

June 17, 2016

Mr. Paul Lasek
Bloomfield, Township of-NJ
1 Municipal Plaza
Bloomfield, NJ 07003

Certificate of Analysis

Project Name: 2015-UCMR3	Workorder: 2139267
Purchase Order:	Workorder ID: UCMR3 (SE4)

Dear Mr. Lasek:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, April 26, 2016.

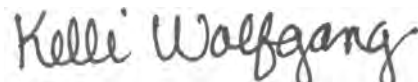
The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Kelli L Wolfgang (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Mrs. Kelli L Wolfgang
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 2139267 UCMR3 (SE4)

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2139267001	Max. Res. Time in Dist. System	Drinking Water	4/21/2016 11:45	4/26/2016 19:00	Collected by Client
2139267002	Field Blank MR	Drinking Water	4/21/2016 11:45	4/26/2016 19:00	Collected by Client
2139267003	NJEMS 07-227 - Bloomfield	Drinking Water	4/21/2016 12:11	4/26/2016 19:00	Collected by Client
2139267004	Field Blank EP	Drinking Water	4/21/2016 12:11	4/26/2016 19:00	Collected by Client
2139267005	Field Blank EP	Drinking Water	4/21/2016 12:11	4/26/2016 19:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 2139267 UCMR3 (SE4)

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 2139267 UCMR3 (SE4)

Workorder Comments

See attached subcontracted EPA 200.8 results from Eurofins IN. SSL 06/02/16

Sample Comments

Lab ID: 2139267005

Sample ID: Field Blank EP

Sample Type: SAMPLE

This sample was cancelled per project specifications.

ALS Environmental Laboratory Locations Across North America

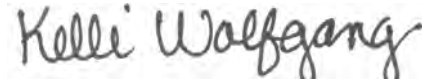
Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2139267 UCMR3 (SE4)

Lab ID: **2139267001** Date Collected: 4/21/2016 11:45 Matrix: Drinking Water
Sample ID: **Max. Res. Time in Dist. System** Date Received: 4/26/2016 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Chlorate	33.7		ug/L	20.0	EPA 300.1			5/2/16 07:51	JP	C
Hexavalent Chromium	ND		ug/L	0.030	EPA 218.7			4/27/16 10:26	MBW	B



Mrs. Kelli L Wolfgang
Project Coordinator

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ANALYTICAL RESULTS

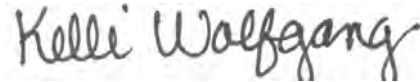
Workorder: 2139267 UCMR3 (SE4)

Lab ID: **2139267002** Date Collected: 4/21/2016 11:45 Matrix: Drinking Water
 Sample ID: **Field Blank MR** Date Received: 4/26/2016 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
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ADMINISTRATIVE

Sample Cancelled CANCELLED 6/16/16 14:45 SSL A



Mrs. Kelli L Wolfgang
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

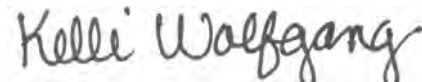
Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 2139267 UCMR3 (SE4)

Lab ID: **2139267003** Date Collected: 4/21/2016 12:11 Matrix: Drinking Water
Sample ID: **NJEMS 07-227 - Bloomfield** Date Received: 4/26/2016 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Bromochloromethane	ND		ug/L	0.060	EPA 524.3			4/30/16 12:51	CJG	D
Bromomethane	ND		ug/L	0.20	EPA 524.3			4/30/16 12:51	CJG	D
1,3-Butadiene	ND		ug/L	0.10	EPA 524.3			4/30/16 12:51	CJG	D
Chlorodifluoromethane	ND		ug/L	0.080	EPA 524.3			4/30/16 12:51	CJG	D
Chloromethane	ND		ug/L	0.20	EPA 524.3			4/30/16 12:51	CJG	D
1,1-Dichloroethane	ND		ug/L	0.030	EPA 524.3			4/30/16 12:51	CJG	D
1,2,3-Trichloropropane	ND		ug/L	0.030	EPA 524.3			4/30/16 12:51	CJG	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	101		%	70 - 130	EPA 524.3			4/30/16 12:51	CJG	D
4-Bromofluorobenzene (S)	107		%	70 - 130	EPA 524.3			4/30/16 12:51	CJG	D
Methyl-t-Butyl ether-d3 (S)	87.7		%	70 - 130	EPA 524.3			4/30/16 12:51	CJG	D
SEMIVOLATILES										
1,4-Dioxane	ND		ug/L	0.070	EPA 522	4/27/16 22:00	JEK	4/28/16 15:40	CGS	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,4-Dioxane-d8 (S)	94.1		%	70 - 130	EPA 522	4/27/16 22:00	JEK	4/28/16 15:40	CGS	B
WET CHEMISTRY										
Chlorate	34.7		ug/L	20.0	EPA 300.1			5/2/16 08:05	JP	A
Hexavalent Chromium	ND		ug/L	0.030	EPA 218.7			4/27/16 10:34	MBW	C
SUBCONTRACTED ANALYSIS										
Subcontracted Analysis	See Attached				Subcontract			5/18/16 14:06	SUB	



Mrs. Kelli L Wolfgang
Project Coordinator

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ANALYTICAL RESULTS

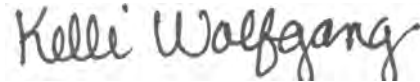
Workorder: 2139267 UCMR3 (SE4)

Lab ID: **2139267004** Date Collected: 4/21/2016 12:11 Matrix: Drinking Water
 Sample ID: **Field Blank EP** Date Received: 4/26/2016 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
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SUBCONTRACTED ANALYSIS

Subcontracted Analysis See Attached Subcontract 5/18/16 14:51 SUB



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ANALYTICAL RESULTS

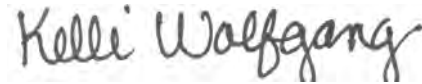
Workorder: 2139267 UCMR3 (SE4)

Lab ID: **2139267005** Date Collected: 4/21/2016 12:11 Matrix: Drinking Water
 Sample ID: **Field Blank EP** Date Received: 4/26/2016 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
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ADMINISTRATIVE

Sample Cancelled CANCEL 5/2/16 12:53 CPK



Mrs. Kelli L Wolfgang
 Project Coordinator

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CHAIN OF CUSTODY / UCMR-3

34 Dogwood Lane • Middletown, PA 17057 • (717) 944-5541 • FAX (717) 944-1430

All fields must be filled out. The information in the **Shaded Fields** is required for reporting your UCMR-3 results.

Public Water System Name: Bloomfield Water Department

Public Water System ID: NJ0702001 Schedule Event: SE4

Y N Initials Cooler Temp: °C

Cooler #: 1195
 Ship Carrier: UPS
 FedEx
 DHL

Tracking #	Collected	Facility ID
DBPMAX	4/21/16	15103 ANIMAL SHELTER
Field Blank MR	1195	N/A
CC005005	1211	ROXY'S FLOANST
Field Blank EP	1215	N/A
Field Blank EP	1215	N/A

Water Source Type	SW = Surface Water	GW = Ground Water	MX = any combination of types	Sample Point Type	MR = Distribution Sample at maximum residence time
SW = Surface	<input checked="" type="checkbox"/>			Check Only One per Sample Point	
N/A					
SW = Surface	<input checked="" type="checkbox"/>				
N/A					
N/A					

NUMBER OF CONTAINERS	List 1 - Assessment 524.30 5220 5370	List 2 - Screening Survey 5390	MR Sampling Metals 524.30 5370	Field Blank Metals 524.30 5370	Additional Information
3	Metals <input type="checkbox"/> Chlorate <input type="checkbox"/> C+60 <input type="checkbox"/>	List 2 - Screening Survey 5390 <input type="checkbox"/>	3	1	FB for Metals
9	Metals <input type="checkbox"/> Chlorate <input type="checkbox"/> C+60 <input type="checkbox"/>			3	FB for Metals and 537
2	Metals <input type="checkbox"/> Chlorate <input type="checkbox"/> C+60 <input type="checkbox"/>			2	FB for VOCs (HOLD)

Sample for EPA 537 vol
 require recalibrated
 537 blank
 were collected
 immediately
 KWW 05/05/16

SPECIAL INSTRUCTIONS/COMMENTS

Follow field blank instructions as listed on enclosed sampling sheets.

* 2 200ML bottles marked "DI w/ res for 537 (pg.)"

Relinquished by: Jason Fisher 4/27 312
 Received by: Allen Prokes KWW 05/05/16

INVOICE INFORMATION

P.O. #
 Bill To: (if different from above)
 Address:
 City State Zip:

RELINQUISHED BY:
 Printed Name: John Custody
 Signature: [Signature]
 Date/Time: 4/26/16
 Company: ALS

RECEIVED BY:
 Printed Name: Jason Fisher
 Signature: [Signature]
 Date/Time: 4/26/16
 Company: ALS

RELINQUISHED BY:
 Printed Name: Jason Fisher
 Signature: [Signature]
 Date/Time: 4/26/16
 Company: ALS

RECEIVED BY:
 Printed Name: Allen Prokes
 Signature: [Signature]
 Date/Time: 4/26/16
 Company: ALS





34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____
ALS Quote #: _____

Client Name: ALS MDT		Container Type: P		Receipt Information (completed by Receiving Lab)	
Address: 34 Dogwood Lane		Container Size: 500 mL		Cooler Temp: _____ Therm ID: _____	
Middletown PA, 17057		Preservative: HNO3		No. of Coolers: _____ Y _____ M _____ Initial _____	
Contact: Kelly Wolgast		ANALYSES/METHOD REQUESTED		Custody Seals Present? _____	
Phone#: 717-702-2248		Subcontract to: Eurofins		(If present) Seals Intact? _____	
Project Name#: Bloomfield Water Department		HOLD - Pending FP Results		Received on Ice? _____	
Bill To:		EPA 2008		COC Labels Complete/Accurate? _____	
TAT		Matrix		Cont. in Good Cond.? _____	
Normal-Standard TAT is 10-12 business days.		G or C		Correct Containers? _____	
Rush-Subject to ALS approval and surcharges.		Enter Number of Containers Per Sample or Field Results Below.		Correct Sample Volumes? _____	
Date Required: _____ Approved By: _____		1 2139267001		Correct Preservation? _____	
Email? <input checked="" type="checkbox"/> Y ALMDT.Subcontract@alsglobal.com		2 2139267002		Headspace/Volatiles? _____	
Fax? <input type="checkbox"/> Y No.:		3 2139267003		Counter/Tacking #: _____	
Sample Description/Location		4 2139267004		Sample/COC Comments	
(as it will appear on the lab report)		5 _____		Sample Point: DBP/MAX, Facility ID: 15103	
Sample Date		6 _____		Field Blank	
Sample Time		7 _____		Sample Point: CC005005, Facility ID: 05005	
1148A		8 _____		Field Blank	
1145A		9 _____		Schedule Event: SE4	
1211P		10 _____		ALS Field Services: _____ Pickup _____ Labor _____	
1215P		LOGGED BY (signature): _____		_____ Composite Sampling _____ Rental Equipment _____	
5		REVIEWED BY (signature): _____		_____ Other: _____	
6		Date		Special Processing	
7		Time		USACE <input type="checkbox"/> Navy <input type="checkbox"/>	
8		Date		State Samples Collected In	
9		Received By / Company Name		USACE <input type="checkbox"/> NY <input type="checkbox"/>	
10		Date		NJ <input type="checkbox"/> PA <input type="checkbox"/>	
Project Comments: Sample results MUST be uploaded to CDX website 120 days from sample collection.		Date		NC <input type="checkbox"/>	
1		Time		Sample Disposal	
3		Date		Lab <input type="checkbox"/> Special <input type="checkbox"/>	
5		Received By / Company Name		Reportable to PADEP?	
7		Date		Yes <input type="checkbox"/> No <input type="checkbox"/>	
9		Time		PWSID # NJ0702001	
Relinquished By / Company Name		Date		EDDS: Format Type: _____	
5/9/16 1050 2		Date		_____	
3		Time		_____	
5		Date		_____	
7		Time		_____	
9		Date		_____	

* G=Grab; C=Composite **Matrix - Air=Air, DW=Drinking Water, GW=Groundwater, Of=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wiper, WW=Wastewater
ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057
Rev 10/11



LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

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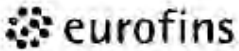
STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Montana	CERT0026
Alaska	IN00035	Nebraska	E87775
Arizona	AZ0432	Nevada	IN00035
Arkansas	IN00035	New Hampshire*	2124
California	2920	New Mexico	IN00035
Colorado	IN035	New Jersey*	IN598
Colorado Radiochemistry	IN035	New York*	11398
Connecticut	PH-0132	North Carolina	18700
Delaware	IN035	North Dakota	R-035
Florida*	E87775	Ohio	87775
Georgia	929	Oklahoma	D9508
Hawaii	IN035	Oregon (Primary AB)*	4074-001
Idaho	IN00035/E87775	Pennsylvania*	68-00466
Illinois*	200001	Puerto Rico	IN00035
Illinois Microbiology	200001	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-15-8
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA160002	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
Missouri	880		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 04/14/2016

Page 2 of 7



Eaton Analytical

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: ALS

Report: 363037

Attn: Kelli Wolfgang
34 Dogwood Lane
Middletown, PA 17057

Priority: Standard Written

Status: Final

Lab ID Code: IN00035

PWS ID: NJ0702001

PWS Facility Name: Consecutive Connection

PWS Facility ID: 05005

Sampling Point Name: NJEMS 07-227- Bloomfield

Sampling Point ID: CC005005

Sampling Point Type: EP

Sample Event Code: SE4

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3447565	2139267003	200.8	04/21/16 12:11	Client	05/12/16 12:00
3447566	2139267004 FTB	200.8	04/21/16 12:15	Client	05/12/16 12:00

Report Summary

Note: Sample containers were provided by the client.

Note: Per the US EPA, Field Blank data are not uploaded to SDWARs. The data is however to be maintained on site at the laboratory performing the analysis.

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Traci Chlebowski at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA.

Traci Chlebowski ASM

Authorized Signature

Title

05/24/2016

Date

Client Name: ALS

Report #: 363037

Page 1 of 3

Page 3 of 7

Client Name: ALS

Report #: 363037

Sampling Point Name: NJEMS 07-227- Bloomfield

PWS ID: NJ0702001

UCMR Assessment Monitoring

Analyte ID #	Analyte	Method	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
1020	Chromium	200.8	0.2	0.4	ug/L	05/17/16 13:30	05/18/16 14:06	3447565
1081	Cobalt	200.8	1.0	< 1.0	ug/L	05/17/16 13:30	05/18/16 14:06	3447565
1084	Molybdenum	200.8	1.0	< 1.0	ug/L	05/17/16 13:30	05/18/16 14:06	3447565
1051	Strontium	200.8	0.3	39	ug/L	05/17/16 13:30	05/18/16 14:06	3447565
1088	Vanadium	200.8	0.2	< 0.2	ug/L	05/17/16 13:30	05/18/16 14:06	3447565

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Sampling Point Name: FTB

PWS ID: NJ0702001

UCMR Assessment Monitoring

Analyte ID #	Analyte	Method	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
1020	Chromium	200.8	0.2	< 0.2	ug/L	05/17/16 13:30	05/18/16 15:03	3447566
1081	Cobalt	200.8	1.0	< 1.0	ug/L	05/17/16 13:30	05/18/16 14:51	3447566
1084	Molybdenum	200.8	1.0	< 1.0	ug/L	05/17/16 13:30	05/18/16 14:51	3447566
1051	Strontium	200.8	0.3	< 0.3	ug/L	05/17/16 13:30	05/18/16 14:51	3447566
1088	Vanadium	200.8	0.2	< 0.2	ug/L	05/17/16 13:30	05/18/16 14:51	3447566

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.



34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

24118

COC #: 363037
ALS Quote #:

1 of 1

Client Name: ALS-MDT
Address: 34 Dogwood Lane
Middletown PA 17057
Contact: Kelli Wolfgang
Phone#: 717-702-2248
Project Name#: Bloomfield Water Department
Bill To:

TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
Date Required: _____ Approved By: _____
Email? -Y ALMDT.Subcontract@alsglobal.com
Fax? -Y No:

Sample Description/Location <small>(as it will appear on the lab report)</small>	Sample Date	Time	G or C	Matrix	EPA 200.8	HOLD #: Pending EP Results	Subcontract to:	Eurofins	110 S. Hill Street South Bend, IN 46617	ANALYSES/METHOD REQUESTED	
										Enter Number of Containers Per Sample or Field Results Below.	Sample/COC Comments
1 2139267001 Sep. Batch	4/21/2016	1148A	G	DW	1						Sample Point: DBP/MAX, Facility ID: 15103 Field Blank
2 2139267002 555016	4/21/2016	1145A	G	DW	1	X					Sample Point: CC005005, Facility ID: 05005 Field Blank
3 2139267003 3447565	4/21/2016	1211P	G	DW	1						
4 2139267004 3447566	4/21/2016	1215P	G	DW	1	X					
5											
6											
7											
8											
9											
10											

Project Comments: Sample results MUST be uploaded to CDX website 120 days from sample collection.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<i>[Signature]</i>	5/9/16	1650	<i>[Signature]</i>	5/13/16	1201

LOGGED BY (signature): _____
REVIEWED BY (signature): _____

Standard	Special Processing	State Samples Collected In
<input type="checkbox"/> Standard	USACE <input type="checkbox"/>	NY <input type="checkbox"/>
<input type="checkbox"/> CUP-like	Navy <input type="checkbox"/>	NJ <input type="checkbox"/>
<input type="checkbox"/> USACE		PA <input type="checkbox"/>
<input type="checkbox"/>		NC <input type="checkbox"/>

Reportable to PADEP? Yes No
PWSID # NJ0702001
EDDS: Format Type: _____

Receipt Information (completed by Receiving Lab)
Cooler Temp: N/A Therm ID: _____
No. of Coolers: _____ Y _____ N _____ Initial _____
Custody Seals Present? _____
(if present) Seals Intact? _____
Received on Ice? _____
COCLabels Complete/Accurate? _____
Cont. in Good Cond.? _____
Correct Containers? _____
Correct Sample Volumes? _____
Correct Preservation? _____
Headspace/Volatiles? _____
Counter/Tracking #: _____
Sample/COC Comments: _____

ALS Field Services: _____ Pickup _____ Labor _____
_____ Composite Sampling _____ Rental Equipment _____
Schedule Event: SE4

