L	<0.0010	0.2 mg/L	110		----	80	120	----	----	
Silver	7440-22-4	0.001	mg/L	<0.0010	0.2 mg/L	103		----	80	120	----	----	
Thallium	7440-28-0	0.0005	mg/L	<0.0005	0.2 mg/L	104		----	80	120	----	----	
Zinc	7440-66-6	0.005	mg/L	<0.005	0.2 mg/L	104		----	80	120	----	----	
Metals - Metals and Major Cations (QC Lot: 4140033): USEPA 7470A(Rev 1):1994													
Mercury	7439-97-6	0.00005	mg/L	<0.00005	1 mg/L	99.6		----	80	120	----	----	
ORGANICS - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4141104): USEPA 8260C(Rev 3):2006													
C6 - C9 Fraction	----	2	µg/L	<2.0	40 µg/L	104		----	40	150	----	----	



Matrix: WATER

Matrix: WATER		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 - Total Petroleum Hydrocarbons (TPH) (QC Lot: 4140037): USEPA 8015C(Rev 3):2007													
C10 - C14 Fraction	----	50	µg/L	<50	300 µg/L	85.0	----	40	150	----	----		
C15 - C28 Fraction	----	100	µg/L	<100	700 µg/L	88.8	----	40	150	----	----		
C29 - C36 Fraction	----	50	µg/L	<50	400 µg/L	83.2	----	40	150	----	----		
ORGANICS - VOCs - Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 4141103): USEPA 8260C(Rev 3):2006													
Benzene	71-43-2	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----		
Toluene	108-88-3	0.1	µg/L	<0.10	2 µg/L	109	----	50	130	----	----		
Ethylbenzene	100-41-4	0.1	µg/L	<0.10	2 µg/L	99.8	----	50	130	----	----		
Styrene	100-42-5	0.1	µg/L	<0.10	2 µg/L	108	----	50	130	----	----		
meta- & para-Xylene	108-38-3 106-42-3	0.1	µg/L	<0.10	4 µg/L	95.2	----	50	130	----	----		
ortho-Xylene	95-47-6	0.1	µg/L	<0.10	2 µg/L	98.0	----	50	130	----	----		
n-Propylbenzene	103-65-1	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----		
Isopropylbenzene	98-82-8	0.1	µg/L	<0.10	2 µg/L	99.6	----	50	130	----	----		
n-Butylbenzene	104-51-8	0.1	µg/L	<0.10	2 µg/L	98.6	----	50	130	----	----		
tert-Butylbenzene	98-06-6	0.1	µg/L	<0.10	2 µg/L	98.3	----	50	130	----	----		
sec-Butylbenzene	135-98-8	0.1	µg/L	<0.10	2 µg/L	102	----	50	130	----	----		
p-Isopropyltoluene	99-87-6	0.1	µg/L	<0.10	2 µg/L	106	----	50	130	----	----		
1,3,5-Trimethylbenzene	108-67-8	0.1	µg/L	<0.10	2 µg/L	98.5	----	50	130	----	----		
1,2,4-Trimethylbenzene	95-63-6	0.1	µg/L	<0.10	2 µg/L	98.4	----	50	130	----	----		
ORGANICS - VOCs - Oxygenated Compounds (QC Lot: 4141103): USEPA 8260C(Rev 3):2006													
2-Propanone (Acetone)	67-64-1	10	µg/L	<10	20 µg/L	96.5	----	50	130	----	----		
2-Butanone (MEK)	78-93-3	10	µg/L	<10	20 µg/L	98.2	----	50	130	----	----		
2-Hexanone (MBK)	591-78-6	1	µg/L	<1	20 µg/L	96.3	----	50	130	----	----		
4-Methyl-2-pentanone (MIBK)	108-10-1	10	µg/L	<10	20 µg/L	104	----	50	130	----	----		
Vinyl Acetate	108-05-4	10	µg/L	<10	20 µg/L	98.5	----	50	130	----	----		
