20-Sep-2016

Scott Smith
Water Defense
PO Box 204
Livingston Manor, NY 12758

Tel: (508) 345-6520
Fax:
Re: Ex. 6 - Personal Privacy

Work Order: **1609134**

Dear Scott,

ALS Environmental received 8 samples on 06-Sep-2016 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 47.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

ALS Environmental

Date: 20-Sep-16

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Work Order: **1609134**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1609134-01	Water Meter Amber Grab for Bacteria/Fungi	Water		9/1/2016	9/7/2016	☐
1609134-02	Water Meter Grab Metals	Water		9/1/2016	9/7/2016	☐
1609134-03	Water Meter Grab WaterBug	Bulk		9/1/2016	9/7/2016	☐
1609134-04	Water Meter Grab VOC's	Water		9/1/2016	9/7/2016	☐
1609134-05	Shower Amber Grab for Bacetria/Fungi	Water		9/1/2016	9/7/2016	☐
1609134-06	Shower Grab Metals	Water		9/1/2016	9/7/2016	☐
1609134-07	Shower Grab WaterBug	Bulk		9/1/2016	9/7/2016	☐
1609134-07	Shower Grab WaterBug	Bulk		9/1/2016	9/7/2016	☐
1609134-08	Shower Amber Grab for Bacteria/Fungi	Water		9/1/2016	9/7/2016	☐

EPA-R5-2017-008527_0000339

ALS Environmental *Date: 20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Work Order: 1609134

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab Metals
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **9/16/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	9/16/2016
METALS BY ICP			**SW6010B**		Prep Date: **9/9/2016**	Analyst: **SRL**
Aluminum	ND		0.20	mg/L	1	9/9/2016 04:58 PM
Arsenic	ND		0.010	mg/L	1	9/9/2016 04:58 PM
Barium	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Beryllium	ND		0.0040	mg/L	1	9/9/2016 04:58 PM
Cadmium	ND		0.0050	mg/L	1	9/9/2016 04:58 PM
Calcium	**25**		**0.20**	**mg/L**	1	9/9/2016 04:58 PM
Chromium	ND		0.020	mg/L	1	9/9/2016 04:58 PM
Cobalt	ND		0.050	mg/L	1	9/9/2016 04:58 PM
Copper	ND		0.025	mg/L	1	9/9/2016 04:58 PM
Iron	ND		0.20	mg/L	1	9/9/2016 04:58 PM
Lead	ND		0.015	mg/L	1	9/9/2016 04:58 PM
Lithium	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Magnesium	**7.6**		**0.20**	**mg/L**	1	9/9/2016 04:58 PM
Manganese	ND		0.050	mg/L	1	9/9/2016 04:58 PM
Molybdenum	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Nickel	ND		0.040	mg/L	1	9/9/2016 04:58 PM
Phosphorus	**1.0**		**0.10**	**mg/L**	1	9/9/2016 04:58 PM
Platinum	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Selenium	ND		0.030	mg/L	1	9/9/2016 04:58 PM
Silver	ND		0.010	mg/L	1	9/9/2016 04:58 PM
Sodium	**5.1**		**0.20**	**mg/L**	1	9/9/2016 04:58 PM
Tellurium	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Thallium	ND		0.0050	mg/L	1	9/9/2016 04:58 PM
Tin	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Titanium	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Tungsten	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Vanadium	ND		0.050	mg/L	1	9/9/2016 04:58 PM
Yttrium	ND		0.10	mg/L	1	9/9/2016 04:58 PM
Zinc	**0.061**		**0.050**	**mg/L**	1	9/9/2016 04:58 PM
Zirconium	ND		0.10	mg/L	1	9/9/2016 04:58 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **9/16/2016**	Analyst: **VAW**
Mercury	ND		0.30	mg/Kg	1	9/16/2016
METALS BY ICP			**SW6010B**		Prep Date: **9/16/2016**	Analyst: **SRL**
Aluminum	ND		460	mg/Kg	1	9/16/2016 01:24 PM
Arsenic	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Barium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Beryllium	ND		0.46	mg/Kg	1	9/16/2016 01:24 PM
Cadmium	ND		0.91	mg/Kg	1	9/16/2016 01:24 PM
Calcium	ND		6,400	mg/Kg	1	9/16/2016 01:24 PM
Chromium	ND		1.8	mg/Kg	1	9/16/2016 01:24 PM
Cobalt	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Copper	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Iron	ND		91	mg/Kg	1	9/16/2016 01:24 PM
Lead	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Lithium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Magnesium	ND		550	mg/Kg	1	9/16/2016 01:24 PM
Manganese	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Molybdenum	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Nickel	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Phosphorus	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Platinum	ND		91	mg/Kg	1	9/16/2016 01:24 PM
Selenium	ND		2.7	mg/Kg	1	9/16/2016 01:24 PM
Silver	ND		0.91	mg/Kg	1	9/16/2016 01:24 PM
Sodium	ND		460	mg/Kg	1	9/16/2016 01:24 PM
Tellurium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Thallium	ND		2.7	mg/Kg	1	9/16/2016 01:24 PM
Tin	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Titanium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Tungsten	ND		91	mg/Kg	1	9/16/2016 01:24 PM
Vanadium	ND		4.6	mg/Kg	1	9/16/2016 01:24 PM
Yttrium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
Zinc	ND		73	mg/Kg	1	9/16/2016 01:24 PM
Zirconium	ND		9.1	mg/Kg	1	9/16/2016 01:24 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **9/9/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1,2,4-Trichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1,2-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1,3-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1,3-Dinitrobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1-Methylnaphthalene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
1-Naphthylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,3,4,6-Tetrachlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,4,5-Trichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,4,6-Trichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,4-Dichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,4-Dimethylphenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,4-Dinitrophenol	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
2,4-Dinitrotoluene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,6-Dichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2,6-Dinitrotoluene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Acetylaminofluorene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Chloronaphthalene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Chlorophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Methylnaphthalene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Methylphenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Naphthylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Nitroaniline	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
2-Nitrophenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
2-Picoline	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
3&4-Methylphenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
3,3`-Dichlorobenzidine	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
3-Methylcholanthrene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
3-Nitroaniline	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
4,6-Dinitro-2-methylphenol	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
4-Aminobiphenyl	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
4-Bromophenyl phenyl ether	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
4-Chloro-3-methylphenol	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
4-Chloroaniline	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
4-Chlorophenyl phenyl ether	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
4-Nitroaniline	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
4-Nitrophenol	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
4-Nitroquinoline 1-oxide	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
5-Nitro-o-toluidine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
7,12-Dimethylbenz(a)anthracene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Acenaphthene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Acenaphthylene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Acetophenone	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Aniline	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Azobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzidine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzo(a)anthracene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzo(a)pyrene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzo(b)fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzo(g,h,i)perylene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzo(k)fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Benzyl alcohol	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
Bis(2-chloroethoxy)methane	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Bis(2-chloroethyl)ether	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Bis(2-chloroisopropyl)ether	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Bis(2-ethylhexyl)phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Butyl benzyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Carbazole	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Chrysene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Dibenzo(a,h)anthracene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Dibenzofuran	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Diethyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Dimethyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Di-n-butyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Di-n-octyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Dinoseb	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Diphenylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Ethyl methanesulfonate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Fluorene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Hexachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Hexachlorobutadiene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Hexachlorocyclopentadiene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Hexachloroethane	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Indeno(1,2,3-cd)pyrene	ND		900	µg/Kg	1	9/12/2016 06:27 PM
Isophorone	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Isosafrole	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Methapyrilene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Methyl methanesulfonate	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Naphthalene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Nitrobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosodiethylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosodimethylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitroso-di-n-butylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosodi-n-propylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosomethylethylamine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosomorpholine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosopiperidine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
N-Nitrosopyrrolidine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
o-Toluidine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
p-Dimethylaminoazobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Pentachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Pentachloroethane	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Pentachloronitrobenzene	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
Pentachlorophenol	ND		9,900	µg/Kg	1	9/12/2016 06:27 PM
Phenacetin	ND		3,900	µg/Kg	1	9/12/2016 06:27 PM
Phenanthrene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Phenol	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Pyrene	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Pyridine	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Safrole	ND		2,000	µg/Kg	1	9/12/2016 06:27 PM
Surr: 2,4,6-Tribromophenol	*50.7*		*18-115*	*%REC*	1	9/12/2016 06:27 PM
Surr: 2-Fluorobiphenyl	*55.6*		*30-116*	*%REC*	1	9/12/2016 06:27 PM
Surr: 2-Fluorophenol	*10.4*	S	*24-105*	*%REC*	1	9/12/2016 06:27 PM
Surr: 4-Terphenyl-d14	*39.7*		*17.4-107*	*%REC*	1	9/12/2016 06:27 PM
Surr: Nitrobenzene-d5	*45.1*		*32-106*	*%REC*	1	9/12/2016 06:27 PM
Surr: Phenol-d5	*7.56*	S	*31.3-83.5*	*%REC*	1	9/12/2016 06:27 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1-Dichloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,1-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2-Dibromoethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,2-Dichloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,3-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
1,4-Dichlorobenzene	**250**		**25**	**µg/Kg**	5	9/9/2016 04:36 AM
2,2-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
2-Butanone	ND		250	µg/Kg	5	9/9/2016 04:36 AM
2-Chlorotoluene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
2-Hexanone	ND		25	µg/Kg	5	9/9/2016 04:36 AM
4-Chlorotoluene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Acetone	ND		250	µg/Kg	5	9/9/2016 04:36 AM
Benzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Bromobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Bromochloromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Bromodichloromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Bromoform	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Bromomethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Carbon disulfide	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Carbon tetrachloride	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Chlorobenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Chloroethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Chloroform	**50**		**25**	**µg/Kg**	5	9/9/2016 04:36 AM
Chloromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Dibromochloromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Dibromomethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Dichlorodifluoromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Ethylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Hexachlorobutadiene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Isopropylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
m,p-Xylene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Methyl tert-butyl ether	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Methylene chloride	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Naphthalene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
n-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
n-Propylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
o-Xylene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
p-Isopropyltoluene	ND		25	µg/Kg	5	9/9/2016 04:36 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
sec-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Styrene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
tert-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Tetrachloroethene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Toluene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Trichloroethene	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Trichlorofluoromethane	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Vinyl chloride	ND		25	µg/Kg	5	9/9/2016 04:36 AM
Xylenes, Total	ND		50	µg/Kg	5	9/9/2016 04:36 AM
Surr: 4-Bromofluorobenzene	*143*		*62.7-159*	*%REC*	5	9/9/2016 04:36 AM
Surr: Dibromofluoromethane	*87.0*		*67.3-136*	*%REC*	5	9/9/2016 04:36 AM
Surr: Toluene-d8	*95.6*		*83-124*	*%REC*	5	9/9/2016 04:36 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab VOCs
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
2-Butanone	ND		50	µg/L	1	9/9/2016 03:22 PM
2-Chlorotoluene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
2-Hexanone	ND		5.0	µg/L	1	9/9/2016 03:22 PM
4-Chlorotoluene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Acetone	ND		50	µg/L	1	9/9/2016 03:22 PM
Benzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Bromobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Bromochloromethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Bromodichloromethane	**7.3**		**5.0**	**µg/L**	1	9/9/2016 03:22 PM
Bromoform	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Bromomethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Carbon disulfide	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Carbon tetrachloride	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Chlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Chloroethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Chloroform	**20**		**5.0**	**µg/L**	1	9/9/2016 03:22 PM
Chloromethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Water Meter Grab VOCs
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Dibromochloromethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Dibromomethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Ethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Isopropylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
m,p-Xylene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Methylene chloride	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Naphthalene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
n-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
n-Propylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
o-Xylene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
sec-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Styrene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
tert-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Tetrachloroethene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Toluene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Trichloroethene	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	9/9/2016 03:22 PM
Vinyl chloride	ND		2.0	µg/L	1	9/9/2016 03:22 PM
Xylenes, Total	ND		10	µg/L	1	9/9/2016 03:22 PM
Surr: 4-Bromofluorobenzene	*105*		*61-131*	*%REC*	1	9/9/2016 03:22 PM
Surr: Dibromofluoromethane	*99.7*		*87-126*	*%REC*	1	9/9/2016 03:22 PM
Surr: Toluene-d8	*97.5*		*84-111*	*%REC*	1	9/9/2016 03:22 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab Metals
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **9/16/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	9/16/2016
METALS BY ICP			**SW6010B**		Prep Date: **9/9/2016**	Analyst: **SRL**
Aluminum	ND		0.20	mg/L	1	9/9/2016 05:02 PM
Arsenic	ND		0.010	mg/L	1	9/9/2016 05:02 PM
Barium	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Beryllium	ND		0.0040	mg/L	1	9/9/2016 05:02 PM
Cadmium	ND		0.0050	mg/L	1	9/9/2016 05:02 PM
Calcium	**25**		**0.20**	**mg/L**	1	9/9/2016 05:02 PM
Chromium	ND		0.020	mg/L	1	9/9/2016 05:02 PM
Cobalt	ND		0.050	mg/L	1	9/9/2016 05:02 PM
Copper	**0.040**		**0.025**	**mg/L**	1	9/9/2016 05:02 PM
Iron	ND		0.20	mg/L	1	9/9/2016 05:02 PM
Lead	ND		0.015	mg/L	1	9/9/2016 05:02 PM
Lithium	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Magnesium	**7.5**		**0.20**	**mg/L**	1	9/9/2016 05:02 PM
Manganese	ND		0.050	mg/L	1	9/9/2016 05:02 PM
Molybdenum	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Nickel	ND		0.040	mg/L	1	9/9/2016 05:02 PM
Phosphorus	**0.98**		**0.10**	**mg/L**	1	9/9/2016 05:02 PM
Platinum	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Selenium	ND		0.030	mg/L	1	9/9/2016 05:02 PM
Silver	ND		0.010	mg/L	1	9/9/2016 05:02 PM
Sodium	**5.1**		**0.20**	**mg/L**	1	9/9/2016 05:02 PM
Tellurium	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Thallium	ND		0.0050	mg/L	1	9/9/2016 05:02 PM
Tin	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Titanium	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Tungsten	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Vanadium	ND		0.050	mg/L	1	9/9/2016 05:02 PM
Yttrium	ND		0.10	mg/L	1	9/9/2016 05:02 PM
Zinc	ND		0.050	mg/L	1	9/9/2016 05:02 PM
Zirconium	ND		0.10	mg/L	1	9/9/2016 05:02 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **9/16/2016**	Analyst: **VAW**
Mercury	ND		0.30	mg/Kg	1	9/16/2016
METALS BY ICP			**SW6010B**		Prep Date: **9/16/2016**	Analyst: **SRL**
Aluminum	ND		480	mg/Kg	1	9/16/2016 01:34 PM
Arsenic	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Barium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Beryllium	ND		0.48	mg/Kg	1	9/16/2016 01:34 PM
Cadmium	ND		0.96	mg/Kg	1	9/16/2016 01:34 PM
Calcium	ND		6,700	mg/Kg	1	9/16/2016 01:34 PM
Chromium	ND		1.9	mg/Kg	1	9/16/2016 01:34 PM
Cobalt	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Copper	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Iron	ND		96	mg/Kg	1	9/16/2016 01:34 PM
Lead	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Lithium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Magnesium	ND		580	mg/Kg	1	9/16/2016 01:34 PM
Manganese	**12**		**4.8**	**mg/Kg**	1	9/16/2016 01:34 PM
Molybdenum	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Nickel	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Phosphorus	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Platinum	ND		96	mg/Kg	1	9/16/2016 01:34 PM
Selenium	ND		2.9	mg/Kg	1	9/16/2016 01:34 PM
Silver	ND		0.96	mg/Kg	1	9/16/2016 01:34 PM
Sodium	ND		480	mg/Kg	1	9/16/2016 01:34 PM
Tellurium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Thallium	ND		2.9	mg/Kg	1	9/16/2016 01:34 PM
Tin	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Titanium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Tungsten	ND		96	mg/Kg	1	9/16/2016 01:34 PM
Vanadium	ND		4.8	mg/Kg	1	9/16/2016 01:34 PM
Yttrium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
Zinc	ND		77	mg/Kg	1	9/16/2016 01:34 PM
Zirconium	ND		9.6	mg/Kg	1	9/16/2016 01:34 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **9/9/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1,2,4-Trichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1,2-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1,3-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1,3-Dinitrobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dichlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1-Methylnaphthalene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
1-Naphthylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,3,4,6-Tetrachlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,4,5-Trichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,4,6-Trichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,4-Dichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,4-Dimethylphenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,4-Dinitrophenol	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
2,4-Dinitrotoluene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,6-Dichlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2,6-Dinitrotoluene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Acetylaminofluorene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Chloronaphthalene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Chlorophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Methylnaphthalene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Methylphenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Naphthylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Nitroaniline	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
2-Nitrophenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
2-Picoline	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
3&4-Methylphenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
3,3`-Dichlorobenzidine	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
3-Methylcholanthrene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
3-Nitroaniline	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
4,6-Dinitro-2-methylphenol	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
4-Aminobiphenyl	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
4-Bromophenyl phenyl ether	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
4-Chloro-3-methylphenol	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
4-Chloroaniline	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
4-Chlorophenyl phenyl ether	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
4-Nitroaniline	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
4-Nitrophenol	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
4-Nitroquinoline 1-oxide	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
5-Nitro-o-toluidine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
7,12-Dimethylbenz(a)anthracene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Acenaphthene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Acenaphthylene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Acetophenone	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Aniline	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Azobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzidine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzo(a)anthracene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzo(a)pyrene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzo(b)fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzo(g,h,i)perylene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzo(k)fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Benzyl alcohol	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
Bis(2-chloroethoxy)methane	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Bis(2-chloroethyl)ether	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Bis(2-chloroisopropyl)ether	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Bis(2-ethylhexyl)phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Butyl benzyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Carbazole	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Chrysene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Dibenzo(a,h)anthracene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Dibenzofuran	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Diethyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Dimethyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Di-n-butyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Di-n-octyl phthalate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Dinoseb	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Diphenylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Ethyl methanesulfonate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Fluoranthene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Fluorene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Hexachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Hexachlorobutadiene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Hexachlorocyclopentadiene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Hexachloroethane	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Indeno(1,2,3-cd)pyrene	ND		890	µg/Kg	1	9/12/2016 07:23 PM
Isophorone	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Isosafrole	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Methapyrilene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Methyl methanesulfonate	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Naphthalene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Nitrobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosodiethylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosodimethylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitroso-di-n-butylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosodi-n-propylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosomethylethylamine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosomorpholine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosopiperidine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
N-Nitrosopyrrolidine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
o-Toluidine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
p-Dimethylaminoazobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Pentachlorobenzene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Pentachloroethane	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Pentachloronitrobenzene	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
Pentachlorophenol	ND		9,800	µg/Kg	1	9/12/2016 07:23 PM
Phenacetin	ND		3,900	µg/Kg	1	9/12/2016 07:23 PM
Phenanthrene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Phenol	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Pyrene	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Pyridine	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Safrole	ND		2,000	µg/Kg	1	9/12/2016 07:23 PM
Surr: 2,4,6-Tribromophenol	*52.2*		*18-115*	*%REC*	1	9/12/2016 07:23 PM
Surr: 2-Fluorobiphenyl	*54.8*		*30-116*	*%REC*	1	9/12/2016 07:23 PM
Surr: 2-Fluorophenol	*10.4*	S	*24-105*	*%REC*	1	9/12/2016 07:23 PM
Surr: 4-Terphenyl-d14	*42.5*		*17.4-107*	*%REC*	1	9/12/2016 07:23 PM
Surr: Nitrobenzene-d5	*44.3*		*32-106*	*%REC*	1	9/12/2016 07:23 PM
Surr: Phenol-d5	*7.72*	S	*31.3-83.5*	*%REC*	1	9/12/2016 07:23 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1-Dichloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,1-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2-Dibromoethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,2-Dichloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,3-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
1,4-Dichlorobenzene	**220**		**25**	**µg/Kg**	5	9/9/2016 05:06 AM
2,2-Dichloropropane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
2-Butanone	ND		250	µg/Kg	5	9/9/2016 05:06 AM
2-Chlorotoluene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
2-Hexanone	ND		25	µg/Kg	5	9/9/2016 05:06 AM
4-Chlorotoluene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Acetone	ND		250	µg/Kg	5	9/9/2016 05:06 AM
Benzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Bromobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Bromochloromethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Bromodichloromethane	**26**		**25**	**µg/Kg**	5	9/9/2016 05:06 AM
Bromoform	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Bromomethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Carbon disulfide	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Carbon tetrachloride	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Chlorobenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Chloroethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Chloroform	**110**		**25**	**µg/Kg**	5	9/9/2016 05:06 AM
Chloromethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Dibromochloromethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Dibromomethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Dichlorodifluoromethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Ethylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Hexachlorobutadiene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Isopropylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
m,p-Xylene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Methyl tert-butyl ether	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Methylene chloride	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Naphthalene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
n-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
n-Propylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
o-Xylene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
p-Isopropyltoluene	ND		25	µg/Kg	5	9/9/2016 05:06 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Grab WaterBug
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
sec-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Styrene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
tert-Butylbenzene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Tetrachloroethene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Toluene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Trichloroethene	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Trichlorofluoromethane	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Vinyl chloride	ND		25	µg/Kg	5	9/9/2016 05:06 AM
Xylenes, Total	ND		50	µg/Kg	5	9/9/2016 05:06 AM
Surr: 4-Bromofluorobenzene	*144*		*62.7-159*	*%REC*	5	9/9/2016 05:06 AM
Surr: Dibromofluoromethane	*97.3*		*67.3-136*	*%REC*	5	9/9/2016 05:06 AM
Surr: Toluene-d8	*92.1*		*83-124*	*%REC*	5	9/9/2016 05:06 AM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Sample ID: Shower Amber Grab for Bacteria/Fungi
Collection Date: 9/1/2016

Work Order: 1609134
Lab ID: 1609134-08
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
2-Butanone	ND		50	µg/L	1	9/9/2016 03:52 PM
2-Chlorotoluene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
2-Hexanone	ND		5.0	µg/L	1	9/9/2016 03:52 PM
4-Chlorotoluene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Acetone	ND		50	µg/L	1	9/9/2016 03:52 PM
Benzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Bromobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Bromochloromethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Bromodichloromethane	**11**		**5.0**	**µg/L**	1	9/9/2016 03:52 PM
Bromoform	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Bromomethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Carbon disulfide	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Carbon tetrachloride	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Chlorobenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Chloroethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Chloroform	**45**		**5.0**	**µg/L**	1	9/9/2016 03:52 PM
Chloromethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Work Order: 1609134
Sample ID: Shower Amber Grab for Bacteria/Fungi
Lab ID: 1609134-08
Collection Date: 9/1/2016
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Dibromochloromethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Dibromomethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Ethylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Isopropylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
m,p-Xylene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Methylene chloride	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Naphthalene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
n-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
n-Propylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
o-Xylene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
sec-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Styrene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
tert-Butylbenzene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Tetrachloroethene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Toluene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Trichloroethene	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	9/9/2016 03:52 PM
Vinyl chloride	ND		2.0	µg/L	1	9/9/2016 03:52 PM
Xylenes, Total	ND		10	µg/L	1	9/9/2016 03:52 PM
Surr: 4-Bromofluorobenzene	*105*		*61-131*	*%REC*	1	9/9/2016 03:52 PM
Surr: Dibromofluoromethane	*100*		*87-126*	*%REC*	1	9/9/2016 03:52 PM
Surr: Toluene-d8	*97.8*		*84-111*	*%REC*	1	9/9/2016 03:52 PM

Note:

ALS Environmental

Date: *20-Sep-16*

Client: Water Defense
Project: Ex. 6 - Personal Privacy
Work Order: 1609134

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 38253					
	Analysis	1609134-03a	1354732	Semi-Volatile Organic Compounds	Select surrogate recoveries are outside of quality control limits due to sample matrix interference.
	Analysis	1609134-07a	1354734	Semi-Volatile Organic Compounds	Select surrogate recoveries are outside of quality control limits due to sample matrix interference.
	Analysis	lcs-38253	1354722	Semi-Volatile Organic Compounds	Select surrogate recoveries are outside of quality control limits due to sample matrix interference.
	Analysis	mblk-38253	1354721	Semi-Volatile Organic Compounds	Select surrogate recoveries are outside of quality control limits due to sample matrix interference.
Batch R132714					
	Analysis	1609134-03A	1352090	Volatile Organic Compounds	ISTD outside QA/QC limits. Results should be considered estimated.
	Analysis	1609134-07A	1352091	Volatile Organic Compounds	ISTD outside QA/QC limits. Results should be considered estimated.
	Analysis	LCS	1352092	Volatile Organic Compounds	ISTD outside QA/QC limits. Results should be considered estimated.
	Analysis	MBLK	1352082	Volatile Organic Compounds	ISTD outside QA/QC limits. Results should be considered estimated.

ALS Environmental

Date: 20-Sep-16

Client: Water Defense

Work Order: 1609134

Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38388** Instrument ID: **HG1** Method: **SW7470A**

MBLK Sample ID: **mblk-38388-38388** Units: **µg/L** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916C** SeqNo: **1356975** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.50								

LCS Sample ID: **lcs-38388-38388** Units: **µg/L** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916C** SeqNo: **1356976** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.13	0.50	5	0	103	80-120	0			

LCSD Sample ID: **lcsd-38388-38388** Units: **µg/L** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916C** SeqNo: **1356977** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	4.59	0.50	5	0	91.8	80-120	5.13	11.1	20	

MS Sample ID: **1609433-02B MS** Units: **µg/L** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916C** SeqNo: **1356988** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.33	0.50	5	0	107	75-125	0			

MSD Sample ID: **1609433-02B MSD** Units: **µg/L** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916C** SeqNo: **1356989** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.05	0.50	5	0	101	75-125	0			

The following samples were analyzed in this batch: 1609134-02A 1609134-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38393** Instrument ID: **HG1** Method: **SW7471A**

MBLK Sample ID: **mblk-38393-38393** Units: **mg/Kg** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916A** SeqNo: **1356950** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.30								

LCS Sample ID: **lcs-38393-38393** Units: **mg/Kg** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916A** SeqNo: **1356951** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8001	0.30	0.8282	0	96.6	69-147	0			

LCSD Sample ID: **lcsd-38393-38393** Units: **mg/Kg** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916A** SeqNo: **1356952** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8058	0.30	0.8272	0	97.4	69-147	0.8001	0.709	20	

MS Sample ID: **1609132-03a ms** Units: **mg/Kg** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916A** SeqNo: **1356954** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.7938	0.30	0.8234	0	96.4	69-147	0			

MSD Sample ID: **1609132-03a msd** Units: **mg/Kg** Analysis Date: **9/16/2016**
Client ID: Run ID: **HG1_160916A** SeqNo: **1356955** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.819	0.30	0.8256	0	99.2	69-147	0.7938	3.13	20	

The following samples were analyzed in this batch: 1609134-03A 1609134-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38255** Instrument ID: **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-38255-38255** Units: **mg/L** Analysis Date: **9/9/2016 04:11 PM**
Client ID: Run ID: **ICP3_160909B** SeqNo: **1352949** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.20								
Arsenic	ND	0.010								
Barium	ND	0.10								
Beryllium	ND	0.00040								
Cadmium	ND	0.0050								
Calcium	ND	0.20								
Chromium	ND	0.020								
Cobalt	ND	0.025								
Copper	ND	0.025								
Iron	ND	0.20								
Lead	ND	0.015								
Lithium	ND	0.10								
Magnesium	ND	0.20								
Manganese	ND	0.050								
Molybdenum	ND	0.10								
Nickel	ND	0.050								
Phosphorus	ND	0.10								
Platinum	ND	0.10								
Selenium	ND	0.030								
Silver	ND	0.010								
Sodium	ND	0.20								
Tellurium	ND	0.10								
Thallium	ND	0.0020								
Tin	ND	0.10								
Titanium	ND	0.10								
Tungsten	ND	0.10								
Vanadium	ND	0.050								
Yttrium	ND	0.10								
Zinc	ND	0.050								
Zirconium	ND	0.10								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38255** Instrument ID: **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-38255-38255** Units: **mg/L** Analysis Date: **9/9/2016 04:14 PM**
Client ID: Run ID: **ICP3_160909B** SeqNo: **1352950** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.9539	0.20	1.1	0	86.7	87.9-120	0			S
Arsenic	1.04	0.010	1.1	0	94.5	80-120	0			
Barium	1.08	0.10	1.1	0	98.1	80-120	0			
Beryllium	0.9892	0.00040	1.1	0	89.9	80-120	0			
Cadmium	1.07	0.0050	1.1	0	97.3	80-120	0			
Calcium	0.9826	0.20	1.1	0	89.3	80.3-122	0			
Chromium	1.029	0.020	1.1	0	93.6	80-120	0			
Cobalt	1.026	0.025	1.1	0	93.3	80-120	0			
Copper	1.002	0.025	1.1	0	91.1	80-120	0			
Lead	1.088	0.015	1.1	0	99	80-120	0			
Magnesium	1.04	0.20	1.1	0	94.5	80-120	0			
Manganese	0.9892	0.050	1.1	0	89.9	80-120	0			
Molybdenum	1.032	0.10	1.1	0	93.8	80-120	0			
Nickel	1.038	0.050	1.1	0	94.4	80-120	0			
Selenium	1.038	0.030	1.1	0	94.3	80-120	0			
Silver	1.026	0.010	1.1	0	93.3	80-120	0			
Sodium	0.9735	0.20	1.1	0	88.5	80-120	0			
Thallium	1.036	0.0050	1.1	0	94.2	80-120	0			
Titanium	0.985	0.10	1.1	0	89.6	80-120	0			
Vanadium	0.9888	0.050	1.1	0	89.9	80-120	0			
Zinc	1.054	0.050	1.1	0	95.8	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38255** Instrument ID: **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-38255-38255** Units: **mg/L** Analysis Date: **9/9/2016 04:17 PM**
Client ID: Run ID: **ICP3_160909B** SeqNo: **1352951** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.014	0.20	1.1	0	92.2	87.9-120	0.9539	6.08	20	
Arsenic	1.037	0.010	1.1	0	94.3	80-120	1.04	0.233	20	
Barium	1.081	0.10	1.1	0	98.2	80-120	1.08	0.0917	20	
Beryllium	1.025	0.00040	1.1	0	93.2	80-120	0.9892	3.57	20	
Cadmium	1.07	0.0050	1.1	0	97.2	80-120	1.07	0.0514	20	
Calcium	1.016	0.20	1.1	0	92.4	80.3-122	0.9826	3.36	20	
Chromium	1.066	0.020	1.1	0	96.9	80-120	1.029	3.45	20	
Cobalt	1.028	0.025	1.1	0	93.5	80-120	1.026	0.214	20	
Copper	1.043	0.025	1.1	0	94.8	80-120	1.002	3.95	20	
Iron	1.03	0.20	1.1	0	93.7	80-120	1.01	1.99	20	
Lead	1.086	0.015	1.1	0	98.7	80-120	1.088	0.233	20	
Magnesium	1.085	0.20	1.1	0	98.7	80-120	1.04	4.28	20	
Manganese	1.033	0.050	1.1	0	94	80-120	0.9892	4.37	20	
Molybdenum	1.035	0.10	1.1	0	94.1	80-120	1.032	0.298	20	
Nickel	1.039	0.050	1.1	0	94.5	80-120	1.038	0.117	20	
Selenium	1.039	0.030	1.1	0	94.5	80-120	1.038	0.138	20	
Silver	1.057	0.010	1.1	0	96.1	80-120	1.026	2.99	20	
Sodium	1.009	0.20	1.1	0	91.7	80-120	0.9735	3.55	20	
Thallium	1.036	0.0050	1.1	0	94.2	80-120	1.036	0	20	
Titanium	1.017	0.10	1.1	0	92.4	80-120	0.985	3.15	20	
Vanadium	1.009	0.050	1.1	0	91.8	80-120	0.9888	2.05	20	
Zinc	1.053	0.050	1.1	0	95.7	80-120	1.054	0.157	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38255** Instrument ID: **ICP3** Method: **SW6010B**

MS Sample ID: **1609134-06a ms** Units: **mg/L** Analysis Date: **9/9/2016 05:05 PM**
Client ID: **Shower Grab Metals** Run ID: **ICP3_160909B** SeqNo: **1352964** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.216	0.20	1.1	0.1874	93.5	75-125	0			
Arsenic	1.054	0.010	1.1	-0.003794	96.1	75-125	0			
Barium	1.082	0.10	1.1	0.0139	97.1	75-125	0			
Beryllium	1.016	0.00040	1.1	-0.0002497	92.4	75-125	0			
Cadmium	1.067	0.0050	1.1	-0.0000088	97	75-125	0			
Calcium	24.84	0.20	1.1	24.6	22	75-125	0			SO
Chromium	1.03	0.020	1.1	0.0009746	93.5	75-125	0			
Cobalt	1.01	0.025	1.1	-0.0007436	91.9	75-125	0			
Copper	1.029	0.025	1.1	0.04011	89.9	75-125	0			
Iron	1.051	0.20	1.1	0.03411	92.4	75-125	0			
Lead	1.074	0.015	1.1	0.005179	97.1	75-125	0			
Magnesium	8.293	0.20	1.1	7.465	75.3	75-125	0			O
Manganese	1.008	0.050	1.1	0.002155	91.5	75-125	0			
Molybdenum	1.044	0.10	1.1	-0.001114	95	75-125	0			
Nickel	1.018	0.050	1.1	0.0002904	92.5	75-125	0			
Selenium	1.04	0.030	1.1	-0.001251	94.7	75-125	0			
Silver	1.023	0.010	1.1	0.0003058	93	75-125	0			
Sodium	5.916	0.20	1.1	5.05	78.7	75-125	0			O
Thallium	1.017	0.0050	1.1	0.00172	92.3	75-125	0			
Titanium	1.006	0.10	1.1	-0.002713	91.7	75-125	0			
Vanadium	0.993	0.050	1.1	-0.007606	91	75-125	0			
Zinc	1.072	0.050	1.1	0.03188	94.5	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38255** Instrument ID: **ICP3** Method: **SW6010B**

MSD Sample ID: **1609134-06a msd** Units: **mg/L** Analysis Date: **9/9/2016 05:14 PM**
Client ID: **Shower Grab Metals** Run ID: **ICP3_160909B** SeqNo: **1352965** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.25	0.20	1.1	0.1874	96.6	75-125	1.216	2.77	20	
Arsenic	1.049	0.010	1.1	-0.003794	95.7	75-125	1.054	0.481	20	
Barium	1.082	0.10	1.1	0.0139	97.1	75-125	1.082	0.0203	20	
Beryllium	1.027	0.00040	1.1	-0.0002497	93.4	75-125	1.016	1.09	20	
Cadmium	1.062	0.0050	1.1	-0.0000088	96.5	75-125	1.067	0.455	20	
Calcium	25.33	0.20	1.1	24.6	67	75-125	24.84	1.97	20	SO
Chromium	1.047	0.020	1.1	0.0009746	95.1	75-125	1.03	1.67	20	
Cobalt	1.006	0.025	1.1	-0.0007436	91.6	75-125	1.01	0.371	20	
Copper	1.044	0.025	1.1	0.04011	91.3	75-125	1.029	1.51	20	
Iron	1.059	0.20	1.1	0.03411	93.2	75-125	1.051	0.824	20	
Lead	1.067	0.015	1.1	0.005179	96.6	75-125	1.074	0.586	20	
Magnesium	8.407	0.20	1.1	7.465	85.7	75-125	8.293	1.37	20	O
Manganese	1.013	0.050	1.1	0.002155	91.9	75-125	1.008	0.49	20	
Molybdenum	1.035	0.10	1.1	-0.001114	94.2	75-125	1.044	0.825	20	
Nickel	1.016	0.050	1.1	0.0002904	92.3	75-125	1.018	0.227	20	
Selenium	1.028	0.030	1.1	-0.001251	93.6	75-125	1.04	1.17	20	
Silver	1.036	0.010	1.1	0.0003058	94.2	75-125	1.023	1.28	20	
Sodium	6.026	0.20	1.1	5.05	88.7	75-125	5.916	1.84	20	O
Thallium	1.012	0.0050	1.1	0.00172	91.8	75-125	1.017	0.52	20	
Titanium	1.021	0.10	1.1	-0.002713	93	75-125	1.006	1.49	20	
Vanadium	1.017	0.050	1.1	-0.007606	93.1	75-125	0.993	2.39	20	
Zinc	1.07	0.050	1.1	0.03188	94.4	75-125	1.072	0.185	20	

The following samples were analyzed in this batch: 1609134-02a 1609134-06a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38378** Instrument ID: **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-38378-38378** Units: **mg/Kg** Analysis Date: **9/16/2016 01:06 PM**
Client ID: Run ID: **ICP3_160916B** SeqNo: **1357111** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490								
Arsenic	ND	4.9								
Barium	ND	9.7								
Beryllium	ND	0.49								
Cadmium	ND	0.97								
Calcium	ND	6,800								
Chromium	ND	1.9								
Cobalt	ND	4.9								
Copper	ND	4.9								
Iron	ND	97								
Lead	ND	4.9								
Lithium	ND	9.7								
Magnesium	ND	580								
Manganese	ND	4.9								
Molybdenum	ND	9.7								
Nickel	ND	4.9								
Phosphorus	ND	9.7								
Platinum	ND	97								
Selenium	ND	2.9								
Silver	ND	0.97								
Sodium	ND	490								
Tellurium	ND	9.7								
Thallium	ND	2.9								
Tin	ND	9.7								
Titanium	ND	9.7								
Tungsten	ND	97								
Vanadium	ND	4.9								
Yttrium	ND	9.7								
Zinc	ND	78								
Zirconium	ND	9.7								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38378** Instrument ID: **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-38378-38378** Units: **mg/Kg** Analysis Date: **9/16/2016 01:09 PM**
Client ID: Run ID: **ICP3_160916B** SeqNo: **1357112** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490	196.2	0	132	80-120	0			S
Arsenic	206	4.9	196.2	0	105	80-120	0			
Barium	206.6	9.8	196.2	0	105	80-120	0			
Beryllium	205.5	0.49	196.2	0	105	80-120	0			
Cadmium	208.4	0.98	196.2	0	106	80-120	0			
Calcium	ND	6,900	196.2	0	2970	80-120	0			S
Chromium	201.5	2.0	196.2	0	103	80-120	0			
Cobalt	195.2	4.9	196.2	0	99.4	80-120	0			
Copper	201.3	4.9	196.2	0	103	80-120	0			
Iron	224.7	98	196.2	0	114	80-120	0			
Lead	214.1	4.9	196.2	0	109	80-120	0			
Magnesium	676.8	590	196.2	0	345	80-120	0			S
Manganese	205.7	4.9	196.2	0	105	80-120	0			
Molybdenum	195.4	9.8	196.2	0	99.6	80-120	0			
Nickel	198.6	4.9	196.2	0	101	80-120	0			
Selenium	201.7	2.9	196.2	0	103	80-120	0			
Silver	198.2	0.98	196.2	0	101	80-120	0			
Sodium	ND	490	196.2	0	105	80-120	0			
Thallium	198	2.9	196.2	0	101	80-120	0			
Titanium	200.5	9.8	196.2	0	102	80-120	0			
Vanadium	202.7	4.9	196.2	0	103	80-120	0			
Zinc	265.3	78	196.2	0	135	80-120	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38378** Instrument ID: **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-38378-38378** Units: **mg/Kg** Analysis Date: **9/16/2016 01:12 PM**
Client ID: Run ID: **ICP3_160916B** SeqNo: **1357113** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	500	198.3	0	132	80-120	258	0	20	S
Arsenic	213.7	5.0	198.3	0	108	80-120	206	3.66	20	
Barium	214.9	9.9	198.3	0	108	80-120	206.6	3.93	20	
Beryllium	210.5	0.50	198.3	0	106	80-120	205.5	2.45	20	
Cadmium	217.3	0.99	198.3	0	110	80-120	208.4	4.18	20	
Calcium	ND	6,900	198.3	0	2470	80-120	5834	0	20	S
Chromium	207.4	2.0	198.3	0	105	80-120	201.5	2.86	20	
Cobalt	203.6	5.0	198.3	0	103	80-120	195.2	4.24	20	
Copper	205.6	5.0	198.3	0	104	80-120	201.3	2.09	20	
Iron	226.2	99	198.3	0	114	80-120	224.7	0.676	20	
Lead	222	5.0	198.3	0	112	80-120	214.1	3.65	20	
Magnesium	606.1	590	198.3	0	306	80-120	676.8	11	20	S
Manganese	210.5	5.0	198.3	0	106	80-120	205.7	2.35	20	
Molybdenum	203.6	9.9	198.3	0	103	80-120	195.4	4.11	20	
Nickel	206.6	5.0	198.3	0	104	80-120	198.6	3.95	20	
Selenium	210.2	3.0	198.3	0	106	80-120	201.7	4.09	20	
Silver	203.8	0.99	198.3	0	103	80-120	198.2	2.79	20	
Sodium	ND	500	198.3	0	105	80-120	205.7	0	20	
Thallium	206.4	3.0	198.3	0	104	80-120	198	4.15	20	
Titanium	205	9.9	198.3	0	103	80-120	200.5	2.19	20	
Vanadium	206.4	5.0	198.3	0	104	80-120	202.7	1.8	20	
Zinc	262.7	79	198.3	0	132	80-120	265.3	0.992	20	S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38378** Instrument ID: **ICP3** Method: **SW6010B**

MS Sample ID: **1609134-07a ms** Units: **mg/Kg** Analysis Date: **9/16/2016 01:37 PM**
Client ID: **Shower Grab WaterBug** Run ID: **ICP3_160916B** SeqNo: **1357119** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490	197	11.94	101	75-125	0			
Arsenic	199.6	4.9	197	0.6007	101	75-125	0			
Barium	201.3	9.9	197	0.07682	102	75-125	0			
Beryllium	194.4	0.49	197	0.005391	98.7	75-125	0			
Cadmium	202.7	0.99	197	0.03774	103	75-125	0			
Calcium	ND	6,900	197	1245	89.1	75-125	0			O
Chromium	194.9	2.0	197	-0.031	99	75-125	0			
Cobalt	192.1	4.9	197	0.008856	97.5	75-125	0			
Copper	191.6	4.9	197	0.2899	97.1	75-125	0			
Iron	200	99	197	9.032	96.9	75-125	0			
Lead	204.3	4.9	197	-0.1398	104	75-125	0			
Lithium	ND	9.9	197	0.4883	0.116	75-125	0			S
Magnesium	ND	590	197	97.17	101	75-125	0			
Manganese	194.2	4.9	197	12.38	92.3	75-125	0			
Molybdenum	190.9	9.9	197	0.1744	96.8	75-125	0			
Nickel	194.8	4.9	197	0.06508	98.8	75-125	0			
Selenium	196	3.0	197	-0.6762	99.8	75-125	0			
Silver	193	0.99	197	0.09222	97.9	75-125	0			
Sodium	ND	490	197	-5.298	98.8	75-125	0			
Thallium	194.3	3.0	197	0.3758	98.5	75-125	0			
Titanium	191.6	9.9	197	-0.2844	97.4	75-125	0			
Vanadium	192.3	4.9	197	-0.9336	98.1	75-125	0			
Zinc	210.6	79	197	12.54	101	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38378** Instrument ID: **ICP3** Method: **SW6010B**

MSD Sample ID: **1609134-07a msd** Units: **mg/Kg** Analysis Date: **9/16/2016 01:40 PM**
Client ID: **Shower Grab WaterBug** Run ID: **ICP3_160916B** SeqNo: **1357120** Prep Date: **9/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	460	182.1	11.94	101	75-125	211.2	0	20	
Arsenic	186.7	4.6	182.1	0.6007	102	75-125	199.6	6.66	20	
Barium	187.2	9.1	182.1	0.07682	103	75-125	201.3	7.25	20	
Beryllium	183.8	0.46	182.1	0.005391	101	75-125	194.4	5.61	20	
Cadmium	189.4	0.91	182.1	0.03774	104	75-125	202.7	6.77	20	
Calcium	ND	6,400	182.1	1245	12.2	75-125	1420	0	20	SO
Chromium	183.2	1.8	182.1	-0.031	101	75-125	194.9	6.18	20	
Cobalt	179.2	4.6	182.1	0.008856	98.4	75-125	192.1	6.93	20	
Copper	179.7	4.6	182.1	0.2899	98.5	75-125	191.6	6.39	20	
Iron	189.4	91	182.1	9.032	99	75-125	200	5.41	20	
Lead	191.4	4.6	182.1	-0.1398	105	75-125	204.3	6.5	20	
Magnesium	ND	550	182.1	97.17	94.3	75-125	296.3	0	20	
Manganese	184	4.6	182.1	12.38	94.2	75-125	194.2	5.4	20	
Molybdenum	178.6	9.1	182.1	0.1744	98	75-125	190.9	6.65	20	
Nickel	182.1	4.6	182.1	0.06508	100	75-125	194.8	6.71	20	
Selenium	184.3	2.7	182.1	-0.6762	102	75-125	196	6.14	20	
Silver	180.1	0.91	182.1	0.09222	98.8	75-125	193	6.93	20	
Sodium	ND	460	182.1	-5.298	99.8	75-125	189.3	0	20	
Thallium	182.3	2.7	182.1	0.3758	99.9	75-125	194.3	6.38	20	
Titanium	180.6	9.1	182.1	-0.2844	99.3	75-125	191.6	5.92	20	
Vanadium	182.5	4.6	182.1	-0.9336	101	75-125	192.3	5.23	20	
Zinc	196.5	73	182.1	12.54	101	75-125	210.6	6.91	20	

The following samples were analyzed in this batch: 1609134-03a 1609134-07a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38253** Instrument ID: **SVMS2** Method: **SW8270C**

MBLK Sample ID: **mblk-38253-38253** Units: **µg/Kg** Analysis Date: **9/12/2016 01:20 PM**
Client ID: Run ID: **SVMS2_160912A** SeqNo: **1354721** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	2,000								
1,2,4-Trichlorobenzene	ND	2,000								
1,2-Dichlorobenzene	ND	2,000								
1,3-Dichlorobenzene	ND	2,000								
1,3-Dinitrobenzene	ND	2,000								
1,4-Dichlorobenzene	ND	2,000								
1-Methylnaphthalene	ND	2,000								
1-Naphthylamine	ND	2,000								
2,3,4,6-Tetrachlorophenol	ND	2,000								
2,4,5-Trichlorophenol	ND	2,000								
2,4,6-Trichlorophenol	ND	2,000								
2,4-Dichlorophenol	ND	2,000								
2,4-Dimethylphenol	ND	2,000								
2,4-Dinitrophenol	ND	9,900								
2,4-Dinitrotoluene	ND	2,000								
2,6-Dichlorophenol	ND	2,000								
2,6-Dinitrotoluene	ND	2,000								
2-Acetylaminofluorene	ND	2,000								
2-Chloronaphthalene	ND	2,000								
2-Chlorophenol	ND	2,000								
2-Methylnaphthalene	ND	2,000								
2-Methylphenol	ND	2,000								
2-Naphthylamine	ND	2,000								
2-Nitroaniline	ND	9,900								
2-Nitrophenol	ND	2,000								
2-Picoline	ND	2,000								
3&4-Methylphenol	ND	2,000								
3,3`-Dichlorobenzidine	ND	4,000								
3-Methylcholanthrene	ND	2,000								
3-Nitroaniline	ND	9,900								
4,6-Dinitro-2-methylphenol	ND	9,900								
4-Aminobiphenyl	ND	4,000								
4-Bromophenyl phenylether	ND	2,000								
4-Chloro-3-methylphenol	ND	4,000								
4-Chloroaniline	ND	4,000								
4-Chlorophenyl phenyl ether	ND	2,000								
4-Nitroaniline	ND	4,000								
4-Nitrophenol	ND	9,900								
4-Nitroquinoline 1-oxide	ND	2,000								
5-Nitro-o-toluidine	ND	2,000								
7,12-Dimethylbenz(a)anthracene	ND	2,000								
Acenaphthene	ND	2,000								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38253** Instrument ID: **SVMS2** Method: **SW8270C**

Acenaphthylene	ND	2,000
Acetophenone	ND	2,000
Aniline	ND	2,000
Anthracene	ND	2,000
Azobenzene	ND	2,000
Benzidine	ND	2,000
Benzo(a)anthracene	ND	2,000
Benzo(a)pyrene	ND	2,000
Benzo(b)fluoranthene	ND	2,000
Benzo(g,h,i)perylene	ND	2,000
Benzo(k)fluoranthene	ND	2,000
Benzyl alcohol	ND	4,000
Bis(2-chloroethoxy)methane	ND	2,000
Bis(2-chloroethyl)ether	ND	2,000
Bis(2-chloroisopropyl)ether	ND	2,000
Bis(2-ethylhexyl)phthalate	ND	2,000
Butyl benzyl phthalate	ND	2,000
Carbazole	ND	2,000
Chrysene	ND	2,000
Dibenzo(a,h)anthracene	ND	2,000
Dibenzofuran	ND	2,000
Diethyl phthalate	ND	2,000
Dimethyl phthalate	ND	2,000
Di-n-butyl phthalate	ND	2,000
Di-n-octyl phthalate	ND	2,000
Dinoseb	ND	2,000
Diphenylamine	ND	2,000
Ethyl methanesulfonate	ND	2,000
Fluoranthene	ND	2,000
Fluorene	ND	2,000
Hexachlorobenzene	ND	2,000
Hexachlorobutadiene	ND	2,000
Hexachlorocyclopentadiene	ND	2,000
Hexachloroethane	ND	2,000
Indeno(1,2,3-cd)pyrene	ND	900
Isophorone	ND	2,000
Isosafrole	ND	2,000
Methapyrilene	ND	2,000
Methyl methanesulfonate	ND	2,000
Naphthalene	ND	2,000
Nitrobenzene	ND	2,000
N-Nitrosodiethylamine	ND	2,000
N-Nitrosodimethylamine	ND	2,000
N-Nitroso-di-n-butylamine	ND	2,000
N-Nitrosodi-n-propylamine	ND	2,000
N-Nitrosomethylethylamine	ND	2,000
N-Nitrosomorpholine	ND	2,000
N-Nitrosopiperidine	ND	2,000

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **38253** Instrument ID: **SVMS2** Method: **SW8270C**

N-Nitrosopyrrolidine	ND	2,000								
o-Toluidine	ND	2,000								
p-Dimethylaminoazobenzene	ND	2,000								
Pentachlorobenzene	ND	2,000								
Pentachloroethane	ND	2,000								
Pentachloronitrobenzene	ND	4,000								
Pentachlorophenol	ND	9,900								
Phenacetin	ND	4,000								
Phenanthrene	ND	2,000								
Phenol	ND	2,000								
Pyrene	ND	2,000								
Pyridine	ND	2,000								
Safrole	ND	2,000								
Surr: 2,4,6-Tribromophenol	14030	0	*19980*	0	*70.2*	*18-115*	0			
Surr: 2-Fluorobiphenyl	7198	0	*10020*	0	*71.8*	*30-116*	0			
Surr: 2-Fluorophenol	3808	0	*19980*	0	*19.1*	*24-105*	0			S
Surr: 4-Terphenyl-d14	6710	0	*10020*	0	*67*	*17.4-107*	0			
Surr: Nitrobenzene-d5	6092	0	*10020*	0	*60.8*	*32-106*	0			
Surr: Phenol-d5	5340	0	*19980*	0	*26.7*	*31.3-83.5*	0			S

LCS Sample ID: **lcs-38253-38253** Units: **µg/Kg** Analysis Date: **9/12/2016 01:47 PM**
Client ID: Run ID: **SVMS2_160912A** SeqNo: **1354722** Prep Date: **9/9/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	7320	2,000	10020	0	73.1	11.7-120	0			
1,4-Dichlorobenzene	6414	2,000	10020	0	64	6.03-104	0			
2,4-Dinitrotoluene	5792	2,000	10020	0	57.8	11.7-141	0			
2-Chlorophenol	2742	2,000	19980	0	13.7	1.26-113	0			
4-Chloro-3-methylphenol	ND	4,000	19980	0	14.9	7.56-113	0			
4-Nitrophenol	722	600	19980	0	3.61	2.9-128	0			
Acenaphthene	8176	2,000	10020	0	81.6	46-107	0			
N-Nitrosodi-n-propylamine	5378	2,000	10020	0	53.7	13.4-115	0			
Pentachlorophenol	ND	9,900	19980	0	14.3	12.5-119	0			
Phenol	ND	2,000	19980	0	5.62	.578-121	0			
Surr: 2,4,6-Tribromophenol	12710	0	*19980*	0	*63.6*	*18-115*	0			
Surr: 2-Fluorobiphenyl	8230	0	*10020*	0	*82.1*	*30-116*	0			
Surr: 2-Fluorophenol	1958	0	*19980*	0	*9.8*	*24-105*	0			S
Surr: 4-Terphenyl-d14	8174	0	*10020*	0	*81.6*	*17.4-107*	0			
Surr: Nitrobenzene-d5	6344	0	*10020*	0	*63.3*	*32-106*	0			
Surr: Phenol-d5	2174	0	*19980*	0	*10.9*	*31.3-83.5*	0			S

The following samples were analyzed in this batch: 1609134-03a 1609134-07a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132714** Instrument ID: **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R132714** Units: **µg/Kg** Analysis Date: **9/8/2016 11:33 PM**
Client ID: Run ID: **VMS2_160908B** SeqNo: **1352082** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132714** Instrument ID: **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	59.56	0	*50*	0	*119*	*62.7-159*	0
Surr: Dibromofluoromethane	50.41	0	*50*	0	*101*	*67.3-136*	0
Surr: Toluene-d8	45.87	0	*50*	0	*91.7*	*83-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132714** Instrument ID: **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-R132714** Units: **µg/Kg** Analysis Date: **9/9/2016 08:06 AM**
Client ID: Run ID: **VMS2_160908B** SeqNo: **1352092** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	61.05	5.0	50	0	122	53.6-149	0			
1,1-Dichloroethene	58.02	5.0	50	0	116	38.8-176	0			
1,2-Dichloroethane	50.6	5.0	50	0	101	54.4-145	0			
1,3-Dichlorobenzene	57.4	5.0	50	0	115	54.2-137	0			
1,4-Dichlorobenzene	53.47	5.0	50	0	107	52.8-135	0			
Benzene	55.13	5.0	50	0	110	56-148	0			
Carbon tetrachloride	55.85	5.0	50	0	112	51.9-151	0			
Chlorobenzene	55.18	5.0	50	0	110	55.4-137	0			
Chloroform	52.74	5.0	50	0	105	51.1-147	0			
cis-1,2-Dichloroethene	52.84	5.0	50	0	106	47.6-149	0			
Ethylbenzene	58.72	5.0	50	0	117	55.8-142	0			
m,p-Xylene	109.6	5.0	100	0	110	57.6-141	0			
Styrene	64.16	5.0	50	0	128	59.6-143	0			
Tetrachloroethene	67.96	5.0	50	0	136	56.2-160	0			
Toluene	49.47	5.0	50	0	98.9	56-143	0			
Trichloroethene	53.58	5.0	50	0	107	56.5-143	0			
Surr: 4-Bromofluorobenzene	87.45	0	*50*	0	*175*	*62.7-159*	0			S
Surr: Dibromofluoromethane	49.52	0	*50*	0	*99*	*67.3-136*	0			
Surr: Toluene-d8	46.09	0	*50*	0	*92.2*	*83-124*	0			

The following samples were analyzed in this batch: 1609134-03A 1609134-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132764** Instrument ID: **VMS1** Method: **SW8260B**

MBLK Sample ID: **MBLK-R132764** Units: **µg/L** Analysis Date: **9/9/2016 07:38 AM**
Client ID: Run ID: **VMS1_160909A** SeqNo: **1353153** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132764** Instrument ID: **VMS1** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	50.62	0	*50*	0	*101*	*61-131*	0
Surr: Dibromofluoromethane	49.1	0	*50*	0	*98.2*	*87-126*	0
Surr: Toluene-d8	50.4	0	*50*	0	*101*	*84-111*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132764** Instrument ID: **VMS1** Method: **SW8260B**

LCS Sample ID: **LCS-R132764** Units: **µg/L** Analysis Date: **9/9/2016 08:22 AM**
Client ID: Run ID: **VMS1_160909A** SeqNo: **1353154** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.12	5.0	50	0	94.2	48.4-140	0			
1,1-Dichloroethene	43.56	5.0	50	0	87.1	45.5-150	0			
1,2-Dichloroethane	50.36	5.0	50	0	101	46.5-141	0			
1,3-Dichlorobenzene	44.02	5.0	50	0	88	42.5-133	0			
1,4-Dichlorobenzene	42.94	5.0	50	0	85.9	38.9-136	0			
Benzene	46.03	5.0	50	0	92.1	50.7-134	0			
Carbon tetrachloride	44.95	5.0	50	0	89.9	45.5-143	0			
Chlorobenzene	46.45	5.0	50	0	92.9	45-133	0			
Chloroform	48.41	5.0	50	0	96.8	52.4-136	0			
cis-1,2-Dichloroethene	46.95	5.0	50	0	93.9	49.7-138	0			
Ethylbenzene	46.2	5.0	50	0	92.4	37.8-145	0			
m,p-Xylene	92.83	5.0	100	0	92.8	25.1-163	0			
Methyl tert-butyl ether	41.26	5.0	50	0	82.5	26.7-174	0			
Styrene	47.15	5.0	50	0	94.3	26.3-172	0			
Tetrachloroethene	48.28	5.0	50	0	96.6	37.3-139	0			
Toluene	46.25	5.0	50	0	92.5	44-135	0			
Trichloroethene	46.61	5.0	50	0	93.2	45.9-140	0			
Xylenes, Total	138.6	10	150	0	92.4	47.3-132	0			
Surr: 4-Bromofluorobenzene	48.37	0	*50*	0	*96.7*	*61-131*	0			
Surr: Dibromofluoromethane	49.47	0	*50*	0	*98.9*	*87-126*	0			
Surr: Toluene-d8	50.02	0	*50*	0	*100*	*84-111*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132764** Instrument ID: **VMS1** Method: **SW8260B**

MS Sample ID: **1609178-01A MS** Units: **µg/L** Analysis Date: **9/9/2016 08:57 AM**
Client ID: Run ID: **VMS1_160909A** SeqNo: **1353155** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.08	5.0	50	0	94.2	40.4-134	0			
1,1-Dichloroethene	43.41	5.0	50	0	86.8	45.3-151	0			
1,2-Dichloroethane	52.95	5.0	50	0	106	37-139	0			
1,3-Dichlorobenzene	40.11	5.0	50	0	80.2	42.9-121	0			
1,4-Dichlorobenzene	39.93	5.0	50	0	79.9	53.4-129	0			
Benzene	46.32	5.0	50	0	92.6	37.4-144	0			
Carbon tetrachloride	46.32	5.0	50	0	92.6	33.8-150	0			
Chlorobenzene	45.14	5.0	50	0	90.3	52.4-132	0			
Chloroform	49.09	5.0	50	0	98.2	45.5-135	0			
cis-1,2-Dichloroethene	47.53	5.0	50	0	95.1	35.2-150	0			
Ethylbenzene	43.89	5.0	50	0	87.8	46.5-146	0			
m,p-Xylene	86.11	5.0	100	0	86.1	38.2-167	0			
Styrene	43.88	5.0	50	0	87.8	20.9-184	0			
Tetrachloroethene	46.13	5.0	50	0	92.3	55.2-134	0			
Toluene	45.62	5.0	50	0	91.2	32.7-140	0			
Trichloroethene	45.78	5.0	50	0	91.6	29.1-153	0			
Xylenes, Total	129.1	10	150	0	86.1	43.6-148	0			
Surr: 4-Bromofluorobenzene	48.71	0	*50*	0	*97.4*	*61-131*	0			
Surr: Dibromofluoromethane	50.19	0	*50*	0	*100*	*87-126*	0			
Surr: Toluene-d8	50.33	0	*50*	0	*101*	*84-111*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Water Defense
Work Order: 1609134
Project: Ex. 6 - Personal Privacy

QC BATCH REPORT

Batch ID: **R132764** Instrument ID: **VMS1** Method: **SW8260B**

MSD Sample ID: **1609178-01A MSD** Units: **µg/L** Analysis Date: **9/9/2016 09:36 AM**
Client ID: Run ID: **VMS1_160909A** SeqNo: **1353156** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	42.53	5.0	50	0	85.1	40.4-134	47.08	10.2	20	
1,1-Dichloroethene	38.17	5.0	50	0	76.3	45.3-151	43.41	12.8	20	
1,2-Dichloroethane	47.46	5.0	50	0	94.9	37-139	52.95	10.9	20	
1,3-Dichlorobenzene	36.46	5.0	50	0	72.9	42.9-121	40.11	9.53	20	
1,4-Dichlorobenzene	36.72	5.0	50	0	73.4	53.4-129	39.93	8.38	20	
Benzene	41.35	5.0	50	0	82.7	37.4-144	46.32	11.3	20	
Carbon tetrachloride	41.78	5.0	50	0	83.6	33.8-150	46.32	10.3	20	
Chlorobenzene	41.12	5.0	50	0	82.2	52.4-132	45.14	9.32	20	
Chloroform	43.9	5.0	50	0	87.8	45.5-135	49.09	11.2	20	
cis-1,2-Dichloroethene	43.28	5.0	50	0	86.6	35.2-150	47.53	9.36	21	
Ethylbenzene	39.7	5.0	50	0	79.4	46.5-146	43.89	10	20	
m,p-Xylene	77.23	5.0	100	0	77.2	38.2-167	86.11	10.9	20	
Styrene	39.43	5.0	50	0	78.9	20.9-184	43.88	10.7	20	
Tetrachloroethene	41.84	5.0	50	0	83.7	55.2-134	46.13	9.75	20	
Toluene	40.62	5.0	50	0	81.2	32.7-140	45.62	11.6	20	
Trichloroethene	41.78	5.0	50	0	83.6	29.1-153	45.78	9.14	20	
Xylenes, Total	116.1	10	150	0	77.4	43.6-148	129.1	10.6	20	
Surr: 4-Bromofluorobenzene	48.86	0	*50*	0	*97.7*	*61-131*	48.71	*0.307*		
Surr: Dibromofluoromethane	50.2	0	*50*	0	*100*	*87-126*	50.19	*0.0199*		
Surr: Toluene-d8	50.13	0	*50*	0	*100*	*84-111*	50.33	*0.398*		

The following samples were analyzed in this batch: 1609134-04A 1609134-08A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 20-Sep-16

Client: Water Defense
Project: Ex. 6 - Personal Privacy
WorkOrder: 1609134

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated MethodBlank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is >4 times amount spiked
P	Dual Column results percent difference >40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory controllimits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/Kg	
µg/L	
as noted	
mg/Kg	
mg/L	

ALS Environmental

Sample Receipt Checklist

Client Name: **WATERDEFENSE-HURLEYVUL** Date/Time Received: **06-Sep-16 10:00**

Work Order: **1609134** Received by: **JNW**

Checklist completed by: Robb Nieman 08-Sep-16 (eSignature / Date) Reviewed by: Robb Nieman 08-Sep-16 (eSignature / Date)

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☐	No ☑	
Chain of custody signed when relinquished and received?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☐	No ☑	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☐	No ☑	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action: