22-Nov-2016

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

Tel: (508) 345-6520
Fax:

Re: Tampa Fl Villages of Bloomingdale Work Order: **1611246**

Dear Scott,

ALS Environmental received 7 samples on 05-Nov-2016 10:15 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 40.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

ALS Environmental

Date: 22-Nov-16

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Work Order: **1611246**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1611246-01	Grab VOB Water Main	Water		11/3/2016	11/5/2016 10:15	☐
1611246-02	Grab Bacteria VOB Water Main	Water		11/3/2016	11/5/2016 10:15	☐
1611246-03	WaterBug Grab VOB Main	Bulk		11/3/2016	11/5/2016 10:15	☐
1611246-04	Grab Don Shower VOB	Water		11/3/2016	11/5/2016 10:15	☐
1611246-05	Grab Bacteria Don Shower VOB	Water		11/3/2016	11/5/2016 10:15	☐
1611246-06	WaterBug Grab DonShower VOB	Bulk		11/3/2016	11/5/2016 10:15	☐
1611246-07	WaterBug 20 Min Exp Don Shower VOB	Bulk		11/3/2016	11/5/2016 10:15	☐

EPA-R5-2017-008527_0000419

ALS Environmental *Date: 22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Work Order: 1611246

Case Narrative

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

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

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

EPA-R5-2017-008527_0000419

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab VOB Water Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **11/10/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	11/10/2016
METALS BY ICP			**SW6010B**		Prep Date: **11/11/2016**	Analyst: **VAW**
Aluminum	ND		0.20	mg/L	1	11/11/2016 04:07 PM
Arsenic	ND		0.010	mg/L	1	11/11/2016 04:07 PM
Barium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Beryllium	ND		0.00040	mg/L	1	11/11/2016 04:07 PM
Cadmium	ND		0.0050	mg/L	1	11/11/2016 04:07 PM
Calcium	**81**		**0.20**	**mg/L**	1	11/11/2016 04:07 PM
Chromium	ND		0.020	mg/L	1	11/11/2016 04:07 PM
Cobalt	ND		0.0040	mg/L	1	11/11/2016 04:07 PM
Copper	**1.2**		**0.025**	**mg/L**	1	11/11/2016 04:07 PM
Iron	ND		0.20	mg/L	1	11/11/2016 04:07 PM
Lead	**0.12**		**0.015**	**mg/L**	1	11/11/2016 04:07 PM
Lithium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Magnesium	**10**		**0.20**	**mg/L**	1	11/11/2016 04:07 PM
Manganese	ND		0.050	mg/L	1	11/11/2016 04:07 PM
Molybdenum	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Nickel	**0.056**		**0.050**	**mg/L**	1	11/11/2016 04:07 PM
Phosphorus	**0.32**		**0.10**	**mg/L**	1	11/11/2016 04:07 PM
Platinum	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Selenium	ND		0.030	mg/L	1	11/11/2016 04:07 PM
Silver	ND		0.010	mg/L	1	11/11/2016 04:07 PM
Sodium	**32**		**0.20**	**mg/L**	1	11/11/2016 04:07 PM
Tellurium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Thallium	ND		0.0050	mg/L	1	11/11/2016 04:07 PM
Tin	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Titanium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Tungsten	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Vanadium	ND		0.050	mg/L	1	11/11/2016 04:07 PM
Yttrium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
Zinc	**0.33**		**0.050**	**mg/L**	1	11/11/2016 04:07 PM
Zirconium	ND		0.10	mg/L	1	11/11/2016 04:07 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab VOB Water Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
2-Butanone	ND		50	µg/L	1	11/14/2016 03:09 PM
2-Chlorotoluene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
2-Hexanone	ND		5.0	µg/L	1	11/14/2016 03:09 PM
4-Chlorotoluene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Acetone	ND		50	µg/L	1	11/14/2016 03:09 PM
Benzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Bromobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Bromochloromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Bromodichloromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Bromoform	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Bromomethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Carbon disulfide	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Carbon tetrachloride	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Chlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Chloroethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Chloroform	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Chloromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Dibromochloromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Dibromomethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Ethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab VOB Water Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Isopropylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
m,p-Xylene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Methylene chloride	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Naphthalene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
n-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
n-Propylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
o-Xylene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
sec-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Styrene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
tert-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Tetrachloroethene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Toluene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Trichloroethene	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	11/14/2016 03:09 PM
Vinyl chloride	ND		2.0	µg/L	1	11/14/2016 03:09 PM
Xylenes, Total	ND		10	µg/L	1	11/14/2016 03:09 PM
Surr: 4-Bromofluorobenzene	*101*		*61-131*	*%REC*	1	11/14/2016 03:09 PM
Surr: Dibromofluoromethane	*96.0*		*87-126*	*%REC*	1	11/14/2016 03:09 PM
Surr: Toluene-d8	*98.9*		*84-111*	*%REC*	1	11/14/2016 03:09 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab VOB Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **11/14/2016**	Analyst: **VAW**
Mercury	ND		0.28	mg/Kg	1	11/14/2016
METALS BY ICP			**SW6010B**		Prep Date: **11/10/2016**	Analyst: **VAW**
Aluminum	ND		490	mg/Kg	1	11/10/2016 05:55 PM
Arsenic	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Barium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Beryllium	ND		0.49	mg/Kg	1	11/10/2016 05:55 PM
Cadmium	ND		0.98	mg/Kg	1	11/10/2016 05:55 PM
Calcium	ND		6,400	mg/Kg	1	11/10/2016 05:55 PM
Chromium	ND		2.0	mg/Kg	1	11/10/2016 05:55 PM
Cobalt	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Copper	ND		20	mg/Kg	1	11/10/2016 05:55 PM
Iron	ND		98	mg/Kg	1	11/10/2016 05:55 PM
Lead	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Lithium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Magnesium	ND		590	mg/Kg	1	11/10/2016 05:55 PM
Manganese	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Molybdenum	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Nickel	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Phosphorus	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Platinum	ND		98	mg/Kg	1	11/10/2016 05:55 PM
Selenium	ND		3.0	mg/Kg	1	11/10/2016 05:55 PM
Silver	ND		0.98	mg/Kg	1	11/10/2016 05:55 PM
Sodium	ND		490	mg/Kg	1	11/10/2016 05:55 PM
Tellurium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Thallium	ND		3.0	mg/Kg	1	11/10/2016 05:55 PM
Tin	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Titanium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Tungsten	ND		98	mg/Kg	1	11/10/2016 05:55 PM
Vanadium	ND		4.9	mg/Kg	1	11/10/2016 05:55 PM
Yttrium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
Zinc	ND		79	mg/Kg	1	11/10/2016 05:55 PM
Zirconium	ND		9.8	mg/Kg	1	11/10/2016 05:55 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,1-Dichloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab VOB Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,1-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2-Dibromoethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2-Dichloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,2-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,3-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
1,4-Dichlorobenzene	**160**		**25**	**µg/Kg**	5	11/16/2016 01:49 PM
2,2-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
2-Butanone	ND		250	µg/Kg	5	11/16/2016 01:49 PM
2-Chlorotoluene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
2-Hexanone	ND		25	µg/Kg	5	11/16/2016 01:49 PM
4-Chlorotoluene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Acetone	ND		250	µg/Kg	5	11/16/2016 01:49 PM
Benzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Bromobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Bromochloromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Bromodichloromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Bromoform	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Bromomethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Carbon disulfide	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Carbon tetrachloride	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Chlorobenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Chloroethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Chloroform	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Chloromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Dibromochloromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Dibromomethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Dichlorodifluoromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Ethylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab VOB Main
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-03
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Isopropylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
m,p-Xylene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Methyl tert-butyl ether	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Methylene chloride	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Naphthalene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
n-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
n-Propylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
o-Xylene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
p-Isopropyltoluene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
sec-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Styrene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
tert-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Tetrachloroethene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Toluene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Trichloroethene	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Trichlorofluoromethane	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Vinyl chloride	ND		25	µg/Kg	5	11/16/2016 01:49 PM
Xylenes, Total	ND		50	µg/Kg	5	11/16/2016 01:49 PM
Surr: 4-Bromofluorobenzene	*71.7*		*62.7-159*	*%REC*	5	11/16/2016 01:49 PM
Surr: Dibromofluoromethane	*82.2*		*67.3-136*	*%REC*	5	11/16/2016 01:49 PM
Surr: Toluene-d8	*93.6*		*83-124*	*%REC*	5	11/16/2016 01:49 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **11/10/2016**	Analyst: **VAW**
Mercury	ND		0.50	µg/L	1	11/10/2016
METALS BY ICP			**SW6010B**		Prep Date: **11/11/2016**	Analyst: **VAW**
Aluminum	**1.3**		**0.20**	**mg/L**	1	11/11/2016 04:10 PM
Arsenic	ND		0.010	mg/L	1	11/11/2016 04:10 PM
Barium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Beryllium	ND		0.00040	mg/L	1	11/11/2016 04:10 PM
Cadmium	ND		0.0050	mg/L	1	11/11/2016 04:10 PM
Calcium	**81**		**0.20**	**mg/L**	1	11/11/2016 04:10 PM
Chromium	ND		0.020	mg/L	1	11/11/2016 04:10 PM
Cobalt	ND		0.0040	mg/L	1	11/11/2016 04:10 PM
Copper	ND		0.025	mg/L	1	11/11/2016 04:10 PM
Iron	ND		0.20	mg/L	1	11/11/2016 04:10 PM
Lead	ND		0.015	mg/L	1	11/11/2016 04:10 PM
Lithium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Magnesium	**13**		**0.20**	**mg/L**	1	11/11/2016 04:10 PM
Manganese	ND		0.050	mg/L	1	11/11/2016 04:10 PM
Molybdenum	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Nickel	ND		0.050	mg/L	1	11/11/2016 04:10 PM
Phosphorus	**0.45**		**0.10**	**mg/L**	1	11/11/2016 04:10 PM
Platinum	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Selenium	ND		0.030	mg/L	1	11/11/2016 04:10 PM
Silver	ND		0.010	mg/L	1	11/11/2016 04:10 PM
Sodium	**28**		**0.20**	**mg/L**	1	11/11/2016 04:10 PM
Tellurium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Thallium	ND		0.0050	mg/L	1	11/11/2016 04:10 PM
Tin	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Titanium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Tungsten	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Vanadium	ND		0.050	mg/L	1	11/11/2016 04:10 PM
Yttrium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
Zinc	**0.056**		**0.050**	**mg/L**	1	11/11/2016 04:10 PM
Zirconium	ND		0.10	mg/L	1	11/11/2016 04:10 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
2-Butanone	ND		50	µg/L	1	11/14/2016 03:39 PM
2-Chlorotoluene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
2-Hexanone	ND		5.0	µg/L	1	11/14/2016 03:39 PM
4-Chlorotoluene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Acetone	ND		50	µg/L	1	11/14/2016 03:39 PM
Benzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Bromobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Bromochloromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Bromodichloromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Bromoform	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Bromomethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Carbon disulfide	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Carbon tetrachloride	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Chlorobenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Chloroethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Chloroform	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Chloromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Dibromochloromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Dibromomethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Ethylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Isopropylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
m,p-Xylene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Methylene chloride	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Naphthalene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
n-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
n-Propylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
o-Xylene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
sec-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Styrene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
tert-Butylbenzene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Tetrachloroethene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Toluene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Trichloroethene	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	11/14/2016 03:39 PM
Vinyl chloride	ND		2.0	µg/L	1	11/14/2016 03:39 PM
Xylenes, Total	ND		10	µg/L	1	11/14/2016 03:39 PM
Surr: 4-Bromofluorobenzene	*98.2*		*61-131*	*%REC*	1	11/14/2016 03:39 PM
Surr: Dibromofluoromethane	*97.5*		*87-126*	*%REC*	1	11/14/2016 03:39 PM
Surr: Toluene-d8	*95.6*		*84-111*	*%REC*	1	11/14/2016 03:39 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-06
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **11/14/2016**	Analyst: **VAW**
Mercury	ND		0.27	mg/Kg	1	11/14/2016
METALS BY ICP			**SW6010B**		Prep Date: **11/10/2016**	Analyst: **VAW**
Aluminum	ND		470	mg/Kg	1	11/10/2016 05:58 PM
Arsenic	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Barium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Beryllium	ND		0.47	mg/Kg	1	11/10/2016 05:58 PM
Cadmium	ND		0.94	mg/Kg	1	11/10/2016 05:58 PM
Calcium	ND		6,100	mg/Kg	1	11/10/2016 05:58 PM
Chromium	ND		1.9	mg/Kg	1	11/10/2016 05:58 PM
Cobalt	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Copper	ND		19	mg/Kg	1	11/10/2016 05:58 PM
Iron	ND		94	mg/Kg	1	11/10/2016 05:58 PM
Lead	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Lithium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Magnesium	ND		570	mg/Kg	1	11/10/2016 05:58 PM
Manganese	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Molybdenum	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Nickel	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Phosphorus	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Platinum	ND		94	mg/Kg	1	11/10/2016 05:58 PM
Selenium	ND		2.8	mg/Kg	1	11/10/2016 05:58 PM
Silver	ND		0.94	mg/Kg	1	11/10/2016 05:58 PM
Sodium	ND		470	mg/Kg	1	11/10/2016 05:58 PM
Tellurium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Thallium	ND		2.8	mg/Kg	1	11/10/2016 05:58 PM
Tin	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Titanium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Tungsten	ND		94	mg/Kg	1	11/10/2016 05:58 PM
Vanadium	ND		4.7	mg/Kg	1	11/10/2016 05:58 PM
Yttrium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
Zinc	ND		76	mg/Kg	1	11/10/2016 05:58 PM
Zirconium	ND		9.4	mg/Kg	1	11/10/2016 05:58 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,1,1-Trichloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,1,2,2-Tetrachloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,1,2-Trichloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,1-Dichloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-06
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,1-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2,3-Trichlorobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2,3-Trichloropropane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2,4-Trichlorobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2,4-Trimethylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2-Dibromo-3-chloropropane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2-Dibromoethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2-Dichlorobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2-Dichloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,2-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,3,5-Trimethylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,3-Dichlorobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,3-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
1,4-Dichlorobenzene	**390**		**25**	**µg/Kg**	5	11/16/2016 02:20 PM
2,2-Dichloropropane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
2-Butanone	ND		250	µg/Kg	5	11/16/2016 02:20 PM
2-Chlorotoluene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
2-Hexanone	ND		25	µg/Kg	5	11/16/2016 02:20 PM
4-Chlorotoluene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
4-Methyl-2-pentanone	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Acetone	ND		250	µg/Kg	5	11/16/2016 02:20 PM
Benzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Bromobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Bromochloromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Bromodichloromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Bromoform	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Bromomethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Carbon disulfide	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Carbon tetrachloride	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Chlorobenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Chloroethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Chloroform	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Chloromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
cis-1,2-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
cis-1,3-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Dibromochloromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Dibromomethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Dichlorodifluoromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Ethylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug Grab Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-06
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Isopropylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
m,p-Xylene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Methyl tert-butyl ether	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Methylene chloride	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Naphthalene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
n-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
n-Propylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
o-Xylene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
p-Isopropyltoluene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
sec-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Styrene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
tert-Butylbenzene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Tetrachloroethene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Toluene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
trans-1,2-Dichloroethene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
trans-1,3-Dichloropropene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Trichloroethene	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Trichlorofluoromethane	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Vinyl chloride	ND		25	µg/Kg	5	11/16/2016 02:20 PM
Xylenes, Total	ND		50	µg/Kg	5	11/16/2016 02:20 PM
Surr: 4-Bromofluorobenzene	*99.0*		*62.7-159*	*%REC*	5	11/16/2016 02:20 PM
Surr: Dibromofluoromethane	*78.0*		*67.3-136*	*%REC*	5	11/16/2016 02:20 PM
Surr: Toluene-d8	*92.1*		*83-124*	*%REC*	5	11/16/2016 02:20 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug 20 Min Exp Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471A**		Prep Date: **11/14/2016**	Analyst: **VAW**
Mercury	ND		0.30	mg/Kg	1	11/14/2016
METALS BY ICP			**SW6010B**		Prep Date: **11/10/2016**	Analyst: **VAW**
Aluminum	ND		490	mg/Kg	1	11/10/2016 06:01 PM
Arsenic	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Barium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Beryllium	ND		0.49	mg/Kg	1	11/10/2016 06:01 PM
Cadmium	ND		0.99	mg/Kg	1	11/10/2016 06:01 PM
Calcium	**9,500**		**6,400**	**mg/Kg**	1	11/10/2016 06:01 PM
Chromium	ND		2.0	mg/Kg	1	11/10/2016 06:01 PM
Cobalt	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Copper	ND		20	mg/Kg	1	11/10/2016 06:01 PM
Iron	ND		99	mg/Kg	1	11/10/2016 06:01 PM
Lead	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Lithium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Magnesium	**710**		**590**	**mg/Kg**	1	11/10/2016 06:01 PM
Manganese	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Molybdenum	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Nickel	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Phosphorus	**29**		**9.9**	**mg/Kg**	1	11/10/2016 06:01 PM
Platinum	ND		99	mg/Kg	1	11/10/2016 06:01 PM
Selenium	ND		3.0	mg/Kg	1	11/10/2016 06:01 PM
Silver	ND		0.99	mg/Kg	1	11/10/2016 06:01 PM
Sodium	ND		490	mg/Kg	1	11/10/2016 06:01 PM
Tellurium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Thallium	ND		3.0	mg/Kg	1	11/10/2016 06:01 PM
Tin	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Titanium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Tungsten	ND		99	mg/Kg	1	11/10/2016 06:01 PM
Vanadium	ND		4.9	mg/Kg	1	11/10/2016 06:01 PM
Yttrium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
Zinc	**110**		**79**	**mg/Kg**	1	11/10/2016 06:01 PM
Zirconium	ND		9.9	mg/Kg	1	11/10/2016 06:01 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **LAK**
1,1,1,2-Tetrachloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,1,1-Trichloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,1,2,2-Tetrachloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,1,2-Trichloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,1-Dichloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug 20 Min Exp Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,1-Dichloropropene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2,3-Trichlorobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2,3-Trichloropropane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2,4-Trichlorobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2,4-Trimethylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2-Dibromo-3-chloropropane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2-Dibromoethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2-Dichlorobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2-Dichloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,2-Dichloropropane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,3,5-Trimethylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,3-Dichlorobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,3-Dichloropropane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
1,4-Dichlorobenzene	**1,200**		**50**	**µg/Kg**	10	11/16/2016 02:50 PM
2,2-Dichloropropane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
2-Butanone	ND		500	µg/Kg	10	11/16/2016 02:50 PM
2-Chlorotoluene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
2-Hexanone	ND		50	µg/Kg	10	11/16/2016 02:50 PM
4-Chlorotoluene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
4-Methyl-2-pentanone	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Acetone	ND		500	µg/Kg	10	11/16/2016 02:50 PM
Benzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Bromobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Bromochloromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Bromodichloromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Bromoform	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Bromomethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Carbon disulfide	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Carbon tetrachloride	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Chlorobenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Chloroethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Chloroform	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Chloromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
cis-1,2-Dichloroethene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
cis-1,3-Dichloropropene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Dibromochloromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Dibromomethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Dichlorodifluoromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Ethylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM

Note:

ALS Environmental

Date: *22-Nov-16*

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
Sample ID: WaterBug 20 Min Exp Don Shower VOB
Collection Date: 11/3/2016

Work Order: 1611246
Lab ID: 1611246-07
Matrix: BULK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Isopropylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
m,p-Xylene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Methyl tert-butyl ether	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Methylene chloride	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Naphthalene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
n-Butylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
n-Propylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
o-Xylene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
p-Isopropyltoluene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
sec-Butylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Styrene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
tert-Butylbenzene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Tetrachloroethene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Toluene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
trans-1,2-Dichloroethene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
trans-1,3-Dichloropropene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Trichloroethene	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Trichlorofluoromethane	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Vinyl chloride	ND		50	µg/Kg	10	11/16/2016 02:50 PM
Xylenes, Total	ND		100	µg/Kg	10	11/16/2016 02:50 PM
Surr: 4-Bromofluorobenzene	*77.3*		*62.7-159*	*%REC*	10	11/16/2016 02:50 PM
Surr: Dibromofluoromethane	*89.4*		*67.3-136*	*%REC*	10	11/16/2016 02:50 PM
Surr: Toluene-d8	*86.2*		*83-124*	*%REC*	10	11/16/2016 02:50 PM

Note:

ALS Environmental

Date: 22-Nov-16

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39551** Instrument ID: **HG1** Method: **SW7470A**

MBLK Sample ID: **mblk-39551-39551** Units: **µg/L** Analysis Date: **11/10/2016**
Client ID: Run ID: **HG1_161110A** SeqNo: **1396149** Prep Date: **11/10/2016** 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-39551-39551** Units: **µg/L** Analysis Date: **11/10/2016**
Client ID: Run ID: **HG1_161110A** SeqNo: **1396150** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.05	0.50	5	0	101	80-120	0			

LCSD Sample ID: **lcsd-39551-39551** Units: **µg/L** Analysis Date: **11/10/2016**
Client ID: Run ID: **HG1_161110A** SeqNo: **1396151** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.03	0.50	5	0	101	80-120	5.05	0.397	20	

MS Sample ID: **1611305-01b ms** Units: **µg/L** Analysis Date: **11/10/2016**
Client ID: Run ID: **HG1_161110A** SeqNo: **1396157** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.02	0.50	5	0	100	75-125	0			

MSD Sample ID: **1611305-01b msd** Units: **µg/L** Analysis Date: **11/10/2016**
Client ID: Run ID: **HG1_161110A** SeqNo: **1396158** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.03	0.50	5	0	101	75-125	5.02	0.199	20	

The following samples were analyzed in this batch: 1611246-01B 1611246-04B

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39631** Instrument ID: **HG1** Method: **SW7471A**

MBLK Sample ID: **mblk-39631-39631** Units: **mg/Kg** Analysis Date: **11/14/2016**
Client ID: Run ID: **HG1_161114B** SeqNo: **1397771** Prep Date: **11/14/2016** 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-39631-39631** Units: **mg/Kg** Analysis Date: **11/14/2016**
Client ID: Run ID: **HG1_161114B** SeqNo: **1397772** Prep Date: **11/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.7461	0.30	0.8309	0	89.8	69-147		0		

LCSD Sample ID: **lcsd-39631-39631** Units: **mg/Kg** Analysis Date: **11/14/2016**
Client ID: Run ID: **HG1_161114B** SeqNo: **1397773** Prep Date: **11/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.7805	0.30	0.8251	0	94.6	69-147	0.7461	4.51	20	

MS Sample ID: **1611008-06a ms** Units: **mg/Kg** Analysis Date: **11/14/2016**
Client ID: Run ID: **HG1_161114B** SeqNo: **1397777** Prep Date: **11/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.768	0.30	0.8205	0.009901	92.4	69-147		0		

MSD Sample ID: **1611008-06a msd** Units: **mg/Kg** Analysis Date: **11/14/2016**
Client ID: Run ID: **HG1_161114B** SeqNo: **1397778** Prep Date: **11/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.763	0.30	0.8258	0.009901	91.2	69-147	0.768	0.648	20	

The following samples were analyzed in this batch: 1611246-03A 1611246-06A 1611246-07A

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39569** Instrument ID: **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-39569-39569** Units: **mg/Kg** Analysis Date: **11/10/2016 05:23 PM**
Client ID: Run ID: **ICP3_161110B** SeqNo: **1396401** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	500								
Arsenic	ND	5.0								
Barium	ND	10								
Beryllium	ND	0.50								
Cadmium	ND	1.0								
Calcium	ND	6,500								
Chromium	ND	2.0								
Cobalt	ND	5.0								
Copper	ND	20								
Iron	ND	100								
Lead	ND	5.0								
Lithium	ND	10								
Magnesium	ND	600								
Manganese	ND	5.0								
Molybdenum	ND	10								
Nickel	ND	5.0								
Phosphorus	ND	10								
Platinum	ND	100								
Selenium	ND	3.0								
Silver	ND	1.0								
Sodium	ND	500								
Tellurium	ND	10								
Thallium	ND	3.0								
Tin	ND	10								
Titanium	ND	10								
Tungsten	ND	100								
Vanadium	ND	5.0								
Yttrium	ND	10								
Zinc	ND	80								
Zirconium	ND	10								

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39569** Instrument ID: **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-39569-39569** Units: **mg/Kg** Analysis Date: **11/10/2016 05:26 PM**
Client ID: Run ID: **ICP3_161110B** SeqNo: **1396402** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490	195.4	0	119	80-120	0			
Arsenic	220.6	4.9	195.4	0	113	80-120	0			
Barium	212.4	9.8	195.4	0	109	80-120	0			
Beryllium	213	0.49	195.4	0	109	80-120	0			
Cadmium	224.1	0.98	195.4	0	115	80-120	0			
Calcium	ND	6,400	195.4	0	2680	80-120	0			S
Chromium	211.8	2.0	195.4	0	108	80-120	0			
Cobalt	205.4	4.9	195.4	0	105	80-120	0			
Copper	223.3	20	195.4	0	114	80-120	0			
Iron	241.3	98	195.4	0	124	80-120	0			S
Lead	214.1	4.9	195.4	0	110	80-120	0			
Magnesium	651.6	590	195.4	0	334	80-120	0			S
Manganese	210.4	4.9	195.4	0	108	80-120	0			
Molybdenum	200.7	9.8	195.4	0	103	80-120	0			
Nickel	206.7	4.9	195.4	0	106	80-120	0			
Selenium	216.5	2.9	195.4	0	111	80-120	0			
Silver	204	0.98	195.4	0	104	80-120	0			
Sodium	ND	490	195.4	0	114	80-120	0			
Thallium	206.5	2.9	195.4	0	106	80-120	0			
Titanium	208.1	9.8	195.4	0	106	80-120	0			
Vanadium	208.9	4.9	195.4	0	107	80-120	0			
Zinc	264.4	78	195.4	0	135	80-120	0			S

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39569** Instrument ID: **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-39569-39569** Units: **mg/Kg** Analysis Date: **11/10/2016 05:29 PM**
Client ID: Run ID: **ICP3_161110B** SeqNo: **1396403** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	500	199.6	0	121	80-120	232.9	0	20	S
Arsenic	219.2	5.0	199.6	0	110	80-120	220.6	0.651	20	
Barium	211.4	10	199.6	0	106	80-120	212.4	0.477	20	
Beryllium	214.8	0.50	199.6	0	108	80-120	213	0.84	20	
Cadmium	223.4	1.0	199.6	0	112	80-120	224.1	0.339	20	
Calcium	7305	6,500	199.6	0	3660	80-120	5236	33	20	SR
Chromium	209.4	2.0	199.6	0	105	80-120	211.8	1.15	20	
Cobalt	203.4	5.0	199.6	0	102	80-120	205.4	0.959	20	
Copper	217.6	20	199.6	0	109	80-120	223.3	2.61	20	
Iron	262.7	100	199.6	0	132	80-120	241.3	8.48	20	S
Lead	212.6	5.0	199.6	0	106	80-120	214.1	0.736	20	
Magnesium	827.5	600	199.6	0	415	80-120	651.6	23.8	20	SR
Manganese	212.2	5.0	199.6	0	106	80-120	210.4	0.824	20	
Molybdenum	198.9	10	199.6	0	99.7	80-120	200.7	0.872	20	
Nickel	204.6	5.0	199.6	0	102	80-120	206.7	1.04	20	
Selenium	213.4	3.0	199.6	0	107	80-120	216.5	1.45	20	
Silver	203	1.0	199.6	0	102	80-120	204	0.487	20	
Sodium	ND	500	199.6	0	115	80-120	222.9	0	20	
Thallium	205.2	3.0	199.6	0	103	80-120	206.5	0.649	20	
Titanium	207.8	10	199.6	0	104	80-120	208.1	0.147	20	
Vanadium	208.6	5.0	199.6	0	104	80-120	208.9	0.138	20	
Zinc	288.8	80	199.6	0	145	80-120	264.4	8.84	20	S

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39569** Instrument ID: **ICP3** Method: **SW6010B**

MS Sample ID: **1611008-06a ms** Units: **mg/Kg** Analysis Date: **11/10/2016 05:41 PM**
Client ID: Run ID: **ICP3_161110B** SeqNo: **1396407** Prep Date: **11/10/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	490	197	20.34	106	75-125	0			
Arsenic	213	4.9	197	-0.2204	108	75-125	0			
Barium	205.1	9.9	197	0.1073	104	75-125	0			
Beryllium	208.8	0.49	197	0	106	75-125	0			
Cadmium	217.5	0.99	197	-0.04008	110	75-125	0			
Calcium	7463	6,400	197	7808	-175	75-125	0			SO
Chromium	203.7	2.0	197	-0.4256	104	75-125	0			
Cobalt	198.6	4.9	197	0.004365	101	75-125	0			
Copper	202.1	20	197	0.2363	102	75-125	0			
Iron	277.6	99	197	65.56	108	75-125	0			
Lead	207.4	4.9	197	0.2151	105	75-125	0			
Lithium	ND	9.9	197	-0.6464	0.328	75-125	0			S
Magnesium	679.3	590	197	499.2	91.4	75-125	0			
Manganese	206.1	4.9	197	1.282	104	75-125	0			
Molybdenum	192.7	9.9	197	-0.9754	98.3	75-125	0			
Nickel	199.6	4.9	197	0.06409	101	75-125	0			
Selenium	206.5	3.0	197	-0.3885	105	75-125	0			
Silver	197	0.99	197	0.05	100	75-125	0			
Sodium	ND	490	197	8.06	106	75-125	0			
Thallium	199	3.0	197	0.03095	101	75-125	0			
Titanium	201.9	9.9	197	0.3417	102	75-125	0			
Vanadium	201.5	4.9	197	-0.5857	103	75-125	0			
Zinc	279.4	79	197	86.79	97.7	75-125	0			

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39569** Instrument ID: **ICP3** Method: **SW6010B**

MSD Sample ID: **1611008-06a msd** Units: **mg/Kg** Analysis Date: **11/10/2016 05:49 PM**
Client ID: Run ID: **ICP3_161110B** SeqNo: **1396408** Prep Date: **11/10/2016** 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	20.34	106	75-125	228.7	0	20	
Arsenic	212.5	4.9	197.7	-0.2204	108	75-125	213	0.201	20	
Barium	198.1	9.9	197.7	0.1073	100	75-125	205.1	3.46	20	
Beryllium	207.6	0.49	197.7	0	105	75-125	208.8	0.593	20	
Cadmium	218.7	0.99	197.7	-0.04008	111	75-125	217.5	0.536	20	
Calcium	8654	6,400	197.7	7808	428	75-125	7463	14.8	20	SO
Chromium	203.4	2.0	197.7	-0.4256	103	75-125	203.7	0.129	20	
Cobalt	199.3	4.9	197.7	0.004365	101	75-125	198.6	0.355	20	
Copper	203.8	20	197.7	0.2363	103	75-125	202.1	0.841	20	
Iron	269.5	99	197.7	65.56	103	75-125	277.6	2.96	20	
Lead	208.8	4.9	197.7	0.2151	105	75-125	207.4	0.64	20	
Magnesium	752.9	590	197.7	499.2	128	75-125	679.3	10.3	20	S
Manganese	205.8	4.9	197.7	1.282	103	75-125	206.1	0.124	20	
Molybdenum	191.9	9.9	197.7	-0.9754	97.5	75-125	192.7	0.415	20	
Nickel	200.1	4.9	197.7	0.06409	101	75-125	199.6	0.256	20	
Selenium	205	3.0	197.7	-0.3885	104	75-125	206.5	0.7	20	
Silver	191.1	0.99	197.7	0.05	96.6	75-125	197	3.04	20	
Sodium	ND	490	197.7	8.06	103	75-125	216.7	0	20	
Thallium	199.3	3.0	197.7	0.03095	101	75-125	199	0.157	20	
Titanium	201.3	9.9	197.7	0.3417	102	75-125	201.9	0.33	20	
Vanadium	199.9	4.9	197.7	-0.5857	101	75-125	201.5	0.825	20	
Zinc	292.4	79	197.7	86.79	104	75-125	279.4	4.57	20	

The following samples were analyzed in this batch: 1611246-03a 1611246-06a 1611246-07a

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39602** Instrument ID: **ICP3** Method: **SW6010B**

MBLK Sample ID: **mblk-39602-39602** Units: **mg/L** Analysis Date: **11/11/2016 03:54 PM**
Client ID: Run ID: **ICP3_161111D** SeqNo: **1397381** Prep Date: **11/11/2016** 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	0.0040								
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	0.0050								
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: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39602** Instrument ID: **ICP3** Method: **SW6010B**

LCS Sample ID: **lcs-39602-39602** Units: **mg/L** Analysis Date: **11/11/2016 03:58 PM**
Client ID: Run ID: **ICP3_161111D** SeqNo: **1397382** Prep Date: **11/11/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.182	0.20	1.1	0	108	87.9-120	0			
Arsenic	1.184	0.010	1.1	0	108	80-120	0			
Barium	1.169	0.10	1.1	0	106	80-120	0			
Beryllium	1.169	0.00040	1.1	0	106	80-120	0			
Cadmium	1.197	0.0050	1.1	0	109	80-120	0			
Calcium	1.15	0.20	1.1	0	104	80.3-122	0			
Chromium	1.151	0.020	1.1	0	105	80-120	0			
Cobalt	1.113	0.0040	1.1	0	101	80-120	0			
Copper	1.076	0.025	1.1	0	97.8	80-120	0			
Lead	1.158	0.015	1.1	0	105	80-120	0			
Magnesium	1.211	0.20	1.1	0	110	80-120	0			
Manganese	1.163	0.050	1.1	0	106	80-120	0			
Molybdenum	1.09	0.10	1.1	0	99.1	80-120	0			
Nickel	1.122	0.050	1.1	0	102	80-120	0			
Selenium	1.157	0.030	1.1	0	105	80-120	0			
Silver	1.132	0.010	1.1	0	103	80-120	0			
Sodium	1.198	0.20	1.1	0	109	80-120	0			
Thallium	1.11	0.0050	1.1	0	101	80-120	0			
Titanium	1.165	0.10	1.1	0	106	80-120	0			
Vanadium	1.159	0.050	1.1	0	105	80-120	0			
Zinc	1.124	0.050	1.1	0	102	80-120	0			

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39602** Instrument ID: **ICP3** Method: **SW6010B**

LCSD Sample ID: **lcsd-39602-39602** Units: **mg/L** Analysis Date: **11/11/2016 04:01 PM**
Client ID: Run ID: **ICP3_161111D** SeqNo: **1397383** Prep Date: **11/11/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.204	0.20	1.1	0	110	87.9-120	1.182	1.84	20	
Arsenic	1.18	0.010	1.1	0	107	80-120	1.184	0.279	20	
Barium	1.173	0.10	1.1	0	107	80-120	1.169	0.282	20	
Beryllium	1.174	0.00040	1.1	0	107	80-120	1.169	0.376	20	
Cadmium	1.188	0.0050	1.1	0	108	80-120	1.197	0.738	20	
Calcium	1.163	0.20	1.1	0	106	80.3-122	1.15	1.14	20	
Chromium	1.141	0.020	1.1	0	104	80-120	1.151	0.864	20	
Cobalt	1.106	0.0040	1.1	0	100	80-120	1.113	0.694	20	
Copper	1.07	0.025	1.1	0	97.2	80-120	1.076	0.574	20	
Iron	1.206	0.20	1.1	0	110	80-120	1.199	0.549	20	
Lead	1.148	0.015	1.1	0	104	80-120	1.158	0.858	20	
Magnesium	1.225	0.20	1.1	0	111	80-120	1.211	1.17	20	
Manganese	1.16	0.050	1.1	0	106	80-120	1.163	0.189	20	
Molybdenum	1.086	0.10	1.1	0	98.7	80-120	1.09	0.374	20	
Nickel	1.114	0.050	1.1	0	101	80-120	1.122	0.689	20	
Selenium	1.151	0.030	1.1	0	105	80-120	1.157	0.572	20	
Silver	1.138	0.010	1.1	0	104	80-120	1.132	0.581	20	
Sodium	1.201	0.20	1.1	0	109	80-120	1.198	0.275	20	
Thallium	1.106	0.0050	1.1	0	100	80-120	1.11	0.397	20	
Titanium	1.176	0.10	1.1	0	107	80-120	1.165	0.94	20	
Vanadium	1.15	0.050	1.1	0	104	80-120	1.159	0.858	20	
Zinc	1.115	0.050	1.1	0	101	80-120	1.124	0.786	20	

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39602** Instrument ID: **ICP3** Method: **SW6010B**

MS Sample ID: **1611246-04b ms** Units: **mg/L** Analysis Date: **11/11/2016 04:13 PM**
Client ID: **Grab Don Shower VOB** Run ID: **ICP3_161111D** SeqNo: **1397387** Prep Date: **11/11/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	2.492	0.20	1.1	1.34	105	75-125	0			
Arsenic	1.164	0.010	1.1	0.002395	106	75-125	0			
Barium	1.151	0.10	1.1	0.03245	102	75-125	0			
Beryllium	1.17	0.00040	1.1	-0.0000066	106	75-125	0			
Cadmium	1.157	0.0050	1.1	-0.0002211	105	75-125	0			
Calcium	82.12	0.20	1.1	81.09	93	75-125	0			O
Chromium	1.093	0.020	1.1	-0.006401	99.9	75-125	0			
Cobalt	1.049	0.0040	1.1	0.0001397	95.4	75-125	0			
Copper	1.044	0.025	1.1	0.005298	94.4	75-125	0			
Iron	1.209	0.20	1.1	0.04218	106	75-125	0			
Lead	1.093	0.015	1.1	-0.0007766	99.5	75-125	0			
Magnesium	13.92	0.20	1.1	12.76	105	75-125	0			O
Manganese	1.138	0.050	1.1	0.002028	103	75-125	0			
Molybdenum	1.062	0.10	1.1	0.004187	96.2	75-125	0			
Nickel	1.055	0.050	1.1	0.001894	95.7	75-125	0			
Selenium	1.132	0.030	1.1	-0.002264	103	75-125	0			
Silver	1.102	0.010	1.1	-0.0003828	100	75-125	0			
Sodium	28.74	0.20	1.1	28.01	67	75-125	0			SO
Thallium	1.067	0.0050	1.1	0.0007018	96.9	75-125	0			
Titanium	1.16	0.10	1.1	-0.000176	106	75-125	0			
Vanadium	1.14	0.050	1.1	0.0004169	104	75-125	0			
Zinc	1.097	0.050	1.1	0.05592	94.7	75-125	0			

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **39602** Instrument ID: **ICP3** Method: **SW6010B**

MSD Sample ID: **1611246-04b msd** Units: **mg/L** Analysis Date: **11/11/2016 04:16 PM**
Client ID: **Grab Don Shower VOB** Run ID: **ICP3_161111D** SeqNo: **1397388** Prep Date: **11/11/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	2.476	0.20	1.1	1.34	103	75-125	2.492	0.62	20	
Arsenic	1.164	0.010	1.1	0.002395	106	75-125	1.164	0	20	
Barium	1.146	0.10	1.1	0.03245	101	75-125	1.151	0.383	20	
Beryllium	1.155	0.00040	1.1	-0.0000066	105	75-125	1.17	1.32	20	
Cadmium	1.156	0.0050	1.1	-0.0002211	105	75-125	1.157	0.0951	20	
Calcium	81.17	0.20	1.1	81.09	7	75-125	82.12	1.16	20	SO
Chromium	1.083	0.020	1.1	-0.006401	99	75-125	1.093	0.91	20	
Cobalt	1.05	0.0040	1.1	0.0001397	95.4	75-125	1.049	0.0105	20	
Copper	1.033	0.025	1.1	0.005298	93.5	75-125	1.044	1.03	20	
Iron	1.176	0.20	1.1	0.04218	103	75-125	1.209	2.77	20	
Lead	1.092	0.015	1.1	-0.0007766	99.4	75-125	1.093	0.101	20	
Magnesium	13.8	0.20	1.1	12.76	95	75-125	13.92	0.794	20	O
Manganese	1.129	0.050	1.1	0.002028	102	75-125	1.138	0.873	20	
Molybdenum	1.065	0.10	1.1	0.004187	96.4	75-125	1.062	0.248	20	
Nickel	1.052	0.050	1.1	0.001894	95.5	75-125	1.055	0.23	20	
Selenium	1.132	0.030	1.1	-0.002264	103	75-125	1.132	0	20	
Silver	1.09	0.010	1.1	-0.0003828	99.1	75-125	1.102	1.13	20	
Sodium	28.71	0.20	1.1	28.01	64	75-125	28.74	0.115	20	SO
Thallium	1.063	0.0050	1.1	0.0007018	96.6	75-125	1.067	0.362	20	
Titanium	1.138	0.10	1.1	-0.000176	104	75-125	1.16	1.91	20	
Vanadium	1.151	0.050	1.1	0.0004169	105	75-125	1.14	0.961	20	
Zinc	1.093	0.050	1.1	0.05592	94.3	75-125	1.097	0.392	20	

The following samples were analyzed in this batch: 1611246-01b 1611246-04b

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R134986** Instrument ID: **VMS1** Method: **SW8260B**

MBLK Sample ID: **MBLK-R134986** Units: **µg/L** Analysis Date: **11/14/2016 08:25 AM**
Client ID: Run ID: **VMS1_161114A** SeqNo: **1397828** Prep Date: DF: **1**

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

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R134986** 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	52.99	0	*50*	0	*106*	*61-131*	0
Surr: Dibromofluoromethane	49.49	0	*50*	0	*99*	*87-126*	0
Surr: Toluene-d8	50.27	0	*50*	0	*101*	*84-111*	0

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R134986** Instrument ID: **VMS1** Method: **SW8260B**

LCS Sample ID: **LCS-R134986** Units: **µg/L** Analysis Date: **11/14/2016 08:55 AM**
Client ID: Run ID: **VMS1_161114A** SeqNo: **1397829** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.77	5.0	50	0	95.5	48.4-140	0			
1,1-Dichloroethene	45.67	5.0	50	0	91.3	45.5-150	0			
1,2-Dichloroethane	48.59	5.0	50	0	97.2	46.5-141	0			
1,3-Dichlorobenzene	39.16	5.0	50	0	78.3	42.5-133	0			
1,4-Dichlorobenzene	37.23	5.0	50	0	74.5	38.9-136	0			
Benzene	46.47	5.0	50	0	92.9	50.7-134	0			
Carbon tetrachloride	47.79	5.0	50	0	95.6	45.5-143	0			
Chlorobenzene	42.87	5.0	50	0	85.7	45-133	0			
Chloroform	49.47	5.0	50	0	98.9	52.4-136	0			
cis-1,2-Dichloroethene	47.65	5.0	50	0	95.3	49.7-138	0			
Ethylbenzene	42.72	5.0	50	0	85.4	37.8-145	0			
m,p-Xylene	84.62	5.0	100	0	84.6	25.1-163	0			
Methyl tert-butyl ether	46.86	5.0	50	0	93.7	26.7-174	0			
Styrene	44.63	5.0	50	0	89.3	26.3-172	0			
Tetrachloroethene	43.75	5.0	50	0	87.5	37.3-139	0			
Toluene	44.56	5.0	50	0	89.1	44-135	0			
Trichloroethene	45.34	5.0	50	0	90.7	45.9-140	0			
Xylenes, Total	127.4	10	150	0	84.9	47.3-132	0			
Surr: 4-Bromofluorobenzene	49.89	0	*50*	0	*99.8*	*61-131*	0			
Surr: Dibromofluoromethane	51.76	0	*50*	0	*104*	*87-126*	0			
Surr: Toluene-d8	50.27	0	*50*	0	*101*	*84-111*	0			

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R134986** Instrument ID: **VMS1** Method: **SW8260B**

MS Sample ID: **1611412-01B MS** Units: **µg/L** Analysis Date: **11/14/2016 09:25 AM**
Client ID: Run ID: **VMS1_161114A** SeqNo: **1397830** 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	48.7	5.0	50	0	97.4	40.4-134	0			
1,1-Dichloroethene	46	5.0	50	0	92	45.3-151	0			
1,2-Dichloroethane	44.71	5.0	50	0	89.4	37-139	0			
1,3-Dichlorobenzene	42.95	5.0	50	0	85.9	42.9-121	0			
1,4-Dichlorobenzene	40.63	5.0	50	0	81.3	53.4-129	0			
Benzene	46.02	5.0	50	0	92	37.4-144	0			
Carbon tetrachloride	49.52	5.0	50	0	99	33.8-150	0			
Chlorobenzene	44.61	5.0	50	0	89.2	52.4-132	0			
Chloroform	47.24	5.0	50	0	94.5	45.5-135	0			
cis-1,2-Dichloroethene	45.57	5.0	50	0	91.1	35.2-150	0			
Ethylbenzene	45.79	5.0	50	0	91.6	46.5-146	0			
m,p-Xylene	90.09	5.0	100	0	90.1	38.2-167	0			
Styrene	47.14	5.0	50	0	94.3	20.9-184	0			
Tetrachloroethene	47.82	5.0	50	0	95.6	55.2-134	0			
Toluene	46.15	5.0	50	0	92.3	32.7-140	0			
Trichloroethene	46.66	5.0	50	0	93.3	29.1-153	0			
Xylenes, Total	135.4	10	150	0	90.2	43.6-148	0			
Surr: 4-Bromofluorobenzene	49.84	0	*50*	0	*99.7*	*61-131*	0			
Surr: Dibromofluoromethane	51.15	0	*50*	0	*102*	*87-126*	0			
Surr: Toluene-d8	50.79	0	*50*	0	*102*	*84-111*	0			

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R134986** Instrument ID: **VMS1** Method: **SW8260B**

MSD Sample ID: **1611412-01B MSD** Units: **µg/L** Analysis Date: **11/14/2016 09:55 AM**
Client ID: Run ID: **VMS1_161114A** SeqNo: **1397831** 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	45.6	5.0	50	0	91.2	40.4-134	48.7	6.57	20	
1,1-Dichloroethene	43.51	5.0	50	0	87	45.3-151	46	5.56	20	
1,2-Dichloroethane	45.81	5.0	50	0	91.6	37-139	44.71	2.43	20	
1,3-Dichlorobenzene	35.66	5.0	50	0	71.3	42.9-121	42.95	18.5	20	
1,4-Dichlorobenzene	33.64	5.0	50	0	67.3	53.4-129	40.63	18.8	20	
Benzene	43.24	5.0	50	0	86.5	37.4-144	46.02	6.23	20	
Carbon tetrachloride	47.09	5.0	50	0	94.2	33.8-150	49.52	5.03	20	
Chlorobenzene	40.29	5.0	50	0	80.6	52.4-132	44.61	10.2	20	
Chloroform	46.01	5.0	50	0	92	45.5-135	47.24	2.64	20	
cis-1,2-Dichloroethene	43.53	5.0	50	0	87.1	35.2-150	45.57	4.58	21	
Ethylbenzene	40.01	5.0	50	0	80	46.5-146	45.79	13.5	20	
m,p-Xylene	79.27	5.0	100	0	79.3	38.2-167	90.09	12.8	20	
Styrene	41.8	5.0	50	0	83.6	20.9-184	47.14	12	20	
Tetrachloroethene	41.77	5.0	50	0	83.5	55.2-134	47.82	13.5	20	
Toluene	42.09	5.0	50	0	84.2	32.7-140	46.15	9.2	20	
Trichloroethene	43.34	5.0	50	0	86.7	29.1-153	46.66	7.38	20	
Xylenes, Total	119.3	10	150	0	79.5	43.6-148	135.4	12.6	20	
Surr: 4-Bromofluorobenzene	48.44	0	*50*	0	*96.9*	*61-131*	49.84	*2.85*		
Surr: Dibromofluoromethane	50.45	0	*50*	0	*101*	*87-126*	51.15	*1.38*		
Surr: Toluene-d8	51.05	0	*50*	0	*102*	*84-111*	50.79	*0.511*		

The following samples were analyzed in this batch: 1611246-01A 1611246-04A

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R135124** Instrument ID: **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R135124** Units: **µg/Kg** Analysis Date: **11/16/2016 05:23 PM**
Client ID: Run ID: **VMS2_161116B** SeqNo: **1400282** Prep Date: DF: **1**

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

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R135124** 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	46.42	0	*50*	0	*92.8*	*62.7-159*	0
Surr: Dibromofluoromethane	39.26	0	*50*	0	*78.5*	*67.3-136*	0
Surr: Toluene-d8	42.88	0	*50*	0	*85.8*	*83-124*	0

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

Client: Water Defense
Work Order: 1611246
Project: Tampa Fl Villages of Bloomingdale

QC BATCH REPORT

Batch ID: **R135124** Instrument ID: **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-R135124** Units: **µg/Kg** Analysis Date: **11/16/2016 05:54 PM**
Client ID: Run ID: **VMS2_161116B** SeqNo: **1400283** 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	43.47	5.0	50	0	86.9	53.6-149	0			
1,1-Dichloroethene	53.75	5.0	50	0	108	38.8-176	0			
1,2-Dichloroethane	47.1	5.0	50	0	94.2	54.4-145	0			
1,3-Dichlorobenzene	22.71	5.0	50	0	45.4	54.2-137	0			S
1,4-Dichlorobenzene	24.55	5.0	50	0	49.1	52.8-135	0			S
Benzene	55.2	5.0	50	0	110	56-148	0			
Carbon tetrachloride	35.7	5.0	50	0	71.4	51.9-151	0			
Chlorobenzene	48.83	5.0	50	0	97.7	55.4-137	0			
Chloroform	46.67	5.0	50	0	93.3	51.1-147	0			
cis-1,2-Dichloroethene	48.07	5.0	50	0	96.1	47.6-149	0			
Ethylbenzene	42.36	5.0	50	0	84.7	55.8-142	0			
m,p-Xylene	78.35	5.0	100	0	78.4	57.6-141	0			
Styrene	36.81	5.0	50	0	73.6	59.6-143	0			
Tetrachloroethene	37.71	5.0	50	0	75.4	56.2-160	0			
Toluene	42.64	5.0	50	0	85.3	56-143	0			
Trichloroethene	41.99	5.0	50	0	84	56.5-143	0			
Surr: 4-Bromofluorobenzene	56.97	0	*50*	0	*114*	*62.7-159*	0			
Surr: Dibromofluoromethane	44.88	0	*50*	0	*89.8*	*67.3-136*	0			
Surr: Toluene-d8	41.85	0	*50*	0	*83.7*	*83-124*	0			

The following samples were analyzed in this batch: 1611246-03A 1611246-06A 1611246-07A

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

ALS Environmental

Date: 22-Nov-16

Client: Water Defense
Project: Tampa Fl Villages of Bloomingdale
WorkOrder: **1611246**

QUALIFIERS, ACRONYMS, UNITS

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

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

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

ALS Environmental

Sample Receipt Checklist

Client Name: **WATERDEFENSE-HURLEYVUL** Date/Time Received: **05-Nov-16 10:15**

Work Order: **1611246** Received by: **SMS**

Checklist completed by: Rob Nieman (eSignature) 08-Nov-16 (Date) Reviewed by: Rob Nieman (eSignature) 08-Nov-16 (Date)

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☐	No ☑	
Chain of custody signed when relinquished and received?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.9		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action: