02-Feb-2016

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

Tel: (508) 776-2995
Fax:

Re: Flint House #2 NBC Work Order: **1602001**

Dear Scott,

ALS Environmental received 7 samples on 01-Feb-2016 08:02 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 62.

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

Sincerely,

Rob Nieman

Electronically approved by: Chris Gibson

Rob Nieman
Project Manager

ALS Environmental

Date: 02-Feb-16

Client: Water Defense
Project: Flint House #2 NBC
Work Order: **1602001**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1602001-01	Sink Filtered- WaterBug 30 minute Exposure	Bulk		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-02	Sink Filtered- Glass Grab Sample	Water		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-03	Sink Filtered- Plastic Grab	Water		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-04	WaterBug BathTub 30 minute Exposure	Bulk		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-05	WaterBug Bathroom Sink 30 minute Exposure	Bulk		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-06	Glass Grab Sample- Bathtub	Water		1/30/2016 16:00	2/1/2016 08:02	☐
1602001-07	Plastic Grab Sample- Bathtub	Water		1/30/2016 16:00	2/1/2016 08:02	☐

EPA-R5-2017-008527_0000333

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001

Case Narrative

The analytical data provided relates directly to the samples received by ALS Laboratory Group 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Batch R125578, Method 8260_VOC_B, Sample 1602001-01A: Surrogate outside QA/QC limits due to matrix.

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Lab ID: 1602001-01
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **2/1/2016**	Analyst: **VAW**
Mercury	ND		0.30	mg/Kg	1	2/1/2016 01:05 PM
METALS BY ICP			**SW6010B**		Prep Date: **2/1/2016**	Analyst: **VAW**
Aluminum	ND		490	mg/Kg	1	2/1/2016 12:32 PM
Arsenic	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Barium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Beryllium	ND		0.49	mg/Kg	1	2/1/2016 12:32 PM
Cadmium	ND		0.98	mg/Kg	1	2/1/2016 12:32 PM
Calcium	ND		8,800	mg/Kg	1	2/1/2016 12:32 PM
Chromium	ND		2.0	mg/Kg	1	2/1/2016 12:32 PM
Cobalt	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Copper	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Iron	ND		98	mg/Kg	1	2/1/2016 12:32 PM
Lead	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Lithium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Magnesium	ND		640	mg/Kg	1	2/1/2016 12:32 PM
Manganese	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Molybdenum	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Nickel	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Phosphorus	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Platinum	ND		98	mg/Kg	1	2/1/2016 12:32 PM
Selenium	ND		2.9	mg/Kg	1	2/1/2016 12:32 PM
Silver	ND		0.98	mg/Kg	1	2/1/2016 12:32 PM
Sodium	ND		490	mg/Kg	1	2/1/2016 12:32 PM
Tellurium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Thallium	ND		2.9	mg/Kg	1	2/1/2016 12:32 PM
Tin	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Titanium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Tungsten	ND		98	mg/Kg	1	2/1/2016 12:32 PM
Vanadium	ND		4.9	mg/Kg	1	2/1/2016 12:32 PM
Yttrium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
Zinc	ND		100	mg/Kg	1	2/1/2016 12:32 PM
Zirconium	ND		9.8	mg/Kg	1	2/1/2016 12:32 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **2/1/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1,2,4-Trichlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1,2-Dichlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1,3-Dichlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1,3-Dinitrobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Lab ID: 1602001-01
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dichlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1-Methylnaphthalene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
1-Naphthylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,3,4,6-Tetrachlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,4,5-Trichlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,4,6-Trichlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,4-Dichlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,4-Dimethylphenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,4-Dinitrophenol	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
2,4-Dinitrotoluene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,6-Dichlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2,6-Dinitrotoluene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Acetylaminofluorene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Chloronaphthalene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Chlorophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Methylnaphthalene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Methylphenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Naphthylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Nitroaniline	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
2-Nitrophenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
2-Picoline	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
3&4-Methylphenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
3,3`-Dichlorobenzidine	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
3-Methylcholanthrene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
3-Nitroaniline	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
4,6-Dinitro-2-methylphenol	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
4-Aminobiphenyl	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
4-Bromophenyl phenyl ether	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
4-Chloro-3-methylphenol	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
4-Chloroaniline	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
4-Chlorophenyl phenyl ether	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
4-Nitroaniline	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
4-Nitrophenol	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
4-Nitroquinoline 1-oxide	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
5-Nitro-o-toluidine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
7,12-Dimethylbenz(a)anthracene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Acenaphthene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Acenaphthylene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Acetophenone	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Aniline	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Lab ID: 1602001-01
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Azobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzidine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzo(a)anthracene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzo(a)pyrene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzo(b)fluoranthene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzo(g,h,i)perylene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzo(k)fluoranthene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Benzyl alcohol	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
Bis(2-chloroethoxy)methane	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Bis(2-chloroethyl)ether	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Bis(2-chloroisopropyl)ether	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Bis(2-ethylhexyl)phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Butyl benzyl phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Carbazole	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Chrysene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Dibenzo(a,h)anthracene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Dibenzofuran	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Diethyl phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Dimethyl phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Di-n-butyl phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Di-n-octyl phthalate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Dinoseb	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Diphenylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Ethyl methanesulfonate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Fluoranthene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Fluorene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Hexachlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Hexachlorobutadiene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Hexachlorocyclopentadiene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Hexachloroethane	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Indeno(1,2,3-cd)pyrene	ND		830	µg/Kg	1	2/1/2016 04:16 PM
Isophorone	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Isosafrole	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Methapyrilene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Methyl methanesulfonate	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Naphthalene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Nitrobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosodiethylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosodimethylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-01
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitroso-di-n-butylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosodi-n-propylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosomethylethylamine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosomorpholine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosopiperidine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
N-Nitrosopyrrolidine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
o-Toluidine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
p-Dimethylaminoazobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Pentachlorobenzene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Pentachloroethane	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Pentachloronitrobenzene	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
Pentachlorophenol	ND		9,200	µg/Kg	1	2/1/2016 04:16 PM
Phenacetin	ND		3,700	µg/Kg	1	2/1/2016 04:16 PM
Phenanthrene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Phenol	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Pyrene	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Pyridine	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Safrole	ND		1,800	µg/Kg	1	2/1/2016 04:16 PM
Surr: 2,4,6-Tribromophenol	*53.8*		*10.1-79.8*	*%REC*	1	2/1/2016 04:16 PM
Surr: 2-Fluorobiphenyl	*44.3*		*2.13-90.1*	*%REC*	1	2/1/2016 04:16 PM
Surr: 2-Fluorophenol	*4.03*		*0-97.9*	*%REC*	1	2/1/2016 04:16 PM
Surr: 4-Terphenyl-d14	*58.4*		*2.32-87.7*	*%REC*	1	2/1/2016 04:16 PM
Surr: Nitrobenzene-d5	*25.2*		*0.776-85.8*	*%REC*	1	2/1/2016 04:16 PM
Surr: Phenol-d5	*4.40*		*0-126*	*%REC*	1	2/1/2016 04:16 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,1-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2-Dibromoethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,2-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-01
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,3-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
1,4-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
2,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
2-Butanone	ND		25	µg/Kg	5	2/1/2016 12:45 PM
2-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
2-Hexanone	ND		25	µg/Kg	5	2/1/2016 12:45 PM
4-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Acetone	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Benzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Bromobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Bromochloromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Bromodichloromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Bromoform	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Bromomethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Carbon disulfide	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Carbon tetrachloride	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Chlorobenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Chloroethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Chloroform	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Chloromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Dibromochloromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Dibromomethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Dichlorodifluoromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Ethylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Hexachlorobutadiene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Isopropylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
m,p-Xylene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Methyl tert-butyl ether	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Methylene chloride	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Naphthalene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
n-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
n-Propylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
o-Xylene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
p-Isopropyltoluene	ND		25	µg/Kg	5	2/1/2016 12:45 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: Sink Filtered- WaterBug 30 minute Exposure
Lab ID: 1602001-01
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
sec-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Styrene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
tert-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Tetrachloroethene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Toluene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Trichloroethene	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Trichlorofluoromethane	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Vinyl chloride	ND		25	µg/Kg	5	2/1/2016 12:45 PM
Xylenes, Total	ND		50	µg/Kg	5	2/1/2016 12:45 PM
Surr: 4-Bromofluorobenzene	*137*		*62.7-159*	*%REC*	5	2/1/2016 12:45 PM
Surr: Dibromofluoromethane	*105*		*67.3-136*	*%REC*	5	2/1/2016 12:45 PM
Surr: Toluene-d8	*81.8*	S	*83-124*	*%REC*	5	2/1/2016 12:45 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Glass Grab Sample
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **2/1/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1,2,4-Trichlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1,2-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1,3-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1,3-Dinitrobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1,4-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
1-Methylnaphthalene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
1-Naphthylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
2,3,4,6-Tetrachlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4,5-Trichlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4,6-Trichlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4-Dichlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4-Dimethylphenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4-Dinitrophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,4-Dinitrotoluene	ND		22	µg/L	1	2/1/2016 08:27 PM
2,6-Dichlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2,6-Dinitrotoluene	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Acetylaminofluorene	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Chloronaphthalene	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Chlorophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Methylnaphthalene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
2-Methylphenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Naphthylamine	ND		44	µg/L	1	2/1/2016 08:27 PM
2-Nitroaniline	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Nitrophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
2-Picoline	ND		44	µg/L	1	2/1/2016 08:27 PM
3&4-Methylphenol	ND		22	µg/L	1	2/1/2016 08:27 PM
3,3`-Dichlorobenzidine	ND		22	µg/L	1	2/1/2016 08:27 PM
3-Methylcholanthrene	ND		44	µg/L	1	2/1/2016 08:27 PM
3-Nitroaniline	ND		44	µg/L	1	2/1/2016 08:27 PM
4,6-Dinitro-2-methylphenol	ND		44	µg/L	1	2/1/2016 08:27 PM
4-Aminobiphenyl	ND		22	µg/L	1	2/1/2016 08:27 PM
4-Bromophenyl phenyl ether	ND		44	µg/L	1	2/1/2016 08:27 PM
4-Chloro-3-methylphenol	ND		44	µg/L	1	2/1/2016 08:27 PM
4-Chloroaniline	ND		22	µg/L	1	2/1/2016 08:27 PM
4-Chlorophenyl phenyl ether	ND		44	µg/L	1	2/1/2016 08:27 PM
4-Nitroaniline	ND		44	µg/L	1	2/1/2016 08:27 PM
4-Nitrophenol	ND		22	µg/L	1	2/1/2016 08:27 PM
4-Nitroquinoline 1-oxide	ND		22	µg/L	1	2/1/2016 08:27 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Glass Grab Sample
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		22	µg/L	1	2/1/2016 08:27 PM
7,12-Dimethylbenz(a)anthracene	ND		22	µg/L	1	2/1/2016 08:27 PM
Acenaphthene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Acenaphthylene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Acetophenone	ND		22	µg/L	1	2/1/2016 08:27 PM
Aniline	ND		22	µg/L	1	2/1/2016 08:27 PM
Anthracene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Azobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
Benzidine	ND		22	µg/L	1	2/1/2016 08:27 PM
Benzo(a)anthracene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Benzo(a)pyrene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Benzo(b)fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Benzo(g,h,i)perylene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Benzo(k)fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Benzyl alcohol	ND		22	µg/L	1	2/1/2016 08:27 PM
Bis(2-chloroethoxy)methane	ND		22	µg/L	1	2/1/2016 08:27 PM
Bis(2-chloroethyl)ether	ND		22	µg/L	1	2/1/2016 08:27 PM
Bis(2-chloroisopropyl)ether	ND		22	µg/L	1	2/1/2016 08:27 PM
Bis(2-ethylhexyl)phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Butyl benzyl phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Carbazole	ND		22	µg/L	1	2/1/2016 08:27 PM
Chrysene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Dibenzo(a,h)anthracene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Dibenzofuran	ND		22	µg/L	1	2/1/2016 08:27 PM
Diethyl phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Dimethyl phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Di-n-butyl phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Di-n-octyl phthalate	ND		22	µg/L	1	2/1/2016 08:27 PM
Dinoseb	ND		44	µg/L	1	2/1/2016 08:27 PM
Diphenylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
Ethyl methanesulfonate	ND		22	µg/L	1	2/1/2016 08:27 PM
Fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Fluorene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Hexachlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
Hexachlorobutadiene	ND		22	µg/L	1	2/1/2016 08:27 PM
Hexachlorocyclopentadiene	ND		22	µg/L	1	2/1/2016 08:27 PM
Hexachloroethane	ND		22	µg/L	1	2/1/2016 08:27 PM
Indeno(1,2,3-cd)pyrene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Isophorone	ND		22	µg/L	1	2/1/2016 08:27 PM
Isosafrole	ND		22	µg/L	1	2/1/2016 08:27 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Glass Grab Sample
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		22	µg/L	1	2/1/2016 08:27 PM
Methyl methanesulfonate	ND		22	µg/L	1	2/1/2016 08:27 PM
Naphthalene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Nitrobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosodiethylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosodimethylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitroso-di-n-butylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosodi-n-propylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosomethylethylamine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosomorpholine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosopiperidine	ND		22	µg/L	1	2/1/2016 08:27 PM
N-Nitrosopyrrolidine	ND		22	µg/L	1	2/1/2016 08:27 PM
o-Toluidine	ND		22	µg/L	1	2/1/2016 08:27 PM
p-Dimethylaminoazobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
Pentachlorobenzene	ND		22	µg/L	1	2/1/2016 08:27 PM
Pentachloroethane	ND		22	µg/L	1	2/1/2016 08:27 PM
Pentachloronitrobenzene	ND		44	µg/L	1	2/1/2016 08:27 PM
Pentachlorophenol	ND		44	µg/L	1	2/1/2016 08:27 PM
Phenacetin	ND		44	µg/L	1	2/1/2016 08:27 PM
Phenanthrene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Phenol	ND		22	µg/L	1	2/1/2016 08:27 PM
Pyrene	ND		0.22	µg/L	1	2/1/2016 08:27 PM
Pyridine	ND		22	µg/L	1	2/1/2016 08:27 PM
Safrole	ND		22	µg/L	1	2/1/2016 08:27 PM
Surr: 2,4,6-Tribromophenol	*63.3*		*35-120*	*%REC*	1	2/1/2016 08:27 PM
Surr: 2-Fluorobiphenyl	*49.2*		*38-105*	*%REC*	1	2/1/2016 08:27 PM
Surr: 2-Fluorophenol	*49.4*		*12-89*	*%REC*	1	2/1/2016 08:27 PM
Surr: 4-Terphenyl-d14	*78.3*		*42-125*	*%REC*	1	2/1/2016 08:27 PM
Surr: Nitrobenzene-d5	*57.2*		*28-120*	*%REC*	1	2/1/2016 08:27 PM
Surr: Phenol-d5	*43.9*		*10-62*	*%REC*	1	2/1/2016 08:27 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	2/1/2016 11:32 AM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Glass Grab Sample
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
2-Butanone	ND		5.0	µg/L	1	2/1/2016 11:32 AM
2-Chlorotoluene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
2-Hexanone	ND		5.0	µg/L	1	2/1/2016 11:32 AM
4-Chlorotoluene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Acetone	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Benzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Bromobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Bromochloromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Bromodichloromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Bromoform	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Bromomethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Carbon disulfide	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Carbon tetrachloride	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Chlorobenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Chloroethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Chloroform	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Chloromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Dibromochloromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Dibromomethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Ethylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Isopropylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
m,p-Xylene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	2/1/2016 11:32 AM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Glass Grab Sample
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Naphthalene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
n-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
n-Propylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
o-Xylene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
sec-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Styrene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
tert-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Tetrachloroethene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Toluene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Trichloroethene	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	2/1/2016 11:32 AM
Vinyl chloride	ND		2.0	µg/L	1	2/1/2016 11:32 AM
Xylenes, Total	ND		10	µg/L	1	2/1/2016 11:32 AM
Surr: 4-Bromofluorobenzene	*98.9*		*61-131*	*%REC*	1	2/1/2016 11:32 AM
Surr: Dibromofluoromethane	*108*		*87-126*	*%REC*	1	2/1/2016 11:32 AM
Surr: Toluene-d8	*99.0*		*84-111*	*%REC*	1	2/1/2016 11:32 AM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Sink Filtered- Plastic Grab
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-03
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **2/1/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	2/1/2016 02:22 PM
METALS BY ICP			**SW6010B**		Prep Date: **2/1/2016**	Analyst: **VAW**
Aluminum	ND		0.20	mg/L	1	2/1/2016 02:02 PM
Arsenic	ND		0.010	mg/L	1	2/1/2016 02:02 PM
Barium	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Beryllium	ND		0.0040	mg/L	1	2/1/2016 02:02 PM
Cadmium	ND		0.0050	mg/L	1	2/1/2016 02:02 PM
Calcium	**24**		**0.20**	**mg/L**	1	2/1/2016 02:02 PM
Chromium	ND		0.020	mg/L	1	2/1/2016 02:02 PM
Cobalt	ND		0.050	mg/L	1	2/1/2016 02:02 PM
Copper	ND		0.025	mg/L	1	2/1/2016 02:02 PM
Iron	ND		0.20	mg/L	1	2/1/2016 02:02 PM
Lead	ND		0.015	mg/L	1	2/1/2016 02:02 PM
Lithium	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Magnesium	**9.1**		**0.20**	**mg/L**	1	2/1/2016 02:02 PM
Manganese	ND		0.050	mg/L	1	2/1/2016 02:02 PM
Molybdenum	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Nickel	ND		0.040	mg/L	1	2/1/2016 02:02 PM
Phosphorus	**0.99**		**0.10**	**mg/L**	1	2/1/2016 02:02 PM
Platinum	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Selenium	ND		0.030	mg/L	1	2/1/2016 02:02 PM
Silver	ND		0.010	mg/L	1	2/1/2016 02:02 PM
Sodium	**6.1**		**0.20**	**mg/L**	1	2/1/2016 02:02 PM
Tellurium	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Thallium	ND		0.0020	mg/L	1	2/1/2016 02:02 PM
Tin	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Titanium	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Tungsten	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Vanadium	ND		0.050	mg/L	1	2/1/2016 02:02 PM
Yttrium	ND		0.10	mg/L	1	2/1/2016 02:02 PM
Zinc	**0.090**		**0.050**	**mg/L**	1	2/1/2016 02:02 PM
Zirconium	ND		0.10	mg/L	1	2/1/2016 02:02 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug BathTub 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-04
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **2/1/2016**	Analyst: **VAW**
Mercury	ND		0.29	mg/Kg	1	2/1/2016 01:07 PM
METALS BY ICP			**SW6010B**		Prep Date: **2/1/2016**	Analyst: **VAW**
Aluminum	ND		480	mg/Kg	1	2/1/2016 12:47 PM
Arsenic	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Barium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Beryllium	ND		0.48	mg/Kg	1	2/1/2016 12:47 PM
Cadmium	ND		0.95	mg/Kg	1	2/1/2016 12:47 PM
Calcium	ND		8,600	mg/Kg	1	2/1/2016 12:47 PM
Chromium	ND		1.9	mg/Kg	1	2/1/2016 12:47 PM
Cobalt	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Copper	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Iron	ND		95	mg/Kg	1	2/1/2016 12:47 PM
Lead	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Lithium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Magnesium	ND		620	mg/Kg	1	2/1/2016 12:47 PM
Manganese	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Molybdenum	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Nickel	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Phosphorus	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Platinum	ND		95	mg/Kg	1	2/1/2016 12:47 PM
Selenium	ND		2.9	mg/Kg	1	2/1/2016 12:47 PM
Silver	ND		0.95	mg/Kg	1	2/1/2016 12:47 PM
Sodium	ND		480	mg/Kg	1	2/1/2016 12:47 PM
Tellurium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Thallium	ND		2.9	mg/Kg	1	2/1/2016 12:47 PM
Tin	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Titanium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Tungsten	ND		95	mg/Kg	1	2/1/2016 12:47 PM
Vanadium	ND		4.8	mg/Kg	1	2/1/2016 12:47 PM
Yttrium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
Zinc	ND		98	mg/Kg	1	2/1/2016 12:47 PM
Zirconium	ND		9.5	mg/Kg	1	2/1/2016 12:47 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **2/1/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1,2,4-Trichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1,2-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1,3-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1,3-Dinitrobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug BathTub 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-04
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1-Methylnaphthalene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
1-Naphthylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,3,4,6-Tetrachlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,4,5-Trichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,4,6-Trichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,4-Dichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,4-Dimethylphenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,4-Dinitrophenol	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
2,4-Dinitrotoluene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,6-Dichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2,6-Dinitrotoluene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Acetylaminofluorene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Chloronaphthalene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Chlorophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Methylnaphthalene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Methylphenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Naphthylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Nitroaniline	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
2-Nitrophenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
2-Picoline	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
3&4-Methylphenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
3,3`-Dichlorobenzidine	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
3-Methylcholanthrene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
3-Nitroaniline	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
4,6-Dinitro-2-methylphenol	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
4-Aminobiphenyl	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
4-Bromophenyl phenyl ether	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
4-Chloro-3-methylphenol	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
4-Chloroaniline	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
4-Chlorophenyl phenyl ether	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
4-Nitroaniline	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
4-Nitrophenol	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
4-Nitroquinoline 1-oxide	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
5-Nitro-o-toluidine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
7,12-Dimethylbenz(a)anthracene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Acenaphthene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Acenaphthylene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Acetophenone	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Aniline	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug BathTub 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-04
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Azobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzidine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzo(a)anthracene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzo(a)pyrene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzo(b)fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzo(g,h,i)perylene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzo(k)fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Benzyl alcohol	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
