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laboratory

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AMENDED

AUG 10 2015

SIG. B. Hudley

August 10, 2015

Lab ID: 15F0361



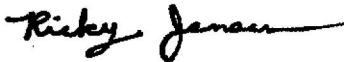
Enclosed are the analysis results for Work Order number 15F0361. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.



Sincerely,



For



Ricky D. Jensen
Laboratory Director

California ELAP Certification Number 1677

AUG 10 2015

SIG. *B. Audley*



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Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #



Project: ENVIRO TESTING - MT SHASTA BSWA-1
Description: BIG SPRINGS MS PRIMARY **Lab ID:** 15F0361-01

Sampled: 06/05/15 11:34

Matrix: Wastewater

Received Temp (C): 7.7

Received: 06/05/15 13:32

Metals - Total

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Aluminum	ug/l	2.7	J	1.5	5.0	EPA 200.8	06/15/15	06/11/15	B5F0837
Antimony	"	ND		0.2	0.5	"	"	"	"
Arsenic	"	0.5		0.2	0.5	"	"	"	"
Barium	"	3.9		0.1	0.5	"	"	"	"
Beryllium	"	ND		0.1	0.5	"	06/16/15	"	"
Cadmium	"	ND		0.05	0.20	"	06/15/15	"	"
Chromium	"	0.2	J	0.1	0.5	"	"	"	"
Copper	"	0.4	J	0.1	0.5	"	"	"	"
Lead	"	ND		0.1	0.5	"	"	"	"
Mercury	ng/l	0.42	J	0.20	0.50	EPA 1631E	06/10/15	06/10/15	B5F0991
Nickel	ug/l	ND		0.2	0.5	EPA 200.8	06/15/15	06/11/15	B5F0837
Selenium	"	ND		0.4	2.0	"	"	"	"
Silver	"	ND		0.05	0.20	"	06/16/15	06/09/15	B5F0835
Strontium	"	52.8		0.1	0.5	"	06/15/15	06/11/15	B5F0837
Thallium	"	ND		0.2	0.5	"	"	"	"
Zinc	"	0.5	J	0.5	2.0	"	"	"	"

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Acrolein	ug/l	ND		2.00	2.00	EPA 624	06/15/15	06/15/15	B5F1097
Acrylonitrile	"	ND		0.15	0.50	"	"	"	"
Benzene	"	ND		0.07	0.50	"	"	"	"
Bromodichloromethane	"	ND		0.08	0.50	"	"	"	"
Bromoform	"	ND		0.05	0.50	"	"	"	"
Bromomethane	"	ND		0.10	0.50	"	"	"	"
Carbon tetrachloride	"	ND		0.05	0.50	"	"	"	"
Chlorobenzene	"	ND		0.06	0.50	"	"	"	"
Chloroethane	"	ND		0.09	0.50	"	"	"	"
2-Chloroethylvinyl ether	"	ND		0.11	0.50	"	"	"	"
Chloroform	"	ND		0.07	0.50	"	"	"	"
Chloromethane	"	ND		0.12	0.50	"	"	"	"
Dibromochloromethane	"	ND		0.06	0.50	"	"	"	"
Dibromomethane	"	ND		0.09	0.50	"	"	"	"
1,2-Dichlorobenzene (o-DCB)	"	ND		0.09	0.50	"	"	"	"
1,3-Dichlorobenzene (m-DCB)	"	ND		0.07	0.50	"	"	"	"
1,4-Dichlorobenzene (p-DCB)	"	ND		0.05	0.50	"	"	"	"
1,1-Dichloroethane (1,1-DCA)	"	ND		0.08	0.50	"	"	"	"
1,2-Dichloroethane (1,2-DCA)	"	ND		0.08	0.50	"	"	"	"
1,1-Dichloroethene (1,1-DCE)	"	ND		0.06	0.50	"	"	"	"
trans-1,2-Dichloroethene (t-1,2-DCE)	"	ND		0.05	0.50	"	"	"	"
1,3-Dichloropropane	"	ND		0.07	0.50	"	"	"	"
1,1-Dichloropropene	"	ND		0.08	0.50	"	"	"	"

[Signature]

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AUG 10 2015

B. Husley



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Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1
Description: BIG SPRINGS MS PRIMARY Lab ID: 15F0361-01

Sampled: 06/05/15 11:34

Matrix: Wastewater

Received Temp (C): 7.7

Received: 06/05/15 13:32

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
cis-1,3-Dichloropropene	"	ND		0.08	0.50	"	"	06/15/15	"
trans-1,3-Dichloropropene	"	ND		0.08	0.50	"	"	"	"
1,3-Dichloropropene (total)	"	ND		0.16	1.00	"	"	"	"
Dichloromethane (Methylene Chloride)	"	ND		0.29	0.50	"	"	"	"
1,2-Dichloropropane	"	ND		0.06	0.50	"	"	"	"
Ethylbenzene	"	ND		0.06	0.50	"	"	"	"
Hexachlorobutadiene	"	ND		0.05	0.50	"	"	"	"
Methyl tert-Butyl Ether (MTBE)	"	ND		0.08	0.50	"	"	"	"
Naphthalene	"	ND		0.07	0.50	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND		0.07	0.50	"	"	"	"
Tetrachloroethene (PCE)	"	ND		0.08	0.50	"	"	"	"
Toluene	"	ND		0.07	0.50	"	"	"	"
1,2,4-Trichlorobenzene	"	ND		0.07	0.50	"	"	"	"
1,1,1-Trichloroethane (1,1,1-TCA)	"	ND		0.09	0.50	"	"	"	"
1,1,2-Trichloroethane (1,1,2-TCA)	"	ND		0.07	0.50	"	"	"	"
Trichloroethene (TCE)	"	ND		0.09	0.50	"	"	"	"
Trichlorofluoromethane (Freon 11)	"	ND		0.06	0.50	"	"	"	"
Vinyl chloride	"	ND		0.10	0.50	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		97.0 %		82.1-129		"	"	"	"
Surrogate: Toluene-d8		99.8 %		88.2-107		"	"	"	"
Surrogate: 4-Bromofluorobenzene		89.8 %		71.1-112		"	"	"	"

Semi Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Acenaphthene	ug/l	ND		0.2	1.0	EPA 625	06/11/15	06/08/15	B5F0851
Acenaphthylene	"	ND		0.2	5.0	"	"	"	"
Anthracene	"	ND		0.1	5.0	"	"	"	"
Benzidine	"	ND		2.3	5.0	"	"	"	"
Benzo (a) anthracene	"	ND		0.1	5.0	"	"	"	"
Benzo (a) pyrene	"	ND		0.1	2.0	"	"	"	"
Benzo (b) fluoranthene	"	ND		0.2	5.0	"	"	"	"
Benzo (g,h,i) perylene	"	ND		0.4	5.0	"	"	"	"
Benzo (k) fluoranthene	"	ND		0.2	2.0	"	"	"	"
Bis(2-chloroethyl)ether	"	ND		0.2	1.0	"	"	"	"
Bis(2-chloroethoxy)methane	"	ND		0.2	5.0	"	"	"	"
Bis(2-chloroisopropyl)ether	"	ND		0.2	2.0	"	"	"	"
Bis(2-ethylhexyl)phthalate (DEHP)	"	ND		0.9	5.0	"	"	"	"
4-Bromophenyl phenyl ether	"	ND		0.2	5.0	"	"	"	"
Butyl benzyl phthalate	"	0.9	J	0.08	5.0	"	"	"	"
4-Chloro-3-methylphenol	"	ND	QC-06	0.2	1.0	"	"	"	"
2-Chloronaphthalene	"	ND		0.2	2.0	"	"	"	"
2-Chlorophenol	"	ND		0.2	5.0	"	"	"	"

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AMENDED

AUG 10 2015

SIG. *B. Hurley*



Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1
Description: BIG SPRINGS MS PRIMARY **Lab ID:** 15F0361-01

Sampled: 06/05/15 11:34

Matrix: Wastewater

Received Temp (C): 7.7

Received: 06/05/15 13:32

Semi Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
4-Chlorophenyl phenyl ether	"	ND		0.2	5.0	"	"	06/08/15	"
Chrysene	"	ND		0.1	5.0	"	"	"	"
Dibenz (a,h) anthracene	"	ND		0.03	0.1	"	"	"	"
3,3'-Dichlorobenzidine	"	ND		0.4	5.0	"	"	"	"
2,4-Dichlorophenol	"	ND		0.2	2.0	"	"	"	"
Diethyl phthalate	"	ND		0.1	2.0	"	"	"	"
2,4-Dimethylphenol	"	ND		0.4	2.0	"	"	"	"
Dimethyl phthalate	"	ND		0.2	5.0	"	"	"	"
Di-n-butyl phthalate	"	1.2	J	0.1	5.0	"	"	"	"
Di-n-octyl phthalate	"	0.4	J	0.07	5.0	"	"	"	"
4,6-Dinitro-2-methylphenol	"	ND		0.2	5.0	"	"	"	"
2,4-Dinitrophenol	"	ND		0.1	3.0	"	"	"	"
2,4-Dinitrotoluene	"	ND		0.2	3.0	"	"	"	"
2,6-Dinitrotoluene	"	ND		0.2	5.0	"	"	"	"
1,2-Diphenylhydrazine	"	ND		0.2	1.0	"	"	"	"
Fluoranthene	"	ND		0.1	1.0	"	"	"	"
Fluorene	"	ND		0.2	5.0	"	"	"	"
Hexachlorobenzene	"	ND		0.2	1.0	"	"	"	"
Hexachlorocyclopentadiene	"	ND		0.6	2.0	"	"	"	"
Indeno (1,2,3-cd) pyrene	"	ND		0.04	0.05	"	"	"	"
Hexachloroethane	"	ND		0.5	1.0	"	"	"	"
Isophorone	"	ND		0.2	1.0	"	"	"	"
Nitrobenzene	"	ND		0.2	1.0	"	"	"	"
2-Nitrophenol	"	ND		0.2	5.0	"	"	"	"
4-Nitrophenol	"	ND		0.04	5.0	"	"	"	"
N-Nitrosodi-n-propylamine	"	ND		0.2	5.0	"	"	"	"
N-Nitrosodimethylamine	"	ND		0.5	2.0	"	"	"	"
N-Nitrosodiphenylamine	"	ND		0.1	1.0	"	"	"	"
Pentachlorophenol (PCP)	"	ND		0.2	1.0	"	"	"	"
Phenanthrene	"	ND		0.1	5.0	"	"	"	"
Phenol	"	ND	QC-06	0.4	1.0	"	"	"	"
Pyrene	"	ND		0.06	5.0	"	"	"	"
2,4,6-Trichlorophenol	"	ND		0.2	5.0	"	"	"	"
Surrogate: 2-Fluorophenol		37.4 %		19.9-67.1		"	"	"	"
Surrogate: Phenol-d5		28.3 %		16.9-52.2		"	"	"	"
Surrogate: 2,4,6-Tribromophenol		82.3 %		56.8-138		"	"	"	"
Surrogate: Nitrobenzene-d5		67.2 %		41.3-100		"	"	"	"
Surrogate: 2-Fluorobiphenyl		66.6 %		47-103		"	"	"	"
Surrogate: Terphenyl-d14		108 %		51.6-126		"	"	"	"

[Signature]

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AMENDED

AUG 10 2015

SIG. *D. Hurley*



Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1
Description: TRIP BLANK **Lab ID:** 15F0361-02

Sampled: 06/05/15 00:00

Matrix: Blank

Received Temp (C):

Received: 06/05/15 13:32

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Acetone	ug/l	1.49	J	0.57	2.50	EPA 624	06/15/15	06/15/15	B5F1097
Acrolein	"	ND		2.00	2.00	"	"	"	"
Acrylonitrile	"	ND		0.15	0.50	"	"	"	"
tert-Amyl Methyl Ether (TAME)	"	ND		0.07	0.50	"	"	"	"
Benzene	"	ND		0.07	0.50	"	"	"	"
Bromochloromethane	"	ND		0.11	0.50	"	"	"	"
Bromodichloromethane	"	ND		0.08	0.50	"	"	"	"
Bromoform	"	ND		0.05	0.50	"	"	"	"
Bromomethane	"	ND		0.10	0.50	"	"	"	"
2-Butanone (MEK)	"	ND		0.40	2.50	"	"	"	"
tert-Butyl Alcohol (TBA)	"	ND		0.72	5.00	"	"	"	"
Carbon disulfide	"	ND		0.06	0.50	"	"	"	"
Carbon tetrachloride	"	ND		0.05	0.50	"	"	"	"
Chlorobenzene	"	ND		0.06	0.50	"	"	"	"
Chloroethane	"	ND		0.09	0.50	"	"	"	"
2-Chloroethylvinyl ether	"	ND		0.11	0.50	"	"	"	"
Chloroform	"	ND		0.07	0.50	"	"	"	"
Chloromethane	"	0.16	J	0.12	0.50	"	"	"	"
Dibromochloromethane	"	ND		0.06	0.50	"	"	"	"
1,2-Dibromo-3-chloropropane (DBCP)	"	ND		0.14	0.50	"	"	"	"
1,2-Dibromoethane (EDB)	"	ND		0.07	0.50	"	"	"	"
Dibromomethane	"	ND		0.09	0.50	"	"	"	"
1,2-Dichlorobenzene (o-DCB)	"	ND		0.09	0.50	"	"	"	"
1,3-Dichlorobenzene (m-DCB)	"	ND		0.07	0.50	"	"	"	"
1,4-Dichlorobenzene (p-DCB)	"	ND		0.05	0.50	"	"	"	"
Dichlorodifluoromethane (CFC 12)	"	ND		0.09	0.50	"	"	"	"
1,1-Dichloroethane (1,1-DCA)	"	ND		0.08	0.50	"	"	"	"
1,2-Dichloroethane (1,2-DCA)	"	ND		0.08	0.50	"	"	"	"
1,1-Dichloroethene (1,1-DCE)	"	ND		0.06	0.50	"	"	"	"
cis-1,2-Dichloroethene (c-1,2-DCE)	"	ND		0.06	0.50	"	"	"	"
trans-1,2-Dichloroethene (t-1,2-DCE)	"	ND		0.05	0.50	"	"	"	"
Trichlorotrifluoroethane (Freon 113)	"	ND		0.11	0.50	"	"	"	"
Dichloromethane (Methylene Chloride)	"	ND		0.29	0.50	"	"	"	"
1,2-Dichloropropane	"	ND		0.06	0.50	"	"	"	"
1,3-Dichloropropane	"	ND		0.07	0.50	"	"	"	"
2,2-Dichloropropane	"	ND		0.10	0.50	"	"	"	"
1,1-Dichloropropene	"	ND		0.08	0.50	"	"	"	"
cis-1,3-Dichloropropene	"	ND		0.08	0.50	"	"	"	"
trans-1,3-Dichloropropene	"	ND		0.08	0.50	"	"	"	"
1,3-Dichloropropene (total)	"	ND		0.16	1.00	"	"	"	"
Di-Isopropyl Ether (DIPE)	"	ND		0.06	0.50	"	"	"	"
Ethylbenzene	"	ND		0.06	0.50	"	"	"	"
Ethyl tert-Butyl Ether (ETBE)	"	ND		0.06	0.50	"	"	"	"
Hexachlorobutadiene	"	ND		0.05	0.50	"	"	"	"

JLK

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SIG. *B. Husley*



Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1
Description: TRIP BLANK **Lab ID:** 15F0361-02

Sampled: 06/05/15 00:00

Matrix: Blank

Received Temp (C):

Received: 06/05/15 13:32

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
2-Hexanone	"	ND		0.26	2.00	"	"	06/15/15	"
4-Methyl-2-pentanone (MIBK)	"	ND		0.14	1.00	"	"	"	"
Methyl tert-Butyl Ether (MTBE)	"	ND		0.08	0.50	"	"	"	"
Naphthalene	"	ND		0.07	0.50	"	"	"	"
Styrene	"	ND		0.05	0.50	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND		0.11	0.50	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND		0.07	0.50	"	"	"	"
Tetrachloroethene (PCE)	"	ND		0.08	0.50	"	"	"	"
Toluene	"	ND		0.07	0.50	"	"	"	"
1,2,4-Trichlorobenzene	"	ND		0.07	0.50	"	"	"	"
1,1,1-Trichloroethane (1,1,1-TCA)	"	ND		0.09	0.50	"	"	"	"
1,1,2-Trichloroethane (1,1,2-TCA)	"	ND		0.07	0.50	"	"	"	"
Trichloroethene (TCE)	"	ND		0.09	0.50	"	"	"	"
Trichlorofluoromethane (Freon 11)	"	ND		0.06	0.50	"	"	"	"
1,2,3-Trichloropropane	"	ND		0.09	0.50	"	"	"	"
1,2,4-Trimethylbenzene	"	ND		0.07	0.50	"	"	"	"
Vinyl chloride	"	ND		0.10	0.50	"	"	"	"
Xylenes (total)	"	ND		0.11	1.00	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		96.8 %		82.1-129		"	"	"	"
Surrogate: Toluene-d8		98.0 %		88.2-107		"	"	"	"
Surrogate: 4-Bromofluorobenzene		90.9 %		71.1-112		"	"	"	"

[Signature]

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Lab No: 15F0361
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Phone: (562) 795-0092
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Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Metals - Total										
Batch B5F0835 - EPA 200 Series										
Blank										
Silver	ND	0.20	ug/l							
LCS										
Silver	99.6	0.20	ug/l	100		99.6	85-115			
Matrix Spike Source: 15F0240-01										
Silver	94.4	0.20	ug/l	100	ND	94.4	75-125			
Matrix Spike Dup Source: 15F0240-01										
Silver	95.3	0.20	ug/l	100	ND	95.3	75-125	1.03	20	
Batch B5F0837 - EPA 200 Series										
Blank										
Aluminum	ND	5.0	ug/l							
Antimony	ND	0.5	ug/l							
Arsenic	ND	0.5	ug/l							
Barium	ND	0.5	ug/l							
Beryllium	ND	0.5	ug/l							
Cadmium	ND	0.20	ug/l							
Chromium	ND	0.5	ug/l							
Copper	ND	0.5	ug/l							
Lead	ND	0.5	ug/l							
Nickel	ND	0.5	ug/l							
Selenium	ND	2.0	ug/l							
Strontium	ND	0.5	ug/l							
Thallium	ND	0.5	ug/l							
Zinc	ND	2.0	ug/l							
LCS										
Aluminum	91.8	5.0	ug/l	100		91.8	85-115			
Antimony	94.5	0.5	ug/l	100		94.5	85-115			
Arsenic	93.5	0.5	ug/l	100		93.5	85-115			
Barium	93.0	0.5	ug/l	100		93.0	85-115			
Beryllium	90.5	0.5	ug/l	100		90.5	85-115			
Cadmium	91.9	0.20	ug/l	100		91.9	85-115			
Chromium	96.9	0.5	ug/l	100		96.9	85-115			
Copper	98.6	0.5	ug/l	100		98.6	85-115			
Lead	96.8	0.5	ug/l	100		96.8	85-115			
Nickel	94.3	0.5	ug/l	100		94.3	85-115			
Selenium	94.4	2.0	ug/l	100		94.4	85-115			
Strontium	94.6	0.5	ug/l	100		94.6	85-115			
Thallium	95.8	0.5	ug/l	100		95.8	85-115			
Zinc	90.7	2.0	ug/l	100		90.7	85-115			
Duplicate Source: 15F0361-01										
Aluminum	2.29	5.0	ug/l		2.73			17.7	20	J

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Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Metals - Total

Batch B5F0837 - EPA 200 Series

Antimony	ND	0.5	ug/l		ND				20	
Arsenic	0.4	0.5	ug/l		0.5			12.4	20	J
Barium	3.9	0.5	ug/l		3.9			0.180	20	
Beryllium	ND	0.5	ug/l		ND				20	
Cadmium	ND	0.20	ug/l		ND				20	
Chromium	0.2	0.5	ug/l		0.2			7.04	20	J
Copper	0.31	0.5	ug/l		0.37			18.4	20	J
Lead	0.204	0.5	ug/l		ND			200	20	QR-04, J
Nickel	ND	0.5	ug/l		ND				20	
Selenium	ND	2.0	ug/l		ND				20	
Strontium	53.2	0.5	ug/l		52.8			0.679	20	
Thallium	ND	0.5	ug/l		ND				20	
Zinc	ND	2.0	ug/l		ND				20	

Matrix Spike Source: 15F0361-01

Aluminum	91.0	5.0	ug/l	100	2.73	88.2	75-125			
Antimony	96.4	0.5	ug/l	100	ND	96.4	75-125			
Arsenic	93.6	0.5	ug/l	100	0.5	93.1	75-125			
Barium	98.1	0.5	ug/l	100	3.9	94.2	75-125			
Beryllium	82.2	0.5	ug/l	100	ND	82.2	75-125			
Cadmium	92.0	0.20	ug/l	100	ND	92.0	75-125			
Chromium	95.7	0.5	ug/l	100	0.17	95.5	75-125			
Copper	95.1	0.5	ug/l	100	0.37	94.7	75-125			
Lead	102	0.5	ug/l	100	ND	102	75-125			
Nickel	92.0	0.5	ug/l	100	ND	92.0	75-125			
Selenium	92.5	2.0	ug/l	100	ND	92.5	75-125			
Strontium	149	0.5	ug/l	100	52.8	96.2	75-125			
Thallium	101	0.5	ug/l	100	ND	101	75-125			
Zinc	89.3	2.0	ug/l	100	ND	89.3	75-125			

Batch B5F0991 - BrCl Digestion

Blank										
Mercury	ND	0.50	ng/l							
Blank										
Mercury	0.261	0.50	ng/l							J
Blank										
Mercury	0.354	0.50	ng/l							QC-08, J
LCS										
Mercury	20.7	0.50	ng/l	20.0		104	84.1-120			
Matrix Spike Source: 15F0127-03										
Mercury	22.5	0.50	ng/l	20.0	1.45	105	74.3-125			
Matrix Spike Source: 15F0239-04										
Mercury	21.8	0.50	ng/l	20.0	0.903	104	74.3-125			

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Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Metals - Total

Batch B5F0991 - BrCl Digestion

Matrix Spike Dup Source: 15F0127-03

Mercury	22.8	0.50	ng/l	20.0	1.45	107	74.3-125	1.13	24	
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Matrix Spike Dup Source: 15F0239-04

Mercury	22.1	0.50	ng/l	20.0	0.903	106	74.3-125	1.40	24	
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Volatile Organic Compounds

Batch B5F1097 - EPA 5030B Water GCMS

Blank

Acrolein	ND	2.00	ug/l
Acrylonitrile	ND	0.50	ug/l
Benzene	ND	0.50	ug/l
Bromodichloromethane	ND	0.50	ug/l
Bromoform	ND	0.50	ug/l
Bromomethane	ND	0.50	ug/l
Carbon tetrachloride	ND	0.50	ug/l
Chlorobenzene	ND	0.50	ug/l
Chloroethane	ND	0.50	ug/l
2-Chloroethylvinyl ether	ND	0.50	ug/l
Chloroform	ND	0.50	ug/l
Chloromethane	ND	0.50	ug/l
Dibromochloromethane	ND	0.50	ug/l
Dibromomethane	ND	0.50	ug/l
1,2-Dichlorobenzene (o-DCB)	ND	0.50	ug/l
1,3-Dichlorobenzene (m-DCB)	ND	0.50	ug/l
1,4-Dichlorobenzene (p-DCB)	ND	0.50	ug/l
1,1-Dichloroethane (1,1-DCA)	ND	0.50	ug/l
1,2-Dichloroethane (1,2-DCA)	ND	0.50	ug/l
1,1-Dichloroethene (1,1-DCE)	ND	0.50	ug/l
trans-1,2-Dichloroethene (t-1,2-DCE)	ND	0.50	ug/l
1,3-Dichloropropane	ND	0.50	ug/l
1,1-Dichloropropene	ND	0.50	ug/l
cis-1,3-Dichloropropene	ND	0.50	ug/l
trans-1,3-Dichloropropene	ND	0.50	ug/l
1,3-Dichloropropene (total)	ND	1.00	ug/l
Dichloromethane (Methylene Chloride)	ND	0.50	ug/l
1,2-Dichloropropane	ND	0.50	ug/l
Ethylbenzene	ND	0.50	ug/l
Hexachlorobutadiene	ND	0.50	ug/l
Methyl tert-Butyl Ether (MTBE)	ND	0.50	ug/l
Naphthalene	ND	0.50	ug/l
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l
Tetrachloroethene (PCE)	ND	0.50	ug/l
Toluene	ND	0.50	ug/l
1,2,4-Trichlorobenzene	ND	0.50	ug/l

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Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Volatile Organic Compounds

Batch B5F1097 - EPA 5030B Water GCMS

1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.50	ug/l							
1,1,2-Trichloroethane (1,1,2-TCA)	ND	0.50	ug/l							
Trichloroethene (TCE)	ND	0.50	ug/l							
Trichlorofluoromethane (Freon 11)	ND	0.50	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	9.70		ug/l	10.0		97.0	82.1-129			
Surrogate: Toluene-d8	10.1		ug/l	10.0		101	88.2-107			
Surrogate: 4-Bromofluorobenzene	9.02		ug/l	10.0		90.2	71.1-112			

LCS

Benzene	10.2	0.50	ug/l	10.0		102	85-115			
Chlorobenzene	10.4	0.50	ug/l	10.0		104	85-115			
1,1-Dichloroethene (1,1-DCE)	9.78	0.50	ug/l	10.0		97.8	83.5-117			
Toluene	10.4	0.50	ug/l	10.0		104	85-115			
Trichloroethene (TCE)	10.4	0.50	ug/l	10.0		104	85-115			
Surrogate: 1,2-Dichloroethane-d4	9.19		ug/l	10.0		91.9	82.1-129			
Surrogate: Toluene-d8	10.1		ug/l	10.0		101	88.2-107			
Surrogate: 4-Bromofluorobenzene	9.94		ug/l	10.0		99.4	71.1-112			

LCS Dup

Benzene	10.6	0.50	ug/l	10.0		106	85-115	3.45	20	
Chlorobenzene	10.6	0.50	ug/l	10.0		106	85-115	1.71	20	
1,1-Dichloroethene (1,1-DCE)	10.3	0.50	ug/l	10.0		103	83.5-117	4.89	20	
Toluene	10.5	0.50	ug/l	10.0		105	85-115	1.15	20	
Trichloroethene (TCE)	10.6	0.50	ug/l	10.0		106	85-115	2.19	20	
Surrogate: 1,2-Dichloroethane-d4	9.13		ug/l	10.0		91.3	82.1-129			
Surrogate: Toluene-d8	10.2		ug/l	10.0		102	88.2-107			
Surrogate: 4-Bromofluorobenzene	9.95		ug/l	10.0		99.5	71.1-112			

Matrix Spike Source: 15F0622-04

Benzene	10.3	0.50	ug/l	10.0	ND	103	85-115			
Chlorobenzene	10.4	0.50	ug/l	10.0	ND	104	85-115			
1,1-Dichloroethene (1,1-DCE)	9.24	0.50	ug/l	10.0	ND	92.4	83.5-117			
Toluene	10.3	0.50	ug/l	10.0	ND	103	85-115			
Trichloroethene (TCE)	10.3	0.50	ug/l	10.0	ND	103	85-115			
Surrogate: 1,2-Dichloroethane-d4	9.23		ug/l	10.0		92.3	82.1-129			
Surrogate: Toluene-d8	9.96		ug/l	10.0		99.6	88.2-107			
Surrogate: 4-Bromofluorobenzene	9.62		ug/l	10.0		96.2	71.1-112			

Matrix Spike Dup Source: 15F0622-04

Benzene	10.4	0.50	ug/l	10.0	ND	104	85-115	0.870	20	
Chlorobenzene	10.5	0.50	ug/l	10.0	ND	105	85-115	1.15	20	
1,1-Dichloroethene (1,1-DCE)	9.45	0.50	ug/l	10.0	ND	94.5	83.5-117	2.25	20	
Toluene	10.5	0.50	ug/l	10.0	ND	105	85-115	2.31	20	
Trichloroethene (TCE)	10.2	0.50	ug/l	10.0	ND	102	85-115	0.978	20	

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SIG. *P. Hurley*

AMENDED

AUG 10 2015

Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Volatile Organic Compounds

Batch B5F1097 - EPA 5030B Water GCMS

Surrogate: 1,2-Dichloroethane-d4	9.19		ug/l	10.0		91.9	82.1-129			
Surrogate: Toluene-d8	9.95		ug/l	10.0		99.5	88.2-107			
Surrogate: 4-Bromofluorobenzene	9.72		ug/l	10.0		97.2	71.1-112			

Semi Volatile Organic Compounds

Batch B5F0851 - EPA 3510C

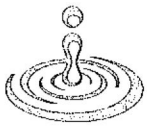
Blank

Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	5.0	ug/l							
Anthracene	ND	5.0	ug/l							
Benztidine	ND	5.0	ug/l							
Benzo (a) anthracene	ND	5.0	ug/l							
Benzo (a) pyrene	ND	2.0	ug/l							
Benzo (b) fluoranthene	ND	5.0	ug/l							
Benzo (g,h,i) perylene	ND	5.0	ug/l							
Benzo (k) fluoranthene	ND	2.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	5.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate (DEHP)	ND	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	5.0	ug/l							
Butyl benzyl phthalate	0.350	5.0	ug/l							J
4-Chloro-3-methylphenol	ND	1.0	ug/l							
2-Chloronaphthalene	ND	2.0	ug/l							
2-Chlorophenol	ND	5.0	ug/l							
4-Chlorophenyl phenyl ether	ND	5.0	ug/l							
Chrysene	ND	5.0	ug/l							
Dibenz (a,h) anthracene	ND	0.1	ug/l							
3,3'-Dichlorobenzidine	ND	5.0	ug/l							
2,4-Dichlorophenol	ND	2.0	ug/l							
Diethyl phthalate	ND	2.0	ug/l							
2,4-Dimethylphenol	ND	2.0	ug/l							
Dimethyl phthalate	ND	5.0	ug/l							
Di-n-butyl phthalate	1.21	5.0	ug/l							J
Di-n-octyl phthalate	0.370	5.0	ug/l							J
4,6-Dinitro-2-methylphenol	ND	5.0	ug/l							
2,4-Dinitrophenol	ND	3.0	ug/l							
2,4-Dinitrotoluene	ND	3.0	ug/l							
2,6-Dinitrotoluene	ND	5.0	ug/l							
1,2-Diphenylhydrazine	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	5.0	ug/l							
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	2.0	ug/l							

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AUG 10 2015

SIG. *B. Husky*

Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
P.O. #

Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Semi Volatile Organic Compounds

Batch B5F0851 - EPA 3510C

Indeno (1,2,3-cd) pyrene	ND	0.05	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
2-Nitrophenol	ND	5.0	ug/l							
4-Nitrophenol	ND	5.0	ug/l							
N-Nitrosodi-n-propylamine	ND	5.0	ug/l							
N-Nitrosodimethylamine	ND	2.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol (PCP)	ND	1.0	ug/l							
Phenanthrene	ND	5.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	5.0	ug/l							
2,4,6-Trichlorophenol	ND	5.0	ug/l							
Surrogate: 2-Fluorophenol	11.8		ug/l	20.0		59.0	19.9-67.1			
Surrogate: Phenol-d5	8.81		ug/l	20.0		44.0	16.9-52.2			
Surrogate: 2,4,6-Tribromophenol	19.3		ug/l	20.0		96.6	56.8-138			
Surrogate: Nitrobenzene-d5	9.06		ug/l	10.0		90.6	41.3-100			
Surrogate: 2-Fluorobiphenyl	8.22		ug/l	10.0		82.2	47-103			
Surrogate: Terphenyl-d14	12.3		ug/l	10.0		123	51.6-126			

LCS

Acenaphthene	8.10	1.0	ug/l	10.0		81.0	60.1-101			
4-Chloro-3-methylphenol	8.32	1.0	ug/l	10.0		83.2	41.9-85.5			
2-Chlorophenol	7.39	5.0	ug/l	10.0		73.9	39.8-79.1			
2,4-Dinitrotoluene	7.10	3.0	ug/l	10.0		71.0	62.2-100			
4-Nitrophenol	3.49	5.0	ug/l	10.0		34.9	9.26-37.8			J
N-Nitrosodi-n-propylamine	8.47	5.0	ug/l	10.0		84.7	51.3-101			
Pentachlorophenol (PCP)	6.94	1.0	ug/l	10.0		69.4	15.7-114			
Phenol	3.35	1.0	ug/l	10.0		33.5	14.9-33.2			QC-06
Pyrene	9.54	5.0	ug/l	10.0		95.4	65.3-107			
Surrogate: 2-Fluorophenol	10.0		ug/l	20.0		50.2	19.9-67.1			
Surrogate: Phenol-d5	7.68		ug/l	20.0		38.4	16.9-52.2			
Surrogate: 2,4,6-Tribromophenol	19.1		ug/l	20.0		95.4	56.8-138			
Surrogate: Nitrobenzene-d5	8.10		ug/l	10.0		81.0	41.3-100			
Surrogate: 2-Fluorobiphenyl	8.03		ug/l	10.0		80.3	47-103			
Surrogate: Terphenyl-d14	10.5		ug/l	10.0		105	51.6-126			

LCS Dup

Acenaphthene	8.23	1.0	ug/l	10.0		82.3	60.1-101	1.59	20	
4-Chloro-3-methylphenol	8.57	1.0	ug/l	10.0		85.7	41.9-85.5	2.96	20	QC-06
2-Chlorophenol	7.54	5.0	ug/l	10.0		75.4	39.8-79.1	2.01	20	
2,4-Dinitrotoluene	7.19	3.0	ug/l	10.0		71.9	62.2-100	1.26	20	
4-Nitrophenol	3.74	5.0	ug/l	10.0		37.4	9.26-37.8	6.92	20	J

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AUG 10 2015

SIG: *B. Husky*

Lab No: 15F0361
Reported: 08/10/15
Phone: (562) 795-0092
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Project: ENVIRO TESTING - MT SHASTA BSWA-1

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Semi Volatile Organic Compounds

Batch B5F0851 - EPA 3510C

N-Nitrosodi-n-propylamine	8.61	5.0	ug/l	10.0		86.1	51.3-101	1.64	20	
Pentachlorophenol (PCP)	6.86	1.0	ug/l	10.0		68.6	15.7-114	1.16	20	
Phenol	3.17	1.0	ug/l	10.0		31.7	14.9-33.2	5.52	20	
Pyrene	9.21	5.0	ug/l	10.0		92.1	65.3-107	3.52	20	
Surrogate: 2-Fluorophenol	10.3		ug/l	20.0		51.4	19.9-67.1			
Surrogate: Phenol-d5	7.69		ug/l	20.0		38.4	16.9-52.2			
Surrogate: 2,4,6-Tribromophenol	19.8		ug/l	20.0		99.2	56.8-138			
Surrogate: Nitrobenzene-d5	8.35		ug/l	10.0		83.5	41.3-100			
Surrogate: 2-Fluorobiphenyl	8.23		ug/l	10.0		82.3	47-103			
Surrogate: Terphenyl-d14	10.3		ug/l	10.0		103	51.6-126			

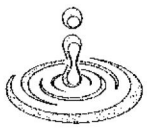
Jalk

Approved By
Basic Laboratory, Inc.

California ELAP Cert #1677 and #2718

AUG 10 2015

SIG. *B. Hurley*



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Project: ENVIRO TESTING - MT SHASTA BSWA-1

Notes and Definitions

- QR-04 Duplicate results are within one reporting limit and pass all necessary QC criteria.
- QC-08 An increased concentration of BrCl was necessary to fully oxidize this sample. As required by EPA 1631E, a laboratory method blank containing the additional BrCl was analyzed with the sample.
- QC-06 The LCS spike recovery for this analyte is outside of established control limits above the upper control limit. The associated samples were non-detect (ND); therefore, the data quality was not affected and sample results were reported.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). The J flag is equivalent to the DNQ Estimated Concentration flag.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- < Less than reporting limit
- ≤ Less than or equal to reporting limit
- > Greater than reporting limit
- ≥ Greater than or equal to reporting limit
- MDL Method Detection Limit
- RL/ML Minimum Level of Quantitation
- MCL/AL Maxlum Contaminant Level/Action Level
- mg/kg Results reported as wet weight
- TTLC Total Threshold Limit Concentration
- STLC Soluble Threshold Limit Concentration
- TCLP Toxicity Characteristic Leachate Procedure
- Note 1 Received Temperature - according to EPA guidelines, samples for most chemistry methods should be held at ≤6 degrees C after collection, including during transportation, unless the time from sampling to delivery is <2 hours. Regulating agencies may invalidate results if temperature requirements are not met.
- Note 2 According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.

[Signature]

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