ORGANICS - VOCs - Sulfonated Compounds (QC Lot: 4141103): USEPA 8260C(Rev 3):2006													
Carbon disulfide	75-15-0	1	µg/L	<1.0	20 µg/L	102	----	50	130	----	----		
ORGANICS - VOCs - Fumigants (QC Lot: 4141103): USEPA 8260C(Rev 3):2006													
2,2-Dichloropropane	594-20-7	0.1	µg/L	<0.10	2 µg/L	105	----	50	130	----	----		
1,2-Dichloropropane	78-87-5	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----		
cis-1,3-Dichloropropylene	10061-01-5	0.1	µg/L	<0.10	2 µg/L	99.5	----	50	130	----	----		
trans-1,3-Dichloropropylene	10061-02-6	0.1	µg/L	<0.10	2 µg/L	110	----	50	130	----	----		
1,2-Dibromoethane (EDB)	106-93-4	0.1	µg/L	<0.10	2 µg/L	110	----	50	130	----	----		
ORGANICS - VOCs - Halogenated Aliphatics (QC Lot: 4141103): USEPA 8260C(Rev 3):2006													
Dichlorodifluoromethane	75-71-8	1	µg/L	<1.0	20 µg/L	103	----	50	130	----	----		
Chloromethane	74-87-3	1	µg/L	<1.0	20 µg/L	103	----	50	130	----	----		
Vinyl chloride	75-01-4	1	µg/L	<1.0	20 µg/L	97.8	----	50	130	----	----		
Bromomethane	74-83-9	1	µg/L	<1.0	20 µg/L	98.2	----	50	130	----	----		
Chloroethane	75-00-3	1	µg/L	<1.0	20 µg/L	99.8	----	50	130	----	----		
Trichlorofluoromethane	75-69-4	1	µg/L	<1.0	20 µg/L	107	----	50	130	----	----		
1,1-Dichloroethene	75-35-4	0.1	µg/L	<0.10	2 µg/L	96.5	----	50	130	----	----		
Iodomethane	74-88-4	1	µg/L	<1.0	20 µg/L	98.3	----	50	130	----	----		
Methylene chloride	75-09-2	1	µg/L	<1.0	2 µg/L	101	----	50	130	----	----		
Dibromomethane	74-95-3	0.1	µg/L	<0.10	2 µg/L	99.9	----	50	130	----	----		



Matrix: WATER		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: 4141103): USEPA 8260C(Rev 3):2006 - Continued											
Carbon Tetrachloride	56-23-5	0.1	µg/L	<0.10	2 µg/L	102	----	50	130	----	----
Pentachloroethane	76-01-7	0.1	µg/L	<0.10	2 µg/L	98.8	----	50	130	----	----
1,1-Dichloroethane	75-34-3	0.1	µg/L	<0.10	2 µg/L	102	----	50	130	----	----
1,2-Dichloroethane	107-06-2	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----
1,1,1-Trichloroethane	71-55-6	0.1	µg/L	<0.10	2 µg/L	103	----	50	130	----	----
1,1,2-Trichloroethane	79-00-5	0.1	µg/L	<0.10	2 µg/L	95.3	----	50	130	----	----
1,1,1,2-Tetrachloroethane	630-20-6	0.1	µg/L	<0.10	2 µg/L	108	----	50	130	----	----
1,1,2,2-Tetrachloroethane	79-34-5	0.1	µg/L	<0.10	2 µg/L	98.4	----	50	130	----	----
1,3-Dichloropropane	142-28-9	0.1	µg/L	<0.10	2 µg/L	103	----	50	130	----	----
1,2,3-Trichloropropane	96-18-4	0.1	µg/L	<0.10	2 µg/L	102	----	50	130	----	----
1,2-Dibromo-3-chloropropane	96-12-8	0.1	µg/L	<0.10	2 µg/L	97.9	----	50	130	----	----
trans-1,2-Dichloroethene	156-60-5	0.1	µg/L	<0.10	2 µg/L	97.5	----	50	130	----	----
cis-1,2-Dichloroethene	156-59-2	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----
Trichloroethene	79-01-6	0.1	µg/L	<0.10	2 µg/L	96.9	----	50	130	----	----
Tetrachloroethene	127-18-4	0.1	µg/L	<0.10	2 µg/L	109	----	50	130	----	----
1,1-Dichloropropylene	563-58-6	0.1	µg/L	<0.10	2 µg/L	95.5	----	50	130	----	----
cis-1,4-Dichloro-2-butene	1476-11-5	0.1	µg/L	<0.10	2 µg/L	84.9	----	50	130	----	----
trans-1,4-Dichloro-2-butene	110-57-6	0.1	µg/L	<0.10	2 µg/L	93.4	----	50	130	----	----
Chloroprene	----	0.1	µg/L	<0.10	----	----	----	----	----	----	----
ORGANICS - VOCs - Halogenated Aromatics (QC Lot: 4141103): USEPA 8260C(Rev 3):2006											
Chlorobenzene	108-90-7	0.1	µg/L	<0.10	2 µg/L	106	----	50	130	----	----
Bromobenzene	108-86-1	0.1	µg/L	<0.10	2 µg/L	100	----	50	130	----	----
2-Chlorotoluene	95-49-8	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----
4-Chlorotoluene	106-43-4	0.1	µg/L	<0.10	2 µg/L	101	----	50	130	----	----
1,2,3-Trichlorobenzene	87-61-6	0.1	µg/L	<0.10	2 µg/L	99.0	----	50	130	----	----
1,3,5-Trichlorobenzene	108-70-3	0.1	µg/L	<0.10	----	----	----	----	----	----	----
ORGANICS - VOCs - Trihalomethanes (THM) (QC Lot: 4141103): USEPA 8260C(Rev 3):2006											
Chloroform	67-66-3	0.1	µg/L	<0.10	2 µg/L	104	----	50	130	----	----
Bromoform	75-25-2	0.1	µg/L	<0.10	2 µg/L	110	----	50	130	----	----
Bromodichloromethane	75-27-4	0.1	µg/L	<0.10	2 µg/L	95.2	----	50	130	----	----
Dibromochloromethane	124-48-1	0.1	µg/L	<0.10	2 µg/L	105	----	50	130	----	----
ORGANICS - SVOCs - Phenols (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
Phenol	108-95-2	1	µg/L	<1.0	5 µg/L	83.9	----	40	150	----	----
2-Methylphenol	95-48-7	1	µg/L	<1.0	5 µg/L	97.5	----	40	150	----	----
3- & 4-Methylphenol	1319-77-3	1	µg/L	<1.0	10 µg/L	91.4	----	40	150	----	----
2,4-Dimethylphenol	105-67-9	1	µg/L	<1.0	5 µg/L	76.7	----	40	150	----	----
2-Nitrophenol	88-75-5	1	µg/L	<1.0	5 µg/L	59.1	----	40	150	----	----
2-Chlorophenol	95-57-8	1	µg/L	<1.0	5 µg/L	85.2	----	40	150	----	----
2,4-Dichlorophenol	120-83-2	1	µg/L	<1.0	5 µg/L	74.7	----	40	150	----	----
2,6-Dichlorophenol	87-65-0	1	µg/L	<1.0	5 µg/L	82.3	----	40	150	----	----
4-Chloro-3-Methylphenol	59-50-7	1	µg/L	<1.0	5 µg/L	84.4	----	40	150	----	----
2,4,5-Trichlorophenol	95-95-4	1	µg/L	<1.0	5 µg/L	77.8	----	40	150	----	----
2,4,6-Trichlorophenol	88-06-2	1	µg/L	<1.0	5 µg/L	70.5	----	40	150	----	----

Matrix: WATER		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 - Phenols (QC Lot: 4140036): US EPA 8270D(Rev 4):2007 - Continued												
Pentachlorophenol	87-86-5	1	µg/L	<1.0	5 µg/L	59.0	---	40	150	---	---	
ORGANICS - SVOCs - Polyaromatic Hydrocarbons (PAHs) (QC Lot: 4140036): US EPA 8270D(Rev 4):2007												
Naphthalene	91-20-3	1	µg/L	<1.0	5 µg/L	77.4	---	40	150	---	---	
2-Methylnaphthalene	91-57-6	1	µg/L	<1.0	5 µg/L	82.0	---	40	150	---	---	
2-Chloronaphthalene	91-58-7	1	µg/L	<1.0	5 µg/L	79.0	---	40	150	---	---	
Acenaphthene	83-32-9	1	µg/L	<1.0	5 µg/L	79.5	---	40	150	---	---	
Acenaphthylene	208-96-8	1	µg/L	<1.0	5 µg/L	81.2	---	40	150	---	---	
Fluorene	86-73-7	1	µg/L	<1.0	5 µg/L	80.5	---	40	150	---	---	
Phenanthrene	85-01-8	1	µg/L	<1.0	5 µg/L	80.7	---	40	150	---	---	
Anthracene	120-12-7	1	µg/L	<1.0	5 µg/L	80.1	---	40	150	---	---	
Fluoranthene	206-44-0	1	µg/L	<1.0	5 µg/L	77.7	---	40	150	---	---	
Pyrene	129-00-0	1	µg/L	<1.0	5 µg/L	83.1	---	40	150	---	---	
N-2-Fluorenyl Acetamide	53-96-3	1	µg/L	<1.0	5 µg/L	89.1	---	40	150	---	---	
Benz(a)anthracene	56-55-3	1	µg/L	<1.0	5 µg/L	84.0	---	40	150	---	---	
Chrysene	218-01-9	1	µg/L	<1.0	5 µg/L	80.0	---	40	150	---	---	
Benzo(b)fluoranthene	205-99-2	1	µg/L	<1.0	5 µg/L	80.4	---	40	150	---	---	
Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	5 µg/L	80.8	---	40	150	---	---	
Benzo(b) & Benzo(k)fluoranthene	205-99-2 207-08-9	2	µg/L	<2.0	10 µg/L	80.6	---	40	150	---	---	
7,12-Dimethylbenz(a)anthracene	57-97-6	1	µg/L	<1.0	5 µg/L	77.8	---	40	150	---	---	
Benzo(a)pyrene	50-32-8	0.002	µg/L	<0.500	5 µg/L	81.7	---	40	150	---	---	
3-Methylcholanthrene	56-49-5	1	µg/L	<1.0	5 µg/L	60.3	---	40	150	---	---	
Indeno(1,2,3.cd)pyrene	193-39-5	1	µg/L	<1.0	5 µg/L	86.5	---	40	150	---	---	
Dibenz(a,h)anthracene	53-70-3	1	µg/L	<1.0	5 µg/L	86.6	---	40	150	---	---	
Benzo(g,h,i)perylene	191-24-2	1	µg/L	<1.0	5 µg/L	76.3	---	40	150	---	---	
ORGANICS - SVOCs - Phthalate Esters (QC Lot: 4140036): US EPA 8270D(Rev 4):2007												
Dimethyl phthalate	131-11-3	1	µg/L	<1.0	5 µg/L	86.7	---	40	150	---	---	
Diethyl phthalate	84-66-2	1	µg/L	<1.0	5 µg/L	87.4	---	40	150	---	---	
Di-n-butyl phthalate	84-74-2	1	µg/L	<1.0	5 µg/L	83.8	---	40	150	---	---	
Butyl benzyl phthalate	85-68-7	1	µg/L	<1.0	5 µg/L	81.7	---	40	150	---	---	
Di-n-octylphthalate	117-84-0	1	µg/L	<1.0	5 µg/L	81.3	---	40	150	---	---	
Bis(2-ethylhexyl)phthalate	117-81-7	5	µg/L	<5	5 µg/L	94.3	---	40	150	---	---	
ORGANICS - SVOCs - Nitrosamines (QC Lot: 4140036): US EPA 8270D(Rev 4):2007												
N-Nitrosomethylethylamine	10595-95-6	1	µg/L	<1.0	5 µg/L	76.1	---	40	150	---	---	
N-Nitrosodiethylamine	55-18-5	1	µg/L	<1.0	5 µg/L	92.8	---	40	150	---	---	
N-Nitrosopyrrolidine	930-55-2	1	µg/L	<1.0	5 µg/L	85.1	---	40	150	---	---	
N-Nitrosodi-n-propylamine	621-64-7	1	µg/L	<1.0	5 µg/L	86.0	---	40	150	---	---	
N-Nitrosomorpholine	59-89-2	1	µg/L	<1.0	5 µg/L	87.2	---	40	150	---	---	
N-Nitrosopiperidine	100-75-4	1	µg/L	<1.0	5 µg/L	84.5	---	40	150	---	---	
N-Nitrosodibutylamine	924-16-3	1	µg/L	<1.0	5 µg/L	81.9	---	40	150	---	---	
Diphenylamine & N-Nitrosodiphenylamine	122-39-4 86-30-6	1	µg/L	<1.0	5 µg/L	78.6	---	40	150	---	---	
Methapyrilene	91-80-5	1	µg/L	<1.0	5 µg/L	83.0	---	40	150	---	---	
ORGANICS - SVOCs - Nitroaromatics and Ketones (QC Lot: 4140036): US EPA 8270D(Rev 4):2007												



Matrix: WATER		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: 4140036): US EPA 8270D(Rev 4):2007 - Continued											
Nitrobenzene	98-95-3	1	µg/L	<1.0	5 µg/L	80.4	----	40	150	----	----
2,4-Dinitrotoluene	121-14-2	0.3	µg/L	<0.50	5 µg/L	56.5	----	40	150	----	----
2,6-Dinitrotoluene	606-20-2	1	µg/L	<1.0	5 µg/L	67.0	----	40	150	----	----
1,3,5-Trinitrobenzene	99-35-4	1	µg/L	<1.0	5 µg/L	57.4	----	40	150	----	----
Pentachloronitrobenzene	82-68-8	1	µg/L	<1.0	5 µg/L	76.9	----	40	150	----	----
Azobenzene	103-33-3	1	µg/L	<1.0	5 µg/L	76.8	----	40	150	----	----
4-Aminobiphenyl	92-67-1	1	µg/L	<1.0	5 µg/L	83.0	----	40	150	----	----
Dimethylaminoazobenzene	60-11-7	1	µg/L	<1.0	5 µg/L	86.5	----	40	150	----	----
2-Picoline	109-06-8	1	µg/L	<1.0	5 µg/L	65.8	----	40	150	----	----
Acetophenone	98-86-2	1	µg/L	<1.0	5 µg/L	85.7	----	40	150	----	----
Isophorone	78-59-1	1	µg/L	<1.0	5 µg/L	81.4	----	40	150	----	----
1-Naphthylamine	134-32-7	1	µg/L	<1.0	5 µg/L	62.5	----	40	150	----	----
5-Nitro-o-toluidine	99-55-8	1	µg/L	<1.0	5 µg/L	61.6	----	40	150	----	----
Pronamide	23950-58-5	1	µg/L	<1.0	5 µg/L	83.2	----	40	150	----	----
Phenacetin	62-44-2	1	µg/L	<1.0	5 µg/L	83.6	----	40	150	----	----
4-Nitroquinoline-N-oxide	56-57-5	1	µg/L	<1.0	5 µg/L	60.7	----	40	150	----	----
Chlorobenzilate	510-15-6	1	µg/L	<1.0	5 µg/L	91.4	----	40	150	----	----
1-Chloro-2-nitrobenzene	88-73-3	1	µg/L	<1.0	5 µg/L	67.8	----	40	150	----	----
1-Chloro-3-nitrobenzene	121-73-3	1	µg/L	<1.0	5 µg/L	75.5	----	40	150	----	----
ORGANICS - SVOCs - Haloethers (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
Bis(2-chloroethyl) ether	111-44-4	1	µg/L	<1.0	5 µg/L	75.2	----	40	150	----	----
Bis(2-chloroethoxy) methane	111-91-1	1	µg/L	<1.0	5 µg/L	83.8	----	40	150	----	----
4-Chlorophenyl phenyl ether	7005-72-3	1	µg/L	<1.0	5 µg/L	82.8	----	40	150	----	----
4-Bromophenyl phenyl ether	101-55-3	1	µg/L	<1.0	5 µg/L	78.5	----	40	150	----	----
Dichloroisopropyl ether	108-60-1	1	µg/L	<1.0	5 µg/L	77.2	----	40	150	----	----
ORGANICS - SVOCs - Chlorinated Hydrocarbons (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
1,3-Dichlorobenzene	541-73-1	1	µg/L	<1.0	5 µg/L	76.1	----	40	150	----	----
1,4-Dichlorobenzene	106-46-7	1	µg/L	<1.0	5 µg/L	73.1	----	40	150	----	----
1,2-Dichlorobenzene	95-50-1	1	µg/L	<1.0	5 µg/L	75.2	----	40	150	----	----
1,2,4-Trichlorobenzene	120-82-1	1	µg/L	<1.0	5 µg/L	76.5	----	40	150	----	----
Pentachlorobenzene	608-93-5	1	µg/L	<1.0	5 µg/L	78.0	----	40	150	----	----
Hexachloroethane	67-72-1	1	µg/L	<1.0	5 µg/L	76.4	----	40	150	----	----
Hexachloropropylene	1888-71-7	1	µg/L	<1.0	5 µg/L	98.4	----	40	150	----	----
Hexachlorobutadiene	87-68-3	1	µg/L	<1.0	5 µg/L	74.8	----	40	150	----	----
Hexachlorocyclopentadiene	77-47-4	1	µg/L	<1.0	5 µg/L	74.6	----	40	150	----	----
ORGANICS - SVOCs - Anilines and Benzidines (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
Aniline	62-53-3	1	µg/L	<1.0	5 µg/L	89.0	----	40	150	----	----
2-Nitroaniline	88-74-4	1	µg/L	<1.0	5 µg/L	60.2	----	40	150	----	----
3-Nitroaniline	99-09-2	1	µg/L	<1.0	5 µg/L	123	----	40	150	----	----
4-Nitroaniline	100-01-6	1	µg/L	<1.0	5 µg/L	80.9	----	40	150	----	----
4-Chloroaniline	106-47-8	1	µg/L	<1.0	5 µg/L	86.2	----	40	150	----	----
3,3'-Dichlorobenzidine	91-94-1	1	µg/L	<1.0	5 µg/L	79.4	----	40	150	----	----
Dibenzofuran	132-64-9	1	µg/L	<1.0	5 µg/L	83.0	----	40	150	----	----



Matrix: WATER		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 - Anilines and Benzidines (QC Lot: 4140036): US EPA 8270D(Rev 4):2007 - Continued											
Carbazole	86-74-8	1	µg/L	<1.0	5 µg/L	83.2	---	40	150	---	---
ORGANICS - SVOCs - Organochlorine Pesticides (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	<0.50	5 µg/L	76.6	---	40	150	---	---
alpha-BHC	319-84-6	1	µg/L	<1.0	5 µg/L	82.6	---	40	150	---	---
beta-BHC	319-85-7	1	µg/L	<1.0	5 µg/L	80.7	---	40	150	---	---
gamma-BHC	58-89-9	0.1	µg/L	<0.50	5 µg/L	78.5	---	40	150	---	---
delta-BHC	319-86-8	1	µg/L	<1.0	5 µg/L	80.5	---	40	150	---	---
Heptachlor	76-44-8	1	µg/L	<1.0	5 µg/L	74.0	---	40	150	---	---
Heptachlor epoxide	1024-57-3	0.2	µg/L	<0.50	5 µg/L	79.7	---	40	150	---	---
Aldrin	309-00-2	1	µg/L	<1.0	5 µg/L	83.2	---	40	150	---	---
Dieldrin	60-57-1	1	µg/L	<1.0	5 µg/L	85.7	---	40	150	---	---
Endrin	72-20-8	1	µg/L	<1.0	5 µg/L	71.8	---	40	150	---	---
Endosulfan 1	959-98-8	1	µg/L	<1.0	5 µg/L	83.9	---	40	150	---	---
Endosulfan 2	33213-65-9	1	µg/L	<1.0	5 µg/L	83.6	---	40	150	---	---
Endosulfan sulfate	1031-07-8	1	µg/L	<1.0	5 µg/L	83.5	---	40	150	---	---
4,4'-DDD	72-54-8	1	µg/L	<1.0	5 µg/L	86.5	---	40	150	---	---
4,4'-DDE	72-55-9	1	µg/L	<1.0	5 µg/L	87.7	---	40	150	---	---
4,4'-DDT	50-29-3	2	µg/L	<2.0	5 µg/L	76.4	---	40	150	---	---
cis-Chlordane	5103-71-9	1	µg/L	<1.0	5 µg/L	89.1	---	40	150	---	---
trans-Chlordane	5103-74-2	1	µg/L	<1.0	5 µg/L	87.6	---	40	150	---	---
Endrin aldehyde	7421-93-4	1	µg/L	<1.0	5 µg/L	86.0	---	40	150	---	---
Endrin ketone	53494-70-5	1	µg/L	<1.0	5 µg/L	78.6	---	40	150	---	---
Methoxychlor	72-43-5	1	µg/L	<1.0	5 µg/L	75.6	---	40	150	---	---
2,4'-DDT	789-02-6	2	µg/L	<2.0	5 µg/L	78.4	---	40	150	---	---
ORGANICS - SVOCs - Organophosphorus Pesticides (QC Lot: 4140036): US EPA 8270D(Rev 4):2007											
Dichlorvos	62-73-7	1	µg/L	<1.0	5 µg/L	61.2	---	40	150	---	---
Dimethoate	60-51-5	1	µg/L	<1.0	5 µg/L	60.8	---	40	150	---	---
Diazinon	333-41-5	1	µg/L	<1.0	5 µg/L	77.2	---	40	150	---	---
Chlorpyrifos	2921-88-2	1	µg/L	<1.0	5 µg/L	81.4	---	40	150	---	---
Chlorpyrifos-methyl	5598-13-0	1	µg/L	<1.0	5 µg/L	70.3	---	40	150	---	---
Malathion	121-75-5	1	µg/L	<1.0	5 µg/L	65.5	---	40	150	---	---
Fenthion	55-38-9	1	µg/L	<1.0	5 µg/L	130	---	40	150	---	---
Pirimphos-ethyl	23505-41-1	1	µg/L	<1.0	5 µg/L	88.9	---	40	150	---	---
Ethion	563-12-2	1	µg/L	<1.0	5 µg/L	85.6	---	40	150	---	---
Prothiofos	34643-46-4	1	µg/L	<1.0	5 µg/L	80.6	---	40	150	---	---
Clofenvinfos E/Z1	---	1	µg/L	<1.0	5 µg/L	80.4	---	40	150	---	---
Clofenvinfos E/Z2	---	1	µg/L	<1.0	5 µg/L	71.3	---	40	150	---	---
Clofenvinfos E/Z3	---	1	µg/L	<1.0	5 µg/L	84.6	---	40	150	---	---
Monocrotophos	6923-22-4	1	µg/L	<1.0	5 µg/L	72.0	---	40	150	---	---
Parathion	56-38-2	1	µg/L	<1.0	5 µg/L	56.1	---	40	150	---	---
Parathion-methyl	298-00-0	1	µg/L	<1.0	5 µg/L	78.1	---	40	150	---	---
Bromophos-ethyl	4824-78-6	1	µg/L	<1.0	5 µg/L	81.4	---	40	150	---	---
Fenamiphos	22224-92-6	1	µg/L	<1.0	5 µg/L	136	---	40	150	---	---



Matrix: WATER		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 - SVOCs - Organophosphorus Pesticides (QC Lot: 4140036): US EPA 8270D(Rev 4):2007 - Continued												
Carbophenothion	786-19-6	1	µg/L	<1.0	5 µg/L	86.6	---	40	150	---	---	
Azinphos Methyl	86-50-0	1	µg/L	<1.0	5 µg/L	110	---	40	150	---	---	

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

Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number							
Metals - Metals and Major Cations (QC Lot: 4140032): US EPA 6020A(Rev 1):2007										
SH1600258-001	jiaoshibei1	Antimony	7440-36-0	0.2 mg/L	101	----	80	120	----	----
		Arsenic	7440-38-2	0.2 mg/L	101	----	80	120	----	----
		Beryllium	7440-41-7	0.2 mg/L	103	----	80	120	----	----
		Cadmium	7440-43-9	0.2 mg/L	101	----	80	120	----	----
		Chromium	7440-47-3	0.2 mg/L	102	----	80	120	----	----
		Copper	7440-50-8	0.2 mg/L	97.7	----	80	120	----	----
		Lead	7439-92-1	0.2 mg/L	102	----	80	120	----	----
		Nickel	7440-02-0	0.2 mg/L	104	----	80	120	----	----
		Selenium	7782-49-2	0.2 mg/L	102	----	80	120	----	----
		Silver	7440-22-4	0.2 mg/L	103	----	80	120	----	----
		Thallium	7440-28-0	0.2 mg/L	108	----	80	120	----	----
		Zinc	7440-66-6	0.2 mg/L	105	----	80	120	----	----
Metals - Metals and Major Cations (QC Lot: 4140033): USEPA 7470A(Rev 1):1994										
SH1600258-001	jiaoshibei1	Mercury	7439-97-6	1 mg/L	99.7	----	80	120	----	----

Surrogate Control Limits

Matrix: WATER

		Recovery Limits (%)	
Compound	CAS Number	Low	High
ORGANICS - VOCs - Volatile Analytes Surrogates: USEPA 8260C(Rev 3):2006			
Dibromofluoromethane	1868-53-7	70	130
Toluene-D8	2037-26-5	70	130
4-Bromofluorobenzene	460-00-4	70	130
ORGANICS - SVOCs - Acid Extractable Surrogates: US EPA 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: US EPA 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