Bis(2-chloroethoxy)methane	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Bis(2-chloroethyl)ether	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Bis(2-chloroisopropyl)ether	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Bis(2-ethylhexyl)phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Butyl benzyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Carbazole	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Chrysene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Dibenzo(a,h)anthracene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Dibenzofuran	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Diethyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Dimethyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Di-n-butyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Di-n-octyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Dinoseb	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Diphenylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Ethyl methanesulfonate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Fluorene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Hexachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Hexachlorobutadiene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Hexachlorocyclopentadiene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Hexachloroethane	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Indeno(1,2,3-cd)pyrene	ND		850	µg/Kg	1	2/1/2016 04:41 PM
Isophorone	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Isosafrole	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Methapyrilene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Methyl methanesulfonate	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Naphthalene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Nitrobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosodiethylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosodimethylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug BathTub 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-04
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitroso-di-n-butylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosodi-n-propylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosomethylethylamine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosomorpholine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosopiperidine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
N-Nitrosopyrrolidine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
o-Toluidine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
p-Dimethylaminoazobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Pentachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Pentachloroethane	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Pentachloronitrobenzene	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
Pentachlorophenol	ND		9,400	µg/Kg	1	2/1/2016 04:41 PM
Phenacetin	ND		3,700	µg/Kg	1	2/1/2016 04:41 PM
Phenanthrene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Phenol	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Pyrene	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Pyridine	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Safrole	ND		1,900	µg/Kg	1	2/1/2016 04:41 PM
Surr: 2,4,6-Tribromophenol	*58.9*		*10.1-79.8*	*%REC*	1	2/1/2016 04:41 PM
Surr: 2-Fluorobiphenyl	*55.9*		*2.13-90.1*	*%REC*	1	2/1/2016 04:41 PM
Surr: 2-Fluorophenol	*9.93*		*0-97.9*	*%REC*	1	2/1/2016 04:41 PM
Surr: 4-Terphenyl-d14	*58.5*		*2.32-87.7*	*%REC*	1	2/1/2016 04:41 PM
Surr: Nitrobenzene-d5	*45.9*		*0.776-85.8*	*%REC*	1	2/1/2016 04:41 PM
Surr: Phenol-d5	*6.93*		*0-126*	*%REC*	1	2/1/2016 04:41 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,1-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2-Dibromoethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,2-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug BathTub 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-04
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,3-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
1,4-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
2,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
2-Butanone	ND		25	µg/Kg	5	2/1/2016 01:16 PM
2-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
2-Hexanone	ND		25	µg/Kg	5	2/1/2016 01:16 PM
4-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Acetone	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Benzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Bromobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Bromochloromethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Bromodichloromethane	**26**		**25**	**µg/Kg**	5	2/1/2016 01:16 PM
Bromoform	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Bromomethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Carbon disulfide	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Carbon tetrachloride	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Chlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Chloroethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Chloroform	**69**		**25**	**µg/Kg**	5	2/1/2016 01:16 PM
Chloromethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Dibromochloromethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Dibromomethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Dichlorodifluoromethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Ethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Hexachlorobutadiene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Isopropylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
m,p-Xylene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Methyl tert-butyl ether	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Methylene chloride	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Naphthalene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
n-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
n-Propylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
o-Xylene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
p-Isopropyltoluene	ND		25	µg/Kg	5	2/1/2016 01:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug BathTub 30 minute Exposure
Lab ID: 1602001-04
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
sec-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Styrene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
tert-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Tetrachloroethene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Toluene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Trichloroethene	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Trichlorofluoromethane	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Vinyl chloride	ND		25	µg/Kg	5	2/1/2016 01:16 PM
Xylenes, Total	ND		50	µg/Kg	5	2/1/2016 01:16 PM
Surr: 4-Bromofluorobenzene	*132*		*62.7-159*	*%REC*	5	2/1/2016 01:16 PM
Surr: Dibromofluoromethane	*111*		*67.3-136*	*%REC*	5	2/1/2016 01:16 PM
Surr: Toluene-d8	*85.0*		*83-124*	*%REC*	5	2/1/2016 01:16 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Lab ID: 1602001-05
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **2/1/2016**	Analyst: **VAW**
Mercury	ND		0.29	mg/Kg	1	2/1/2016 01:10 PM
METALS BY ICP			**SW6010B**		Prep Date: **2/1/2016**	Analyst: **VAW**
Aluminum	ND		480	mg/Kg	1	2/1/2016 12:50 PM
Arsenic	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Barium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Beryllium	ND		0.48	mg/Kg	1	2/1/2016 12:50 PM
Cadmium	ND		0.95	mg/Kg	1	2/1/2016 12:50 PM
Calcium	ND		8,600	mg/Kg	1	2/1/2016 12:50 PM
Chromium	ND		1.9	mg/Kg	1	2/1/2016 12:50 PM
Cobalt	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Copper	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Iron	ND		95	mg/Kg	1	2/1/2016 12:50 PM
Lead	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Lithium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Magnesium	ND		620	mg/Kg	1	2/1/2016 12:50 PM
Manganese	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Molybdenum	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Nickel	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Phosphorus	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Platinum	ND		95	mg/Kg	1	2/1/2016 12:50 PM
Selenium	ND		2.9	mg/Kg	1	2/1/2016 12:50 PM
Silver	ND		0.95	mg/Kg	1	2/1/2016 12:50 PM
Sodium	ND		480	mg/Kg	1	2/1/2016 12:50 PM
Tellurium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Thallium	ND		2.9	mg/Kg	1	2/1/2016 12:50 PM
Tin	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Titanium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Tungsten	ND		95	mg/Kg	1	2/1/2016 12:50 PM
Vanadium	ND		4.8	mg/Kg	1	2/1/2016 12:50 PM
Yttrium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
Zinc	ND		98	mg/Kg	1	2/1/2016 12:50 PM
Zirconium	ND		9.5	mg/Kg	1	2/1/2016 12:50 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **2/1/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1,2,4-Trichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1,2-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1,3-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1,3-Dinitrobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Lab ID: 1602001-05
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dichlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1-Methylnaphthalene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
1-Naphthylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,3,4,6-Tetrachlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,4,5-Trichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,4,6-Trichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,4-Dichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,4-Dimethylphenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,4-Dinitrophenol	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
2,4-Dinitrotoluene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,6-Dichlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2,6-Dinitrotoluene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Acetylaminofluorene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Chloronaphthalene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Chlorophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Methylnaphthalene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Methylphenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Naphthylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Nitroaniline	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
2-Nitrophenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
2-Picoline	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
3&4-Methylphenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
3,3`-Dichlorobenzidine	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
3-Methylcholanthrene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
3-Nitroaniline	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
4,6-Dinitro-2-methylphenol	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
4-Aminobiphenyl	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
4-Bromophenyl phenyl ether	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
4-Chloro-3-methylphenol	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
4-Chloroaniline	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
4-Chlorophenyl phenyl ether	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
4-Nitroaniline	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
4-Nitrophenol	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
4-Nitroquinoline 1-oxide	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
5-Nitro-o-toluidine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
7,12-Dimethylbenz(a)anthracene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Acenaphthene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Acenaphthylene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Acetophenone	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Aniline	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Lab ID: 1602001-05
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Azobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzidine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzo(a)anthracene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzo(a)pyrene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzo(b)fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzo(g,h,i)perylene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzo(k)fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Benzyl alcohol	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
Bis(2-chloroethoxy)methane	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Bis(2-chloroethyl)ether	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Bis(2-chloroisopropyl)ether	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Bis(2-ethylhexyl)phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Butyl benzyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Carbazole	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Chrysene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Dibenzo(a,h)anthracene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Dibenzofuran	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Diethyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Dimethyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Di-n-butyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Di-n-octyl phthalate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Dinoseb	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Diphenylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Ethyl methanesulfonate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Fluoranthene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Fluorene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Hexachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Hexachlorobutadiene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Hexachlorocyclopentadiene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Hexachloroethane	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Indeno(1,2,3-cd)pyrene	ND		850	µg/Kg	1	2/1/2016 05:06 PM
Isophorone	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Isosafrole	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Methapyrilene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Methyl methanesulfonate	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Naphthalene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Nitrobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosodiethylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosodimethylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Lab ID: 1602001-05
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitroso-di-n-butylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosodi-n-propylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosomethylethylamine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosomorpholine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosopiperidine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
N-Nitrosopyrrolidine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
o-Toluidine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
p-Dimethylaminoazobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Pentachlorobenzene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Pentachloroethane	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Pentachloronitrobenzene	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
Pentachlorophenol	ND		9,300	µg/Kg	1	2/1/2016 05:06 PM
Phenacetin	ND		3,700	µg/Kg	1	2/1/2016 05:06 PM
Phenanthrene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Phenol	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Pyrene	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Pyridine	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Safrole	ND		1,900	µg/Kg	1	2/1/2016 05:06 PM
Surr: 2,4,6-Tribromophenol	*62.2*		*10.1-79.8*	*%REC*	1	2/1/2016 05:06 PM
Surr: 2-Fluorobiphenyl	*57.8*		*2.13-90.1*	*%REC*	1	2/1/2016 05:06 PM
Surr: 2-Fluorophenol	*13.5*		*0-97.9*	*%REC*	1	2/1/2016 05:06 PM
Surr: 4-Terphenyl-d14	*54.5*		*2.32-87.7*	*%REC*	1	2/1/2016 05:06 PM
Surr: Nitrobenzene-d5	*51.1*		*0.776-85.8*	*%REC*	1	2/1/2016 05:06 PM
Surr: Phenol-d5	*9.97*		*0-126*	*%REC*	1	2/1/2016 05:06 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,1-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2-Dibromoethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,2-Dichloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-05
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,3-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
1,4-Dichlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
2,2-Dichloropropane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
2-Butanone	ND		25	µg/Kg	5	2/1/2016 01:47 PM
2-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
2-Hexanone	ND		25	µg/Kg	5	2/1/2016 01:47 PM
4-Chlorotoluene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Acetone	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Benzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Bromobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Bromochloromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Bromodichloromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Bromoform	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Bromomethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Carbon disulfide	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Carbon tetrachloride	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Chlorobenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Chloroethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Chloroform	**32**		**25**	**µg/Kg**	5	2/1/2016 01:47 PM
Chloromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Dibromochloromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Dibromomethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Dichlorodifluoromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Ethylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Hexachlorobutadiene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Isopropylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
m,p-Xylene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Methyl tert-butyl ether	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Methylene chloride	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Naphthalene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
n-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
n-Propylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
o-Xylene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
p-Isopropyltoluene	ND		25	µg/Kg	5	2/1/2016 01:47 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Work Order: 1602001
Sample ID: WaterBug Bathroom Sink 30 minute Exposure
Lab ID: 1602001-05
Collection Date: 1/30/2016 04:00 PM
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
sec-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Styrene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
tert-Butylbenzene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Tetrachloroethene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Toluene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Trichloroethene	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Trichlorofluoromethane	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Vinyl chloride	ND		25	µg/Kg	5	2/1/2016 01:47 PM
Xylenes, Total	ND		50	µg/Kg	5	2/1/2016 01:47 PM
Surr: 4-Bromofluorobenzene	*104*		*62.7-159*	*%REC*	5	2/1/2016 01:47 PM
Surr: Dibromofluoromethane	*103*		*67.3-136*	*%REC*	5	2/1/2016 01:47 PM
Surr: Toluene-d8	*92.3*		*83-124*	*%REC*	5	2/1/2016 01:47 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Glass Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep Date: **2/1/2016**	Analyst: **JCL**
1,2,4,5-Tetrachlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1,2,4-Trichlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1,2-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1,3-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1,3-Dinitrobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1,4-Dichlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
1-Methylnaphthalene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
1-Naphthylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
2,3,4,6-Tetrachlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4,5-Trichlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4,6-Trichlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4-Dichlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4-Dimethylphenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4-Dinitrophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,4-Dinitrotoluene	ND		22	µg/L	1	2/1/2016 08:52 PM
2,6-Dichlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2,6-Dinitrotoluene	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Acetylaminofluorene	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Chloronaphthalene	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Chlorophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Methylnaphthalene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
2-Methylphenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Naphthylamine	ND		44	µg/L	1	2/1/2016 08:52 PM
2-Nitroaniline	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Nitrophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
2-Picoline	ND		44	µg/L	1	2/1/2016 08:52 PM
3&4-Methylphenol	ND		22	µg/L	1	2/1/2016 08:52 PM
3,3`-Dichlorobenzidine	ND		22	µg/L	1	2/1/2016 08:52 PM
3-Methylcholanthrene	ND		44	µg/L	1	2/1/2016 08:52 PM
3-Nitroaniline	ND		44	µg/L	1	2/1/2016 08:52 PM
4,6-Dinitro-2-methylphenol	ND		44	µg/L	1	2/1/2016 08:52 PM
4-Aminobiphenyl	ND		22	µg/L	1	2/1/2016 08:52 PM
4-Bromophenyl phenyl ether	ND		44	µg/L	1	2/1/2016 08:52 PM
4-Chloro-3-methylphenol	ND		44	µg/L	1	2/1/2016 08:52 PM
4-Chloroaniline	ND		22	µg/L	1	2/1/2016 08:52 PM
4-Chlorophenyl phenyl ether	ND		44	µg/L	1	2/1/2016 08:52 PM
4-Nitroaniline	ND		44	µg/L	1	2/1/2016 08:52 PM
4-Nitrophenol	ND		22	µg/L	1	2/1/2016 08:52 PM
4-Nitroquinoline 1-oxide	ND		22	µg/L	1	2/1/2016 08:52 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Glass Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		22	µg/L	1	2/1/2016 08:52 PM
7,12-Dimethylbenz(a)anthracene	ND		22	µg/L	1	2/1/2016 08:52 PM
Acenaphthene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Acenaphthylene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Acetophenone	ND		22	µg/L	1	2/1/2016 08:52 PM
Aniline	ND		22	µg/L	1	2/1/2016 08:52 PM
Anthracene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Azobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
Benzidine	ND		22	µg/L	1	2/1/2016 08:52 PM
Benzo(a)anthracene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Benzo(a)pyrene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Benzo(b)fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Benzo(g,h,i)perylene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Benzo(k)fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Benzyl alcohol	ND		22	µg/L	1	2/1/2016 08:52 PM
Bis(2-chloroethoxy)methane	ND		22	µg/L	1	2/1/2016 08:52 PM
Bis(2-chloroethyl)ether	ND		22	µg/L	1	2/1/2016 08:52 PM
Bis(2-chloroisopropyl)ether	ND		22	µg/L	1	2/1/2016 08:52 PM
Bis(2-ethylhexyl)phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Butyl benzyl phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Carbazole	ND		22	µg/L	1	2/1/2016 08:52 PM
Chrysene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Dibenzo(a,h)anthracene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Dibenzofuran	ND		22	µg/L	1	2/1/2016 08:52 PM
Diethyl phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Dimethyl phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Di-n-butyl phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Di-n-octyl phthalate	ND		22	µg/L	1	2/1/2016 08:52 PM
Dinoseb	ND		44	µg/L	1	2/1/2016 08:52 PM
Diphenylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
Ethyl methanesulfonate	ND		22	µg/L	1	2/1/2016 08:52 PM
Fluoranthene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Fluorene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Hexachlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
Hexachlorobutadiene	ND		22	µg/L	1	2/1/2016 08:52 PM
Hexachlorocyclopentadiene	ND		22	µg/L	1	2/1/2016 08:52 PM
Hexachloroethane	ND		22	µg/L	1	2/1/2016 08:52 PM
Indeno(1,2,3-cd)pyrene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Isophorone	ND		22	µg/L	1	2/1/2016 08:52 PM
Isosafrole	ND		22	µg/L	1	2/1/2016 08:52 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Glass Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		22	µg/L	1	2/1/2016 08:52 PM
Methyl methanesulfonate	ND		22	µg/L	1	2/1/2016 08:52 PM
Naphthalene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Nitrobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosodiethylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosodimethylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitroso-di-n-butylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosodi-n-propylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosomethylethylamine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosomorpholine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosopiperidine	ND		22	µg/L	1	2/1/2016 08:52 PM
N-Nitrosopyrrolidine	ND		22	µg/L	1	2/1/2016 08:52 PM
o-Toluidine	ND		22	µg/L	1	2/1/2016 08:52 PM
p-Dimethylaminoazobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
Pentachlorobenzene	ND		22	µg/L	1	2/1/2016 08:52 PM
Pentachloroethane	ND		22	µg/L	1	2/1/2016 08:52 PM
Pentachloronitrobenzene	ND		44	µg/L	1	2/1/2016 08:52 PM
Pentachlorophenol	ND		44	µg/L	1	2/1/2016 08:52 PM
Phenacetin	ND		44	µg/L	1	2/1/2016 08:52 PM
Phenanthrene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Phenol	ND		22	µg/L	1	2/1/2016 08:52 PM
Pyrene	ND		0.22	µg/L	1	2/1/2016 08:52 PM
Pyridine	ND		22	µg/L	1	2/1/2016 08:52 PM
Safrole	ND		22	µg/L	1	2/1/2016 08:52 PM
Surr: 2,4,6-Tribromophenol	*74.1*		*35-120*	*%REC*	1	2/1/2016 08:52 PM
Surr: 2-Fluorobiphenyl	*60.9*		*38-105*	*%REC*	1	2/1/2016 08:52 PM
Surr: 2-Fluorophenol	*61.2*		*12-89*	*%REC*	1	2/1/2016 08:52 PM
Surr: 4-Terphenyl-d14	*82.5*		*42-125*	*%REC*	1	2/1/2016 08:52 PM
Surr: Nitrobenzene-d5	*68.4*		*28-120*	*%REC*	1	2/1/2016 08:52 PM
Surr: Phenol-d5	*56.4*		*10-62*	*%REC*	1	2/1/2016 08:52 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	2/1/2016 12:04 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Glass Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
2-Butanone	ND		5.0	µg/L	1	2/1/2016 12:04 PM
2-Chlorotoluene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
2-Hexanone	ND		5.0	µg/L	1	2/1/2016 12:04 PM
4-Chlorotoluene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Acetone	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Benzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Bromobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Bromochloromethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Bromodichloromethane	**6.6**		**5.0**	**µg/L**	1	2/1/2016 12:04 PM
Bromoform	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Bromomethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Carbon disulfide	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Carbon tetrachloride	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Chlorobenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Chloroethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Chloroform	**19**		**5.0**	**µg/L**	1	2/1/2016 12:04 PM
Chloromethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Dibromochloromethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Dibromomethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Ethylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Isopropylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
m,p-Xylene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	2/1/2016 12:04 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Glass Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Naphthalene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
n-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
n-Propylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
o-Xylene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
sec-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Styrene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
tert-Butylbenzene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Tetrachloroethene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Toluene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Trichloroethene	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	2/1/2016 12:04 PM
Vinyl chloride	ND		2.0	µg/L	1	2/1/2016 12:04 PM
Xylenes, Total	ND		10	µg/L	1	2/1/2016 12:04 PM
Surr: 4-Bromofluorobenzene	*99.4*		*61-131*	*%REC*	1	2/1/2016 12:04 PM
Surr: Dibromofluoromethane	*110*		*87-126*	*%REC*	1	2/1/2016 12:04 PM
Surr: Toluene-d8	*98.4*		*84-111*	*%REC*	1	2/1/2016 12:04 PM

Note:

ALS Environmental

Date: *02-Feb-16*

Client: Water Defense
Project: Flint House #2 NBC
Sample ID: Plastic Grab Sample- Bathtub
Collection Date: 1/30/2016 04:00 PM

Work Order: 1602001
Lab ID: 1602001-07
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **2/1/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	2/1/2016 02:24 PM
METALS BY ICP			**SW6010B**		Prep Date: **2/1/2016**	Analyst: **VAW**
Aluminum	**0.21**		**0.20**	**mg/L**	1	2/1/2016 02:10 PM
Arsenic	ND		0.010	mg/L	1	2/1/2016 02:10 PM
Barium	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Beryllium	ND		0.0040	mg/L	1	2/1/2016 02:10 PM
Cadmium	ND		0.0050	mg/L	1	2/1/2016 02:10 PM
Calcium	**27**		**0.20**	**mg/L**	1	2/1/2016 02:10 PM
Chromium	ND		0.020	mg/L	1	2/1/2016 02:10 PM
Cobalt	ND		0.050	mg/L	1	2/1/2016 02:10 PM
Copper	**0.078**		**0.025**	**mg/L**	1	2/1/2016 02:10 PM
Iron	ND		0.20	mg/L	1	2/1/2016 02:10 PM
Lead	**0.016**		**0.015**	**mg/L**	1	2/1/2016 02:10 PM
Lithium	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Magnesium	**8.2**		**0.20**	**mg/L**	1	2/1/2016 02:10 PM
Manganese	ND		0.050	mg/L	1	2/1/2016 02:10 PM
Molybdenum	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Nickel	ND		0.040	mg/L	1	2/1/2016 02:10 PM
Phosphorus	**1.1**		**0.10**	**mg/L**	1	2/1/2016 02:10 PM
Platinum	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Selenium	ND		0.030	mg/L	1	2/1/2016 02:10 PM
Silver	ND		0.010	mg/L	1	2/1/2016 02:10 PM
Sodium	**4.9**		**0.20**	**mg/L**	1	2/1/2016 02:10 PM
Tellurium	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Thallium	ND		0.0020	mg/L	1	2/1/2016 02:10 PM
Tin	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Titanium	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Tungsten	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Vanadium	ND		0.050	mg/L	1	2/1/2016 02:10 PM
Yttrium	ND		0.10	mg/L	1	2/1/2016 02:10 PM
Zinc	ND		0.050	mg/L	1	2/1/2016 02:10 PM
Zirconium	ND		0.10	mg/L	1	2/1/2016 02:10 PM

Note:

ALS Environmental

Date: 02-Feb-16

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33539** Instrument ID **HG1** Method: **SW7471A**

MBLK Sample ID: **MBLK-33539-33539** Units: **mg/Kg** Analysis Date: **2/1/2016 12:59 PM**
Client ID: Run ID: **HG1_160201A** SeqNo: **1214929** Prep Date: **2/1/2016** 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-33539-33539** Units: **mg/Kg** Analysis Date: **2/1/2016 01:01 PM**
Client ID: Run ID: **HG1_160201A** SeqNo: **1214930** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8154	0.30	0.8287	0	98.4	69-147	0			

LCSD Sample ID: **LCSD-33539-33539** Units: **mg/Kg** Analysis Date: **2/1/2016 01:03 PM**
Client ID: Run ID: **HG1_160201A** SeqNo: **1214931** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8274	0.30	0.8324	0	99.4	69-147	0.8154	1.46	20	

MS Sample ID: **1602003-01A MS** Units: **mg/Kg** Analysis Date: **2/1/2016 01:28 PM**
Client ID: Run ID: **HG1_160201A** SeqNo: **1214941** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.791	0.29	0.8171	-0.006582	97.6	69-147	0			

MSD Sample ID: **1602003-01A MSD** Units: **mg/Kg** Analysis Date: **2/1/2016 01:30 PM**
Client ID: Run ID: **HG1_160201A** SeqNo: **1214942** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8477	0.29	0.8136	-0.006582	105	69-147	0.791	6.92	20	

The following samples were analyzed in this batch: 1602001-01A 1602001-04A 1602001-05A

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33544** Instrument ID **HG1** Method: **SW7470A**

MBLK Sample ID: **MBLK-33544-33544** Units: **µg/L** Analysis Date: **2/1/2016 02:16 PM**
Client ID: Run ID: **HG1_160201B** SeqNo: **1215013** Prep Date: **2/1/2016** 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-33544-33544** Units: **µg/L** Analysis Date: **2/1/2016 02:18 PM**
Client ID: Run ID: **HG1_160201B** SeqNo: **1215014** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.35	0.50	5	0	107	80-120	0			

LCSD Sample ID: **LCSD-33544-33544** Units: **µg/L** Analysis Date: **2/1/2016 02:20 PM**
Client ID: Run ID: **HG1_160201B** SeqNo: **1215015** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.77	0.50	5	0	115	80-120	5.35	7.55	20	

MS Sample ID: **1602003-03A MS** Units: **µg/L** Analysis Date: **2/1/2016 02:32 PM**
Client ID: Run ID: **HG1_160201B** SeqNo: **1215019** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.24	0.50	5	-0.01	105	75-125	0			

MSD Sample ID: **1602003-03A MSD** Units: **µg/L** Analysis Date: **2/1/2016 02:35 PM**
Client ID: Run ID: **HG1_160201B** SeqNo: **1215020** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.27	0.50	5	-0.01	106	75-125	5.24	0.571	20	

The following samples were analyzed in this batch: 1602001-03A 1602001-07A

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33538** Instrument ID **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-33538-33538** Units: **mg/Kg** Analysis Date: **2/1/2016 12:24 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214953** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	480								
Arsenic	ND	4.8								
Barium	ND	9.7								
Beryllium	ND	0.48								
Cadmium	ND	0.97								
Calcium	ND	8,700								
Chromium	ND	1.9								
Cobalt	ND	4.8								
Copper	ND	4.8								
Iron	ND	97								
Lead	ND	4.8								
Lithium	ND	9.7								
Magnesium	ND	630								
Manganese	ND	4.8								
Molybdenum	ND	9.7								
Nickel	ND	4.8								
Phosphorus	ND	9.7								
Platinum	ND	97								
Selenium	ND	2.9								
Silver	ND	0.97								
Sodium	ND	480								
Tellurium	ND	9.7								
Thallium	ND	2.9								
Tin	ND	9.7								
Titanium	ND	9.7								
Tungsten	ND	97								
Vanadium	ND	4.8								
Yttrium	ND	9.7								
Zinc	ND	100								
Zirconium	ND	9.7								

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33538** Instrument ID **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-33538-33538** Units: **mg/Kg** Analysis Date: **2/1/2016 12:27 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214954** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	480	193.8	0	126	80-120	0			S
Arsenic	198.8	4.8	193.8	0	103	80-120	0			
Barium	197.3	9.7	193.8	0	102	80-120	0			
Beryllium	190.7	0.48	193.8	0	98.4	80-120	0			
Cadmium	203.3	0.97	193.8	0	105	80-120	0			
Calcium	ND	8,700	193.8	0	3500	80-120	0			S
Chromium	195.9	1.9	193.8	0	101	80-120	0			
Cobalt	186.1	4.8	193.8	0	96	80-120	0			
Copper	187.5	4.8	193.8	0	96.7	80-120	0			
Iron	219.8	97	193.8	0	113	80-120	0			
Lead	202.3	4.8	193.8	0	104	80-120	0			
Magnesium	684.1	630	193.8	0	353	80-120	0			S
Manganese	184	4.8	193.8	0	95	80-120	0			
Molybdenum	183.5	9.7	193.8	0	94.7	80-120	0			
Nickel	186.6	4.8	193.8	0	96.3	80-120	0			
Selenium	189.3	2.9	193.8	0	97.7	80-120	0			
Silver	183.2	0.97	193.8	0	94.5	80-120	0			
Sodium	ND	480	193.8	0	96.3	80-120	0			
Thallium	184.4	2.9	193.8	0	95.1	80-120	0			
Titanium	189.7	9.7	193.8	0	97.9	80-120	0			
Vanadium	186	4.8	193.8	0	96	80-120	0			
Zinc	266.5	100	193.8	0	138	80-120	0			S

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33538** Instrument ID **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-33538-33538** Units: **mg/Kg** Analysis Date: **2/1/2016 12:30 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214955** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	480	192.2	0	137	80-120	243.4	0	20	S
Arsenic	196.8	4.8	192.2	0	102	80-120	198.8	1.01	20	
Barium	193	9.6	192.2	0	100	80-120	197.3	2.2	20	
Beryllium	189.3	0.48	192.2	0	98.5	80-120	190.7	0.729	20	
Cadmium	199.9	0.96	192.2	0	104	80-120	203.3	1.67	20	
Calcium	9385	8,700	192.2	0	4880	80-120	6781	32.2	20	SR
Chromium	193	1.9	192.2	0	100	80-120	195.9	1.51	20	
Cobalt	183	4.8	192.2	0	95.2	80-120	186.1	1.71	20	
Copper	183	4.8	192.2	0	95.2	80-120	187.5	2.39	20	
Iron	242.2	96	192.2	0	126	80-120	219.8	9.72	20	S
Lead	198.4	4.8	192.2	0	103	80-120	202.3	1.97	20	
Magnesium	881.6	620	192.2	0	459	80-120	684.1	25.2	20	SR
Manganese	184.3	4.8	192.2	0	95.9	80-120	184	0.174	20	
Molybdenum	179.7	9.6	192.2	0	93.5	80-120	183.5	2.11	20	
Nickel	182.8	4.8	192.2	0	95.1	80-120	186.6	2.05	20	
Selenium	184.6	2.9	192.2	0	96	80-120	189.3	2.51	20	
Silver	179	0.96	192.2	0	93.1	80-120	183.2	2.33	20	
Sodium	ND	480	192.2	0	106	80-120	186.6	0	20	
Thallium	178.6	2.9	192.2	0	92.9	80-120	184.4	3.19	20	
Titanium	189.6	9.6	192.2	0	98.6	80-120	189.7	0.0168	20	
Vanadium	183.4	4.8	192.2	0	95.4	80-120	186	1.41	20	
Zinc	288.7	99	192.2	0	150	80-120	266.5	8.02	20	S

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33538** Instrument ID **ICP3** Method: **SW6010B**

MS Sample ID: **1602001-01a ms** Units: **mg/Kg** Analysis Date: **2/1/2016 12:36 PM**
Client ID: **Sink Filtered- WaterBug 30 minute Exposure** Run ID: **ICP3_160201C** SeqNo: **1214957** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	480	193.2	3.503	114	75-125	0			
Arsenic	200.7	4.8	193.2	0.00294	104	75-125	0			
Barium	196.9	9.7	193.2	0.005292	102	75-125	0			
Beryllium	192.3	0.48	193.2	-0.06703	99.6	75-125	0			
Cadmium	201.9	0.97	193.2	-0.0933	105	75-125	0			
Calcium	ND	8,700	193.2	2636	914	75-125	0			SO
Chromium	198	1.9	193.2	-0.1282	103	75-125	0			
Cobalt	187.7	4.8	193.2	-0.04743	97.2	75-125	0			
Copper	187.5	4.8	193.2	0.6201	96.7	75-125	0			
Iron	302.9	97	193.2	21.4	146	75-125	0			S
Lead	203.1	4.8	193.2	0.302	105	75-125	0			
Lithium	ND	9.7	193.2	-0.01744	0.0090	75-125	0			S
Magnesium	ND	630	193.2	187.4	163	75-125	0			S
Manganese	188.2	4.8	193.2	0.5098	97.2	75-125	0			
Molybdenum	186	9.7	193.2	0.2029	96.2	75-125	0			
Nickel	187.6	4.8	193.2	0.04273	97.1	75-125	0			
Selenium	194.9	2.9	193.2	0.5613	101	75-125	0			
Silver	185.3	0.97	193.2	-0.07644	95.9	75-125	0			
Sodium	ND	480	193.2	-2.399	101	75-125	0			
Thallium	187.1	2.9	193.2	0.05214	96.8	75-125	0			
Titanium	192.5	9.7	193.2	-0.4547	99.9	75-125	0			
Vanadium	190.3	4.8	193.2	0.5564	98.2	75-125	0			
Zinc	243.8	99	193.2	32.5	109	75-125	0			

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33538** Instrument ID **ICP3** Method: **SW6010B**

MSD Sample ID: **1602001-01a msd** Units: **mg/Kg** Analysis Date: **2/1/2016 12:38 PM**
Client ID: **Sink Filtered- WaterBug 30 minute Exposure** Run ID: **ICP3_160201C** SeqNo: **1214958** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490	197.7	3.503	109	75-125	223.9	0	20	
Arsenic	207.4	4.9	197.7	0.00294	105	75-125	200.7	3.26	20	
Barium	202.1	9.9	197.7	0.005292	102	75-125	196.9	2.6	20	
Beryllium	195.9	0.49	197.7	-0.06703	99.1	75-125	192.3	1.84	20	
Cadmium	207.4	0.99	197.7	-0.0933	105	75-125	201.9	2.69	20	
Calcium	ND	8,900	197.7	2636	397	75-125	4403	0	20	SO
Chromium	202.5	2.0	197.7	-0.1282	102	75-125	198	2.21	20	
Cobalt	193	4.9	197.7	-0.04743	97.6	75-125	187.7	2.78	20	
Copper	191.2	4.9	197.7	0.6201	96.4	75-125	187.5	1.98	20	
Iron	235.9	99	197.7	21.4	108	75-125	302.9	24.9	20	R
Lead	208.6	4.9	197.7	0.302	105	75-125	203.1	2.69	20	
Magnesium	ND	640	197.7	187.4	121	75-125	501.9	0	20	
Manganese	191.9	4.9	197.7	0.5098	96.8	75-125	188.2	1.94	20	
Molybdenum	192.1	9.9	197.7	0.2029	97.1	75-125	186	3.22	20	
Nickel	193	4.9	197.7	0.04273	97.6	75-125	187.6	2.8	20	
Selenium	201.5	3.0	197.7	0.5613	102	75-125	194.9	3.29	20	
Silver	190.7	0.99	197.7	-0.07644	96.5	75-125	185.3	2.88	20	
Sodium	ND	490	197.7	-2.399	101	75-125	193.1	0	20	
Thallium	192.5	3.0	197.7	0.05214	97.3	75-125	187.1	2.84	20	
Titanium	195.7	9.9	197.7	-0.4547	99.2	75-125	192.5	1.61	20	
Vanadium	193.5	4.9	197.7	0.5564	97.6	75-125	190.3	1.66	20	
Zinc	235.1	150	197.7	32.5	102	75-125	243.8	3.65	20	

The following samples were analyzed in this batch: 1602001-01a 1602001-04a 1602001-05a

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33542** Instrument ID **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-33542-33542** Units: **mg/L** Analysis Date: **2/1/2016 01:47 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214981** Prep Date: **2/1/2016** 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: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33542** Instrument ID **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-33542-33542** Units: **mg/L** Analysis Date: **2/1/2016 01:50 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214982** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.9957	0.20	1.1	0	90.5	87.9-120		0		
Arsenic	1.144	0.010	1.1	0	104	80-120		0		
Barium	1.141	0.10	1.1	0	104	80-120		0		
Beryllium	1.083	0.00040	1.1	0	98.5	80-120		0		
Cadmium	1.152	0.0050	1.1	0	105	80-120		0		
Calcium	0.9776	0.20	1.1	0	88.9	80.3-122		0		
Chromium	1.138	0.020	1.1	0	104	80-120		0		
Cobalt	1.088	0.025	1.1	0	98.9	80-120		0		
Copper	1.069	0.025	1.1	0	97.2	80-120		0		
Lead	1.168	0.015	1.1	0	106	80-120		0		
Magnesium	1.011	0.20	1.1	0	91.9	80-120		0		
Manganese	1.066	0.050	1.1	0	96.9	80-120		0		
Molybdenum	1.077	0.10	1.1	0	97.9	80-120		0		
Nickel	1.084	0.050	1.1	0	98.5	80-120		0		
Selenium	1.118	0.030	1.1	0	102	80-120		0		
Silver	1.079	0.010	1.1	0	98.1	80-120		0		
Sodium	1.071	0.20	1.1	0	97.4	80-120		0		
Thallium	1.085	0.0020	1.1	0	98.6	80-120		0		
Titanium	1.086	0.10	1.1	0	98.7	80-120		0		
Vanadium	1.075	0.050	1.1	0	97.8	80-120		0		
Zinc	1.093	0.050	1.1	0	99.4	80-120		0		

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33542** Instrument ID **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-33542-33542** Units: **mg/L** Analysis Date: **2/1/2016 01:53 PM**
Client ID: Run ID: **ICP3_160201C** SeqNo: **1214983** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.9757	0.20	1.1	0	88.7	87.9-120	0.9957	2.03	20	
Arsenic	1.131	0.010	1.1	0	103	80-120	1.144	1.16	20	
Barium	1.136	0.10	1.1	0	103	80-120	1.141	0.386	20	
Beryllium	1.067	0.00040	1.1	0	97	80-120	1.083	1.46	20	
Cadmium	1.146	0.0050	1.1	0	104	80-120	1.152	0.479	20	
Calcium	0.9569	0.20	1.1	0	87	80.3-122	0.9776	2.14	20	
Chromium	1.132	0.020	1.1	0	103	80-120	1.138	0.581	20	
Cobalt	1.077	0.025	1.1	0	97.9	80-120	1.088	1.03	20	
Copper	1.067	0.025	1.1	0	97	80-120	1.069	0.175	20	
Iron	1.03	0.20	1.1	0	93.6	80-120	1.043	1.24	20	
Lead	1.159	0.015	1.1	0	105	80-120	1.168	0.756	20	
Magnesium	0.9874	0.20	1.1	0	89.8	80-120	1.011	2.36	20	
Manganese	1.049	0.050	1.1	0	95.4	80-120	1.066	1.6	20	
Molybdenum	1.077	0.10	1.1	0	97.9	80-120	1.077	0.0511	20	
Nickel	1.075	0.050	1.1	0	97.8	80-120	1.084	0.744	20	
Selenium	1.11	0.030	1.1	0	101	80-120	1.118	0.691	20	
Silver	1.067	0.010	1.1	0	97	80-120	1.079	1.15	20	
Sodium	1.047	0.20	1.1	0	95.2	80-120	1.071	2.25	20	
Thallium	1.079	0.0020	1.1	0	98.1	80-120	1.085	0.519	20	
Titanium	1.07	0.10	1.1	0	97.3	80-120	1.086	1.5	20	
Vanadium	1.061	0.050	1.1	0	96.5	80-120	1.075	1.35	20	
Zinc	1.085	0.050	1.1	0	98.6	80-120	1.093	0.747	20	

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33542** Instrument ID **ICP3** Method: **SW6010B**

MS Sample ID: **1602001-03a ms** Units: **mg/L** Analysis Date: **2/1/2016 02:05 PM**
Client ID: **Sink Filtered- Plastic Grab** Run ID: **ICP3_160201C** SeqNo: **1214985** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.188	0.20	1.1	0.08	101	75-125	0			
Arsenic	1.166	0.010	1.1	-0.002659	106	75-125	0			
Barium	1.13	0.10	1.1	0.0002376	103	75-125	0			
Beryllium	1.1	0.00040	1.1	-0.0006347	100	75-125	0			
Cadmium	1.15	0.0050	1.1	-0.000616	105	75-125	0			
Calcium	24.44	0.20	1.1	24.05	36	75-125	0			SO
Chromium	1.126	0.020	1.1	-0.000396	102	75-125	0			
Cobalt	1.064	0.025	1.1	-0.0003916	96.8	75-125	0			
Copper	1.047	0.025	1.1	0.002449	94.9	75-125	0			
Iron	1.056	0.20	1.1	-0.04249	99.9	75-125	0			
Lead	1.143	0.015	1.1	0.002204	104	75-125	0			
Magnesium	10.03	0.20	1.1	9.144	80.4	75-125	0			O
Manganese	1.058	0.050	1.1	0.0001925	96.1	75-125	0			
Molybdenum	1.091	0.10	1.1	0.0007227	99.2	75-125	0			
Nickel	1.062	0.050	1.1	0.0003234	96.5	75-125	0			
Selenium	1.128	0.030	1.1	0.0007711	102	75-125	0			
Silver	1.051	0.010	1.1	-0.0007084	95.6	75-125	0			
Sodium	7.372	0.20	1.1	6.057	120	75-125	0			O
Thallium	1.059	0.0020	1.1	0.0007744	96.2	75-125	0			
Titanium	1.099	0.10	1.1	-0.002203	100	75-125	0			
Vanadium	1.088	0.050	1.1	0.0008877	98.8	75-125	0			
Zinc	1.164	0.050	1.1	0.08998	97.6	75-125	0			

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33542** Instrument ID **ICP3** Method: **SW6010B**

MSD Sample ID: **1602001-03a msd** Units: **mg/L** Analysis Date: **2/1/2016 02:07 PM**
Client ID: **Sink Filtered- Plastic Grab** Run ID: **ICP3_160201C** SeqNo: **1214986** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.241	0.20	1.1	0.08	106	75-125	1.188	4.35	20	
Arsenic	1.172	0.010	1.1	-0.002659	107	75-125	1.166	0.471	20	
Barium	1.135	0.10	1.1	0.0002376	103	75-125	1.13	0.486	20	
Beryllium	1.103	0.00040	1.1	-0.0006347	100	75-125	1.1	0.3	20	
Cadmium	1.154	0.0050	1.1	-0.000616	105	75-125	1.15	0.382	20	
Calcium	24.62	0.20	1.1	24.05	52	75-125	24.44	0.717	20	SO
Chromium	1.13	0.020	1.1	-0.000396	103	75-125	1.126	0.293	20	
Cobalt	1.071	0.025	1.1	-0.0003916	97.4	75-125	1.064	0.618	20	
Copper	1.048	0.025	1.1	0.002449	95	75-125	1.047	0.105	20	
Iron	1.069	0.20	1.1	-0.04249	101	75-125	1.056	1.25	20	
Lead	1.152	0.015	1.1	0.002204	104	75-125	1.143	0.767	20	
Magnesium	10.05	0.20	1.1	9.144	82.3	75-125	10.03	0.208	20	O
Manganese	1.061	0.050	1.1	0.0001925	96.4	75-125	1.058	0.27	20	
Molybdenum	1.092	0.10	1.1	0.0007227	99.2	75-125	1.091	0.0806	20	
Nickel	1.067	0.050	1.1	0.0003234	97	75-125	1.062	0.465	20	
Selenium	1.137	0.030	1.1	0.0007711	103	75-125	1.128	0.874	20	
Silver	1.057	0.010	1.1	-0.0007084	96.2	75-125	1.051	0.626	20	
Sodium	7.028	0.20	1.1	6.057	88.3	75-125	7.372	4.78	20	O
Thallium	1.062	0.0020	1.1	0.0007744	96.5	75-125	1.059	0.29	20	
Titanium	1.108	0.10	1.1	-0.002203	101	75-125	1.099	0.748	20	
Vanadium	1.098	0.050	1.1	0.0008877	99.8	75-125	1.088	0.946	20	
Zinc	1.168	0.050	1.1	0.08998	98	75-125	1.164	0.377	20	

The following samples were analyzed in this batch: 1602001-03a 1602001-07a

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33548** Instrument ID **SVMS1** Method: **SW8270C**

MBLK Sample ID: **MBLK-33548-33548** Units: **µg/Kg** Analysis Date: **2/1/2016 03:26 PM**
Client ID: Run ID: **SVMS1_160201A** SeqNo: **1215363** Prep Date: **2/1/2016** 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	9,900								
1,2,4-Trichlorobenzene	ND	9,900								
1,2-Dichlorobenzene	ND	9,900								
1,3-Dichlorobenzene	ND	9,900								
1,3-Dinitrobenzene	ND	9,900								
1,4-Dichlorobenzene	ND	9,900								
1-Methylnaphthalene	ND	9,900								
1-Naphthylamine	ND	9,900								
2,3,4,6-Tetrachlorophenol	ND	9,900								
2,4,5-Trichlorophenol	ND	9,900								
2,4,6-Trichlorophenol	ND	9,900								
2,4-Dichlorophenol	ND	9,900								
2,4-Dimethylphenol	ND	9,900								
2,4-Dinitrophenol	ND	50,000								
2,4-Dinitrotoluene	ND	9,900								
2,6-Dichlorophenol	ND	9,900								
2,6-Dinitrotoluene	ND	9,900								
2-Acetylaminofluorene	ND	9,900								
2-Chloronaphthalene	ND	9,900								
2-Chlorophenol	ND	9,900								
2-Methylnaphthalene	ND	9,900								
2-Methylphenol	ND	9,900								
2-Naphthylamine	ND	9,900								
2-Nitroaniline	ND	50,000								
2-Nitrophenol	ND	9,900								
2-Picoline	ND	9,900								
3&4-Methylphenol	ND	9,900								
3,3`-Dichlorobenzidine	ND	20,000								
3-Methylcholanthrene	ND	9,900								
3-Nitroaniline	ND	50,000								
4,6-Dinitro-2-methylphenol	ND	50,000								
4-Aminobiphenyl	ND	20,000								
4-Bromophenyl phenyl ether	ND	9,900								
4-Chloro-3-methylphenol	ND	20,000								
4-Chloroaniline	ND	20,000								
4-Chlorophenyl phenyl ether	ND	9,900								
4-Nitroaniline	ND	20,000								
4-Nitrophenol	ND	50,000								
4-Nitroquinoline 1-oxide	ND	9,900								
5-Nitro-o-toluidine	ND	9,900								
7,12-Dimethylbenz(a)anthracene	ND	9,900								
Acenaphthene	ND	9,900								

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

Batch ID: **33548** Instrument ID **SVMS1** Method: **SW8270C**

Acenaphthylene	ND	9,900
Acetophenone	ND	9,900
Aniline	ND	9,900
Anthracene	ND	9,900
Azobenzene	ND	9,900
Benzidine	ND	9,900
Benzo(a)anthracene	ND	9,900
Benzo(a)pyrene	ND	9,900
Benzo(b)fluoranthene	ND	9,900
Benzo(g,h,i)perylene	ND	9,900
Benzo(k)fluoranthene	ND	9,900
Benzyl alcohol	ND	20,000
Bis(2-chloroethoxy)methane	ND	9,900
Bis(2-chloroethyl)ether	ND	9,900
Bis(2-chloroisopropyl)ether	ND	9,900
Bis(2-ethylhexyl)phthalate	ND	9,900
Butyl benzyl phthalate	ND	9,900
Carbazole	ND	9,900
Chrysene	ND	9,900
Dibenzo(a,h)anthracene	ND	9,900
Dibenzofuran	ND	9,900
Diethyl phthalate	ND	9,900
Dimethyl phthalate	ND	9,900
Di-n-butyl phthalate	ND	9,900
Di-n-octyl phthalate	ND	9,900
Dinoseb	ND	9,900
Diphenylamine	ND	9,900
Ethyl methanesulfonate	ND	9,900
Fluoranthene	ND	9,900
Fluorene	ND	9,900
Hexachlorobenzene	ND	9,900
Hexachlorobutadiene	ND	9,900
Hexachlorocyclopentadiene	ND	9,900
Hexachloroethane	ND	9,900
Indeno(1,2,3-cd)pyrene	ND	4,500
Isophorone	ND	9,900
Isosafrole	ND	9,900
Methapyrilene	ND	9,900
Methyl methanesulfonate	ND	9,900
Naphthalene	ND	9,900
Nitrobenzene	ND	9,900
N-Nitrosodiethylamine	ND	9,900
N-Nitrosodimethylamine	ND	9,900
N-Nitroso-di-n-butylamine	ND	9,900
N-Nitrosodi-n-propylamine	ND	9,900
N-Nitrosomethylethylamine	ND	9,900
N-Nitrosomorpholine	ND	9,900
N-Nitrosopiperidine	ND	9,900

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

Batch ID: **33548** Instrument ID **SVMS1** Method: **SW8270C**

N-Nitrosopyrrolidine	ND	9,900					
o-Toluidine	ND	9,900					
p-Dimethylaminoazobenzene	ND	9,900					
Pentachlorobenzene	ND	9,900					
Pentachloroethane	ND	9,900					
Pentachloronitrobenzene	ND	20,000					
Pentachlorophenol	ND	50,000					
Phenacetin	ND	20,000					
Phenanthrene	ND	9,900					
Phenol	ND	9,900					
Pyrene	ND	9,900					
Pyridine	ND	9,900					
Safrole	ND	9,900					
Surr: 2,4,6-Tribromophenol	59460	0	*99900*	0	*59.5*	*10.1-79.8*	0
Surr: 2-Fluorobiphenyl	28320	0	*50100*	0	*56.5*	*2.13-90.1*	0
Surr: 2-Fluorophenol	19580	0	*99900*	0	*19.6*	*0-97.9*	0
Surr: 4-Terphenyl-d14	32180	0	*50100*	0	*64.2*	*2.32-87.7*	0
Surr: Nitrobenzene-d5	26840	0	*50100*	0	*53.6*	*.776-85.8*	0
Surr: Phenol-d5	24140	0	*99900*	0	*24.2*	*0-126*	0

LCS Sample ID: **LCS-33548-33548** Units: **µg/Kg** Analysis Date: **2/1/2016 03:51 PM**
Client ID: Run ID: **SVMS1_160201A** SeqNo: **1215364** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	24150	9,900	50100	0	48.2	11.7-120	0			
1,4-Dichlorobenzene	19340	9,900	50100	0	38.6	6.03-104	0			
2,4-Dinitrotoluene	27160	9,900	50100	0	54.2	11.7-141	0			
2-Chlorophenol	17470	9,900	50100	0	34.9	1.26-113	0			
4-Chloro-3-methylphenol	26620	20,000	50100	0	53.1	7.56-113	0			
4-Nitrophenol	ND	50,000	50100	0	35.8	2.9-128	0			
Acenaphthene	23710	9,900	50100	0	47.3	46-107	0			
N-Nitrosodi-n-propylamine	21780	9,900	50100	0	43.5	13.4-115	0			
Pentachlorophenol	ND	50,000	50100	0	48.8	35-128	0			
Phenol	11510	9,900	50100	0	23	.578-121	0			
Surr: 2,4,6-Tribromophenol	53460	0	*99900*	0	*53.5*	*15.3-142*	0			
Surr: 2-Fluorobiphenyl	20770	0	*50100*	0	*41.5*	*2.13-90.1*	0			
Surr: 2-Fluorophenol	12650	0	*99900*	0	*12.7*	*0-97.9*	0			
Surr: 4-Terphenyl-d14	28120	0	*50100*	0	*56.1*	*2.32-87.7*	0			
Surr: Nitrobenzene-d5	17270	0	*50100*	0	*34.5*	*.776-85.8*	0			
Surr: Phenol-d5	19890	0	*99900*	0	*19.9*	*0-126*	0			

The following samples were analyzed in this batch: 1602001-01A 1602001-04A 1602001-05A

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33556** Instrument ID **SVMS1** Method: **SW8270C**

MBLK Sample ID: **MBLK-33556-33556** Units: **µg/L** Analysis Date: **2/1/2016 07:37 PM**
Client ID: Run ID: **SVMS1_160201A** SeqNo: **1215352** Prep Date: **2/1/2016** 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	10								
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,3-Dinitrobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
1-Methylnaphthalene	ND	0.10								
1-Naphthylamine	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Acetylaminofluorene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	0.10								
2-Methylphenol	ND	10								
2-Naphthylamine	ND	20								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	10								
2-Picoline	ND	20								
3&4-Methylphenol	ND	10								
3,3`-Dichlorobenzidine	ND	10								
3-Methylcholanthrene	ND	20								
3-Nitroaniline	ND	20								
4,6-Dinitro-2-methylphenol	ND	20								
4-Aminobiphenyl	ND	10								
4-Bromophenyl phenyl ether	ND	20								
4-Chloro-3-methylphenol	ND	20								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	20								
4-Nitroaniline	ND	20								
4-Nitrophenol	ND	10								
4-Nitroquinoline 1-oxide	ND	10								
5-Nitro-o-toluidine	ND	10								
7,12-Dimethylbenz(a)anthracene	ND	10								
Acenaphthene	ND	0.10								

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

QC BATCH REPORT

Batch ID: **33556** Instrument ID **SVMS1** Method: **SW8270C**

Acenaphthylene	ND	0.10
Acetophenone	ND	10
Aniline	ND	10
Anthracene	ND	0.10
Azobenzene	ND	10
Benzidine	ND	10
Benzo(a)anthracene	ND	0.10
Benzo(a)pyrene	ND	0.10
Benzo(b)fluoranthene	ND	0.10
Benzo(g,h,i)perylene	ND	0.10
Benzo(k)fluoranthene	ND	0.10
Benzyl alcohol	ND	10
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloroisopropyl)ether	ND	10
Bis(2-ethylhexyl)phthalate	ND	10
Butyl benzyl phthalate	ND	10
Carbazole	ND	10
Chrysene	ND	0.10
Dibenzo(a,h)anthracene	ND	0.10
Dibenzofuran	ND	10
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
Di-n-butyl phthalate	ND	10
Di-n-octyl phthalate	ND	10
Dinoseb	ND	20
Diphenylamine	ND	10
Ethyl methanesulfonate	ND	10
Fluoranthene	ND	0.10
Fluorene	ND	0.10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	0.10
Isophorone	ND	10
Isosafrole	ND	10
Methapyrilene	ND	10
Methyl methanesulfonate	ND	10
Naphthalene	ND	0.10
Nitrobenzene	ND	10
N-Nitrosodiethylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitroso-di-n-butylamine	ND	10
N-Nitrosodi-n-propylamine	ND	10
N-Nitrosomethylethylamine	ND	10
N-Nitrosomorpholine	ND	10
N-Nitrosopiperidine	ND	10

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

QC BATCH REPORT

Batch ID: **33556** Instrument ID **SVMS1** Method: **SW8270C**

N-Nitrosopyrrolidine	ND	10					
o-Toluidine	ND	10					
p-Dimethylaminoazobenzene	ND	10					
Pentachlorobenzene	ND	10					
Pentachloroethane	ND	10					
Pentachloronitrobenzene	ND	20					
Pentachlorophenol	ND	20					
Phenacetin	ND	20					
Phenanthrene	ND	0.10					
Phenol	ND	10					
Pyrene	ND	0.10					
Pyridine	ND	10					
Safrole	ND	10					
Surr: 2,4,6-Tribromophenol	67.5	0	*100*	0	*67.5*	*35-120*	0
Surr: 2-Fluorobiphenyl	27.42	0	*50*	0	*54.8*	*38-105*	0
Surr: 2-Fluorophenol	49.11	0	*100*	0	*49.1*	*12-89*	0
Surr: 4-Terphenyl-d14	41.91	0	*50*	0	*83.8*	*42-125*	0
Surr: Nitrobenzene-d5	32.01	0	*50*	0	*64*	*28-120*	0
Surr: Phenol-d5	34.69	0	*100*	0	*34.7*	*10-62*	0

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **33556** Instrument ID **SVMS1** Method: **SW8270C**

LCS Sample ID: **LCS-33556-33556** Units: **µg/L** Analysis Date: **2/1/2016 08:02 PM**
Client ID: Run ID: **SVMS1_160201A** SeqNo: **1215353** Prep Date: **2/1/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	31.58	10	50	0	63.2	29.9-87	0			
1,4-Dichlorobenzene	29.03	10	50	0	58.1	24.6-94.5	0			
2,4-Dinitrotoluene	35.27	10	50	0	70.5	61.3-108	0			
2-Chlorophenol	32.93	10	50	0	65.9	33.3-89.9	0			
4-Chloro-3-methylphenol	37.27	20	50	0	74.5	39.3-96.6	0			
4-Nitrophenol	16.3	10	50	0	32.6	17.3-80.3	0			
Acenaphthene	29.34	0.10	50	0	58.7	40.1-123	0			
Acenaphthylene	34.1	0.10	50	0	68.2	59.3-126	0			
Anthracene	38.27	0.10	50	0	76.5	62.1-110	0			
Benzo(a)anthracene	34.36	0.10	50	0	68.7	62.3-118	0			
Benzo(a)pyrene	38.47	0.10	50	0	76.9	69.6-111	0			
Benzo(b)fluoranthene	37.99	0.10	50	0	76	60.1-94.5	0			
Benzo(g,h,i)perylene	38.51	0.10	50	0	77	66.8-138	0			
Benzo(k)fluoranthene	38.31	0.10	50	0	76.6	68.8-136	0			
Carbazole	39.78	10	50	0	79.6	49.9-163	0			
Chrysene	38.96	0.10	50	0	77.9	63.1-116	0			
Dibenzo(a,h)anthracene	38.16	0.10	50	0	76.3	47.1-168	0			
Fluoranthene	40.59	0.10	50	0	81.2	58.1-117	0			
Fluorene	31.74	0.10	50	0	63.5	59.5-120	0			
Indeno(1,2,3-cd)pyrene	37.5	0.10	50	0	75	56.3-141	0			
Naphthalene	32.42	0.10	50	0	64.8	46.6-104	0			
N-Nitrosodi-n-propylamine	36.87	10	50	0	73.7	54.8-121	0			
Pentachlorophenol	37.05	20	50	0	74.1	34.1-130	0			
Phenanthrene	38.2	0.10	50	0	76.4	63-118	0			
Phenol	17.35	10	50	0	34.7	17.5-68	0			
Pyrene	39.07	0.10	50	0	78.1	42-125	0			
Surr: 2,4,6-Tribromophenol	79.84	0	*100*	0	*79.8*	*35-120*	0			
Surr: 2-Fluorobiphenyl	31.49	0	*50*	0	*63*	*38-105*	0			
Surr: 2-Fluorophenol	49.02	0	*100*	0	*49*	*12-89*	0			
Surr: 4-Terphenyl-d14	40.01	0	*50*	0	*80*	*42-125*	0			
Surr: Nitrobenzene-d5	35.62	0	*50*	0	*71.2*	*28-120*	0			
Surr: Phenol-d5	34.34	0	*100*	0	*34.3*	*10-62*	0			

The following samples were analyzed in this batch: 1602001-02A 1602001-06A

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125576** Instrument ID **VMS1** Method: **SW8260B**

MBLK Sample ID: **MBLK-R125576** Units: **µg/L** Analysis Date: **2/1/2016 07:53 AM**
Client ID: Run ID: **VMS1_160201A** SeqNo: **1215177** 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	5.0								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	5.0								
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.

QC BATCH REPORT

Batch ID: **R125576** 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	50.92	0	*50*	0	*102*	*61-131*	0
Surr: Dibromofluoromethane	52.67	0	*50*	0	*105*	*87-126*	0
Surr: Toluene-d8	47.05	0	*50*	0	*94.1*	*84-111*	0

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125576** Instrument ID **VMS1** Method: **SW8260B**

LCS Sample ID: **LCS-R125576** Units: **µg/L** Analysis Date: **2/1/2016 08:56 AM**
Client ID: Run ID: **VMS1_160201A** SeqNo: **1215178** 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	34.49	5.0	50	0	69	48.4-140	0			
1,1-Dichloroethene	45.85	5.0	50	0	91.7	45.5-150	0			
1,2-Dichloroethane	32.17	5.0	50	0	64.3	46.5-141	0			
1,3-Dichlorobenzene	25.97	5.0	50	0	51.9	42.5-133	0			
1,4-Dichlorobenzene	26.13	5.0	50	0	52.3	38.9-136	0			
Benzene	33.57	5.0	50	0	67.1	50.7-134	0			
Carbon tetrachloride	36.3	5.0	50	0	72.6	45.5-143	0			
Chlorobenzene	27.29	5.0	50	0	54.6	45-133	0			
Chloroform	34.52	5.0	50	0	69	52.4-136	0			
cis-1,2-Dichloroethene	35.08	5.0	50	0	70.2	49.7-138	0			
Ethylbenzene	27.97	5.0	50	0	55.9	37.8-145	0			
m,p-Xylene	55.94	5.0	100	0	55.9	25.1-163	0			
Methyl tert-butyl ether	32.39	5.0	50	0	64.8	26.7-174	0			
Styrene	28.21	5.0	50	0	56.4	26.3-172	0			
Tetrachloroethene	27.89	5.0	50	0	55.8	37.3-139	0			
Toluene	32.56	5.0	50	0	65.1	44-135	0			
Trichloroethene	33.32	5.0	50	0	66.6	45.9-140	0			
Xylenes, Total	83.79	10	150	0	55.9	47.3-132	0			
Surr: 4-Bromofluorobenzene	50.67	0	*50*	0	*101*	*61-131*	0			
Surr: Dibromofluoromethane	51.85	0	*50*	0	*104*	*87-126*	0			
Surr: Toluene-d8	49.82	0	*50*	0	*99.6*	*84-111*	0			

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125576** Instrument ID **VMS1** Method: **SW8260B**

MS Sample ID: **1601877-06A MS** Units: **µg/L** Analysis Date: **2/1/2016 09:28 AM**
Client ID: Run ID: **VMS1_160201A** SeqNo: **1215179** 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	53.98	5.0	50	0	108	40.4-134	0			
1,1-Dichloroethene	74.83	5.0	50	0	150	45.3-151	0			
1,2-Dichloroethane	51.33	5.0	50	0	103	37-139	0			
1,3-Dichlorobenzene	41.25	5.0	50	0	82.5	42.9-121	0			
1,4-Dichlorobenzene	41.25	5.0	50	0	82.5	53.4-129	0			
Benzene	52.5	5.0	50	0	105	37.4-144	0			
Carbon tetrachloride	56.87	5.0	50	0	114	33.8-150	0			
Chlorobenzene	43.06	5.0	50	0	86.1	52.4-132	0			
Chloroform	54.43	5.0	50	0	109	45.5-135	0			
cis-1,2-Dichloroethene	57.46	5.0	50	0	115	35.2-150	0			
Ethylbenzene	44.6	5.0	50	0	89.2	46.5-146	0			
m,p-Xylene	88.92	5.0	100	0	88.9	38.2-167	0			
Styrene	44.6	5.0	50	0	89.2	20.9-184	0			
Tetrachloroethene	44.19	5.0	50	0	88.4	55.2-134	0			
Toluene	50.76	5.0	50	0	102	32.7-140	0			
Trichloroethene	52.56	5.0	50	0	105	29.1-153	0			
Surr: 4-Bromofluorobenzene	51.27	0	*50*	0	*103*	*61-131*	0			
Surr: Dibromofluoromethane	53.06	0	*50*	0	*106*	*87-126*	0			
Surr: Toluene-d8	49.22	0	*50*	0	*98.4*	*84-111*	0			

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125576** Instrument ID **VMS1** Method: **SW8260B**

MSD Sample ID: **1601877-06A MSD** Units: **µg/L** Analysis Date: **2/1/2016 10:26 AM**
Client ID: Run ID: **VMS1_160201A** SeqNo: **1215180** 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	56.53	5.0	50	0	113	40.4-134	53.98	4.61	20	
1,1-Dichloroethene	75.33	5.0	50	0	151	45.3-151	74.83	0.666	20	
1,2-Dichloroethane	52.92	5.0	50	0	106	37-139	51.33	3.05	20	
1,3-Dichlorobenzene	42.71	5.0	50	0	85.4	42.9-121	41.25	3.48	20	
1,4-Dichlorobenzene	42.59	5.0	50	0	85.2	53.4-129	41.25	3.2	20	
Benzene	54.39	5.0	50	0	109	37.4-144	52.5	3.54	20	
Carbon tetrachloride	59.38	5.0	50	0	119	33.8-150	56.87	4.32	20	
Chlorobenzene	44.15	5.0	50	0	88.3	52.4-132	43.06	2.5	20	
Chloroform	55.92	5.0	50	0	112	45.5-135	54.43	2.7	20	
cis-1,2-Dichloroethene	58.79	5.0	50	0	118	35.2-150	57.46	2.29	21	
Ethylbenzene	45.93	5.0	50	0	91.9	46.5-146	44.6	2.94	20	
m,p-Xylene	90.48	5.0	100	0	90.5	38.2-167	88.92	1.74	20	
Styrene	45.05	5.0	50	0	90.1	20.9-184	44.6	1	20	
Tetrachloroethene	45.74	5.0	50	0	91.5	55.2-134	44.19	3.45	20	
Toluene	52.59	5.0	50	0	105	32.7-140	50.76	3.54	20	
Trichloroethene	53.96	5.0	50	0	108	29.1-153	52.56	2.63	20	
Surr: 4-Bromofluorobenzene	50.7	0	*50*	0	*101*	*61-131*	51.27	*1.12*		
Surr: Dibromofluoromethane	51.83	0	*50*	0	*104*	*87-126*	53.06	*2.35*		
Surr: Toluene-d8	50.22	0	*50*	0	*100*	*84-111*	49.22	*2.01*		

The following samples were analyzed in this batch: 1602001-02B 1602001-06B

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125578** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R125578** Units: **µg/Kg** Analysis Date: **2/1/2016 10:42 AM**
Client ID: Run ID: **VMS2_160201A** SeqNo: **1215202** 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	5.0								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	5.0								
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.

QC BATCH REPORT

Batch ID: **R125578** 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	49.36	0	*50*	0	*98.7*	*62.7-159*	0
Surr: Dibromofluoromethane	51.41	0	*50*	0	*103*	*67.3-136*	0
Surr: Toluene-d8	47.52	0	*50*	0	*95*	*83-124*	0

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

Client: Water Defense
Work Order: 1602001
Project: Flint House #2 NBC

QC BATCH REPORT

Batch ID: **R125578** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-R125578** Units: **µg/Kg** Analysis Date: **2/1/2016 12:15 PM**
Client ID: Run ID: **VMS2_160201A** SeqNo: **1215203** 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	37.92	5.0	50	0	75.8	70-132	0			
1,1-Dichloroethene	62.96	5.0	50	0	126	61.2-140	0			
1,2-Dichloroethane	44.16	5.0	50	0	88.3	67.3-139	0			
1,3-Dichlorobenzene	15.98	5.0	50	0	32	67.5-126	0			S
1,4-Dichlorobenzene	15.98	5.0	50	0	32	69.5-124	0			S
Benzene	37.55	5.0	50	0	75.1	67.2-135	0			
Carbon tetrachloride	32.01	5.0	50	0	64	68.6-138	0			S
Chlorobenzene	26.19	5.0	50	0	52.4	66.4-133	0			S
Chloroform	40.73	5.0	50	0	81.5	68.2-127	0			
cis-1,2-Dichloroethene	41.86	5.0	50	0	83.7	62.1-135	0			
Ethylbenzene	24.99	5.0	50	0	50	67.8-132	0			S
m,p-Xylene	49.28	5.0	100	0	49.3	66.4-132	0			S
Styrene	23.33	5.0	50	0	46.7	67.6-134	0			S
Tetrachloroethene	26.13	5.0	50	0	52.3	70.3-144	0			S
Toluene	28.17	5.0	50	0	56.3	67.8-130	0			S
Trichloroethene	32.89	5.0	50	0	65.8	68.5-136	0			S
Surr: 4-Bromofluorobenzene	51.77	0	*50*	0	*104*	*62.7-159*	0			
Surr: Dibromofluoromethane	56.31	0	*50*	0	*113*	*67.3-136*	0			
Surr: Toluene-d8	45.45	0	*50*	0	*90.9*	*83-124*	0			

The following samples were analyzed in this batch: 1602001-01A 1602001-04A 1602001-05A

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

ALS Environmental

Date: 02-Feb-16

Client: Water Defense
Project: Flint House #2 NBC
WorkOrder: **1602001**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank 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 control limits
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	
mg/Kg	
mg/L	

ALS Environmental

Sample Receipt Checklist

Client Name: **WATERDEFENSE-HURLEYVULL** Date/Time Received: **01-Feb-16 08:02**

Work Order: **1602001** Received by: **JAO**

Checklist completed by Rob Nieman 01-Feb-16 (eSignature / Date) Reviewed by: Rob Nieman 01-Feb-16 (eSignature / Date)

Matrices:
Carrier name: Client

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):	16.1		
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:

CorrectiveAction: