



Pace Analytical Services, LLC
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 08, 2017

Mr. John Bryant
SCDHEC
UST Program
2600 Bull Street
Columbia, SC 29201

RE: Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Dear Mr. Bryant:

Enclosed are the analytical results for sample(s) received by the laboratory on March 01, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Trey Carter
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Ashleigh Thrash, SCHDEC



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

173B-AST



CERTIFICATIONS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92331686001	SW-1	Water	02/28/17 14:20	03/01/17 10:06
92331686002	SW-2	Water	02/28/17 14:17	03/01/17 10:06
92331686003	SW-3	Water	02/28/17 14:50	03/01/17 10:06
92331686004	SW-10	Water	02/28/17 13:45	03/01/17 10:06
92331686005	SW-11	Water	02/28/17 13:30	03/01/17 10:06
92331686006	SW-12	Water	02/28/17 14:40	03/01/17 10:06
92331686007	SW-100	Water	02/28/17 15:00	03/01/17 10:06
92331686008	SW-101	Water	02/28/17 13:45	03/01/17 10:06
92331686009	SW-102	Water	02/28/17 13:20	03/01/17 10:06
92331686010	SW-103	Water	02/28/17 12:24	03/01/17 10:06
92331686011	SW-104	Water	02/28/17 12:05	03/01/17 10:06
92331686012	SW-105	Water	02/28/17 13:00	03/01/17 10:06
92331686013	SW-106	Water	02/28/17 11:20	03/01/17 10:06
92331686014	SW-107	Water	02/28/17 11:54	03/01/17 10:06
92331686015	SW-108	Water	02/28/17 11:45	03/01/17 10:06
92331686016	SW-109	Water	02/28/17 11:15	03/01/17 10:06
92331686017	SW-110	Water	02/28/17 10:50	03/01/17 10:06
92331686018	SW-111	Water	02/28/17 10:30	03/01/17 10:06
92331686019	SW-112	Water	02/28/17 10:37	03/01/17 10:06
92331686020	SW-113	Water	02/28/17 10:55	03/01/17 10:06
92331686021	SW-114	Water	02/28/17 10:21	03/01/17 10:06
92331686022	SW-115	Water	02/28/17 10:05	03/01/17 10:06
92331686023	SW-116	Water	02/28/17 10:00	03/01/17 10:06
92331686024	DUP1	Water	02/28/17 14:40	03/01/17 10:06
92331686025	DUP2	Water	02/28/17 10:50	03/01/17 10:06
92331686026	FIELD BLANK	Water	02/28/17 15:20	03/01/17 10:06
92331686027	TRIP BLANK	Water	02/28/17 00:00	03/01/17 10:06

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92331686001	SW-1	EPA 8260	CAH	20	PASI-C
92331686002	SW-2	EPA 8260	CAH	20	PASI-C
92331686003	SW-3	EPA 8260	CAH	20	PASI-C
92331686004	SW-10	EPA 8260	CAH	20	PASI-C
92331686005	SW-11	EPA 8260	CAH	20	PASI-C
92331686006	SW-12	EPA 8260	CAH	20	PASI-C
92331686007	SW-100	EPA 8260	CAH	20	PASI-C
92331686008	SW-101	EPA 8260	CAH	20	PASI-C
92331686009	SW-102	EPA 8260	CAH	20	PASI-C
92331686010	SW-103	EPA 8260	CAH	20	PASI-C
92331686011	SW-104	EPA 8260	CAH	20	PASI-C
92331686012	SW-105	EPA 8260	CAH	20	PASI-C
92331686013	SW-106	EPA 8260	CAH	20	PASI-C
92331686014	SW-107	EPA 8260	CAH	20	PASI-C
92331686015	SW-108	EPA 8260	CAH	20	PASI-C
92331686016	SW-109	EPA 8260	CAH	20	PASI-C
92331686017	SW-110	EPA 8260	CAH	20	PASI-C
92331686018	SW-111	EPA 8260	CAH	20	PASI-C
92331686019	SW-112	EPA 8260	CAH	20	PASI-C
92331686020	SW-113	EPA 8260	CAH	20	PASI-C
92331686021	SW-114	EPA 8260	CAH	20	PASI-C
92331686022	SW-115	EPA 8260	CAH	20	PASI-C
92331686023	SW-116	EPA 8260	CAH	20	PASI-C
92331686024	DUP1	EPA 8260	CAH	20	PASI-C
92331686025	DUP2	EPA 8260	CAH	20	PASI-C
92331686026	FIELD BLANK	EPA 8260	GAW	20	PASI-C
92331686027	TRIP BLANK	EPA 8260	GAW	20	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92331686001	SW-1					
EPA 8260	tert-Amylmethyl ether	1.5J	ug/L	10.0	03/04/17 07:02	M1
EPA 8260	Benzene	21.6	ug/L	1.0	03/04/17 07:02	
EPA 8260	tert-Butyl Alcohol	4.3J	ug/L	100	03/04/17 07:02	
EPA 8260	Diisopropyl ether	4.9	ug/L	1.0	03/04/17 07:02	
EPA 8260	Ethylbenzene	2.0	ug/L	1.0	03/04/17 07:02	
EPA 8260	Methyl-tert-butyl ether	1.6	ug/L	1.0	03/04/17 07:02	
EPA 8260	Naphthalene	0.44J	ug/L	1.0	03/04/17 07:02	M1
EPA 8260	Toluene	37.9	ug/L	1.0	03/04/17 07:02	M1
EPA 8260	Xylene (Total)	22.9	ug/L	1.0	03/04/17 07:02	MS
EPA 8260	m&p-Xylene	13.4	ug/L	2.0	03/04/17 07:02	M1
EPA 8260	o-Xylene	9.5	ug/L	1.0	03/04/17 07:02	
92331686002	SW-2					
EPA 8260	tert-Amylmethyl ether	1.7J	ug/L	10.0	03/04/17 07:20	
EPA 8260	Benzene	11.6	ug/L	1.0	03/04/17 07:20	
EPA 8260	tert-Butyl Alcohol	4.3J	ug/L	100	03/04/17 07:20	
EPA 8260	Diisopropyl ether	5.2	ug/L	1.0	03/04/17 07:20	
EPA 8260	Ethylbenzene	0.76J	ug/L	1.0	03/04/17 07:20	
EPA 8260	Methyl-tert-butyl ether	2.2	ug/L	1.0	03/04/17 07:20	
EPA 8260	Naphthalene	0.29J	ug/L	1.0	03/04/17 07:20	
EPA 8260	Toluene	11.9	ug/L	1.0	03/04/17 07:20	
EPA 8260	Xylene (Total)	10.8	ug/L	1.0	03/04/17 07:20	
EPA 8260	m&p-Xylene	5.5	ug/L	2.0	03/04/17 07:20	
EPA 8260	o-Xylene	5.3	ug/L	1.0	03/04/17 07:20	
92331686006	SW-12					
EPA 8260	tert-Amylmethyl ether	1.8J	ug/L	10.0	03/04/17 13:02	
EPA 8260	Benzene	67.9	ug/L	1.0	03/04/17 13:02	M1
EPA 8260	tert-Butyl Alcohol	4.5J	ug/L	100	03/04/17 13:02	M1
EPA 8260	Diisopropyl ether	5.7	ug/L	1.0	03/04/17 13:02	M1
EPA 8260	Ethylbenzene	9.0	ug/L	1.0	03/04/17 13:02	M1
EPA 8260	Methyl-tert-butyl ether	1.3	ug/L	1.0	03/04/17 13:02	
EPA 8260	Naphthalene	1.2	ug/L	1.0	03/04/17 13:02	
EPA 8260	Toluene	145	ug/L	1.0	03/04/17 13:02	
EPA 8260	Xylene (Total)	57.2	ug/L	1.0	03/04/17 13:02	MS
EPA 8260	m&p-Xylene	37.6	ug/L	2.0	03/04/17 13:02	M1
EPA 8260	o-Xylene	19.7	ug/L	1.0	03/04/17 13:02	M1
92331686011	SW-104					
EPA 8260	Toluene	1.1	ug/L	1.0	03/04/17 14:44	
92331686024	DUP1					
EPA 8260	tert-Amyl Alcohol	50.5J	ug/L	100	03/04/17 18:25	
EPA 8260	tert-Amylmethyl ether	2.1J	ug/L	10.0	03/04/17 18:25	
EPA 8260	Benzene	89.0	ug/L	1.0	03/04/17 18:25	
EPA 8260	tert-Butyl Alcohol	5.9J	ug/L	100	03/04/17 18:25	
EPA 8260	Diisopropyl ether	7.1	ug/L	1.0	03/04/17 18:25	
EPA 8260	Ethylbenzene	11.5	ug/L	1.0	03/04/17 18:25	
EPA 8260	Methyl-tert-butyl ether	1.5	ug/L	1.0	03/04/17 18:25	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92331686024	DUP1					
EPA 8260	Naphthalene	1.6	ug/L	1.0	03/04/17 18:25	
EPA 8260	Toluene	186	ug/L	1.0	03/04/17 18:25	
EPA 8260	Xylene (Total)	73.1	ug/L	1.0	03/04/17 18:25	
EPA 8260	m&p-Xylene	47.7	ug/L	2.0	03/04/17 18:25	
EPA 8260	o-Xylene	25.5	ug/L	1.0	03/04/17 18:25	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

PROJECT NARRATIVE

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Method: EPA 8260
Description: 8260 MSV Low Level SC
Client: SCDHEC
Date: May 08, 2017

General Information:

27 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (Including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 356031

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 1974986)
- tert-Butyl Formate

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 356026

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92331686001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1974957)
- Naphthalene
- Toluene
- m&p-Xylene
- tert-Amylmethyl ether
- tert-Butyl Formate

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

PROJECT NARRATIVE

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Method: EPA 8260

Description: 8260 MSV Low Level SC

Client: SCDHEC

Date: May 08, 2017

QC Batch: 356026

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92331686001

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 1974957)
- tert-Butyl Formate

QC Batch: 356031

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92331686006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1974987)
- tert-Butyl Formate

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1974987)
- Benzene
- Diisopropyl ether
- Ethylbenzene
- m&p-Xylene
- o-Xylene
- tert-Butyl Alcohol

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 1974987)
- tert-Butyl Formate

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 356031

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1974987)
- Toluene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-1 Lab ID: 92331686001 Collected: 02/28/17 14:20 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 07:02	75-85-4	
tert-Amylmethyl ether	1.5J	ug/L	10.0	0.10	1		03/04/17 07:02	994-05-8	M1
Benzene	21.6	ug/L	1.0	0.25	1		03/04/17 07:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 07:02	624-95-3	
tert-Butyl Alcohol	4.3J	ug/L	100	3.6	1		03/04/17 07:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 07:02	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 07:02	107-06-2	
Diisopropyl ether	4.9	ug/L	1.0	0.12	1		03/04/17 07:02	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 07:02	64-17-5	
Ethylbenzene	2.0	ug/L	1.0	0.30	1		03/04/17 07:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 07:02	637-92-3	
Methyl-tert-butyl ether	1.6	ug/L	1.0	0.21	1		03/04/17 07:02	1634-04-4	
Naphthalene	0.44J	ug/L	1.0	0.24	1		03/04/17 07:02	91-20-3	M1
Toluene	37.9	ug/L	1.0	0.26	1		03/04/17 07:02	108-88-3	M1
Xylene (Total)	22.9	ug/L	1.0	0.66	1		03/04/17 07:02	1330-20-7	MS
m&p-Xylene	13.4	ug/L	2.0	0.66	1		03/04/17 07:02	179601-23-1	M1
o-Xylene	9.5	ug/L	1.0	0.23	1		03/04/17 07:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 07:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 07:02	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		03/04/17 07:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-2 Lab ID: 92331686002 Collected: 02/28/17 14:17 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 07:20	75-85-4	
tert-Amylmethyl ether	1.7J	ug/L	10.0	0.10	1		03/04/17 07:20	994-05-8	
Benzene	11.6	ug/L	1.0	0.25	1		03/04/17 07:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 07:20	624-95-3	
tert-Butyl Alcohol	4.3J	ug/L	100	3.6	1		03/04/17 07:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 07:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 07:20	107-06-2	
Diisopropyl ether	5.2	ug/L	1.0	0.12	1		03/04/17 07:20	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 07:20	64-17-5	
Ethylbenzene	0.76J	ug/L	1.0	0.30	1		03/04/17 07:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 07:20	637-92-3	
Methyl-tert-butyl ether	2.2	ug/L	1.0	0.21	1		03/04/17 07:20	1634-04-4	
Naphthalene	0.29J	ug/L	1.0	0.24	1		03/04/17 07:20	91-20-3	
Toluene	11.9	ug/L	1.0	0.26	1		03/04/17 07:20	108-88-3	
Xylene (Total)	10.8	ug/L	1.0	0.66	1		03/04/17 07:20	1330-20-7	
m&p-Xylene	5.5	ug/L	2.0	0.66	1		03/04/17 07:20	179601-23-1	
o-Xylene	5.3	ug/L	1.0	0.23	1		03/04/17 07:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 07:20	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 07:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 07:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-3 Lab ID: 92331686003 Collected: 02/28/17 14:50 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 07:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 07:54	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 07:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 07:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 07:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 07:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 07:54	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 07:54	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 07:54	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 07:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 07:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 07:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 07:54	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 07:54	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 07:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 07:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 07:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 07:54	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		03/04/17 07:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		03/04/17 07:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-10 Lab ID: 92331686004 Collected: 02/28/17 13:45 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 08:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 08:11	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 08:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 08:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 08:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 08:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 08:11	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 08:11	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 08:11	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 08:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 08:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 08:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 08:11	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 08:11	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 08:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 08:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 08:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/04/17 08:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		03/04/17 08:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		03/04/17 08:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-11 Lab ID: 92331686005 Collected: 02/28/17 13:30 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 08:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 08:28	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 08:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 08:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 08:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 08:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 08:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 08:28	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 08:28	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 08:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 08:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 08:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 08:28	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 08:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 08:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 08:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 08:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 08:28	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 08:28	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		03/04/17 08:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-12 Lab ID: 92331686006 Collected: 02/28/17 14:40 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 13:02	75-85-4	
tert-Amylmethyl ether	1.8J	ug/L	10.0	0.10	1		03/04/17 13:02	994-05-8	
Benzene	67.9	ug/L	1.0	0.25	1		03/04/17 13:02	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 13:02	624-95-3	
tert-Butyl Alcohol	4.5J	ug/L	100	3.6	1		03/04/17 13:02	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 13:02	762-75-4	L1,M0
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 13:02	107-06-2	
Diisopropyl ether	5.7	ug/L	1.0	0.12	1		03/04/17 13:02	108-20-3	M1
Ethanol	ND	ug/L	200	131	1		03/04/17 13:02	64-17-5	
Ethylbenzene	9.0	ug/L	1.0	0.30	1		03/04/17 13:02	100-41-4	M1
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 13:02	637-92-3	
Methyl-tert-butyl ether	1.3	ug/L	1.0	0.21	1		03/04/17 13:02	1634-04-4	
Naphthalene	1.2	ug/L	1.0	0.24	1		03/04/17 13:02	91-20-3	
Toluene	145	ug/L	1.0	0.26	1		03/04/17 13:02	108-88-3	
Xylene (Total)	57.2	ug/L	1.0	0.66	1		03/04/17 13:02	1330-20-7	MS
m&p-Xylene	37.6	ug/L	2.0	0.66	1		03/04/17 13:02	179601-23-1	M1
o-Xylene	19.7	ug/L	1.0	0.23	1		03/04/17 13:02	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 13:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 13:02	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		03/04/17 13:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-100 **Lab ID: 92331686007** Collected: 02/28/17 15:00 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 13:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 13:19	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 13:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 13:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 13:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 13:19	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 13:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 13:19	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 13:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 13:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 13:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 13:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 13:19	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 13:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 13:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 13:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 13:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 13:19	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		03/04/17 13:19	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 13:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-101 Lab ID: 92331686008 Collected: 02/28/17 13:45 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 13:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 13:53	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 13:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 13:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 13:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 13:53	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 13:53	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 13:53	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 13:53	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 13:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 13:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 13:53	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 13:53	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 13:53	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 13:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 13:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 13:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 13:53	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 13:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 13:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-102 Lab ID: 92331686009 Collected: 02/28/17 13:20 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 14:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 14:10	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 14:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 14:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 14:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 14:10	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 14:10	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 14:10	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 14:10	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 14:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 14:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 14:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 14:10	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 14:10	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 14:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 14:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 14:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 14:10	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		03/04/17 14:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-103 Lab ID: 92331686010 Collected: 02/28/17 12:24 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 14:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 14:27	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 14:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 14:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 14:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 14:27	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 14:27	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 14:27	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 14:27	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 14:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 14:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 14:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 14:27	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 14:27	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 14:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 14:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 14:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 14:27	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		03/04/17 14:27	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		03/04/17 14:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-104 Lab ID: 92331686011 Collected: 02/28/17 12:05 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 14:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 14:44	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 14:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 14:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 14:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 14:44	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 14:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 14:44	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 14:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 14:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 14:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 14:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 14:44	91-20-3	
Toluene	1.1	ug/L	1.0	0.26	1		03/04/17 14:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 14:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 14:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 14:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 14:44	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 14:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 14:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-105 Lab ID: 92331686012 Collected: 02/28/17 13:00 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 15:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 15:01	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 15:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 15:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 15:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 15:01	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 15:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 15:01	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 15:01	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 15:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 15:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 15:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 15:01	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 15:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 15:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 15:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 15:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 15:01	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 15:01	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 15:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Sample: SW-106		Lab ID: 92331686013		Collected: 02/28/17 11:20		Received: 03/01/17 10:06		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 15:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 15:18	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 15:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 15:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 15:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 15:18	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 15:18	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 15:18	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 15:18	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 15:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 15:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 15:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 15:18	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 15:18	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 15:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 15:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 15:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 15:18	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		03/04/17 15:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 15:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-107 Lab ID: 92331686014 Collected: 02/28/17 11:54 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 15:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 15:35	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 15:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 15:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 15:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 15:35	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 15:35	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 15:35	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 15:35	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 15:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 15:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 15:35	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 15:35	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 15:35	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 15:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 15:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 15:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 15:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 15:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 15:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Sample: SW-108 Lab ID: 92331686015 Collected: 02/28/17 11:45 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 15:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 15:52	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 15:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 15:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 15:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 15:52	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 15:52	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 15:52	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 15:52	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 15:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 15:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 15:52	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 15:52	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 15:52	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 15:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 15:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 15:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 15:52	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 15:52	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		03/04/17 15:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-109 Lab ID: 92331686016 Collected: 02/28/17 11:15 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 16:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 16:09	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 16:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 16:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 16:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 16:09	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 16:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 16:09	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 16:09	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 16:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 16:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 16:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 16:09	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 16:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 16:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 16:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 16:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 16:09	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 16:09	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 16:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: SW-110 Lab ID: 92331686017 Collected: 02/28/17 10:50 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 16:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 16:26	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 16:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 16:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 16:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 16:26	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 16:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 16:26	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 16:26	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 16:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 16:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 16:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 16:26	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 16:26	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 16:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 16:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 16:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 16:26	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 16:26	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		03/04/17 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-111 Lab ID: 92331686018 Collected: 02/28/17 10:30 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 16:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 16:43	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 16:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 16:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 16:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 16:43	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 16:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 16:43	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 16:43	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 16:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 16:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 16:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 16:43	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 16:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 16:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 16:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 16:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 16:43	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 16:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Sample Project No.: 92331686

Sample: SW-112 Lab ID: 92331686019 Collected: 02/28/17 10:37 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 17:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 17:00	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 17:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 17:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 17:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 17:00	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 17:00	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 17:00	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 17:00	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 17:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 17:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 17:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 17:00	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 17:00	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 17:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 17:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 17:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 17:00	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		03/04/17 17:00	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 17:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-113 Lab ID: 92331686020 Collected: 02/28/17 10:55 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 17:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 17:17	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 17:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 17:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 17:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 17:17	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 17:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 17:17	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 17:17	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 17:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 17:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 17:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 17:17	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 17:17	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 17:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 17:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 17:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 17:17	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		03/04/17 17:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-114 **Lab ID: 92331686021** Collected: 02/28/17 10:21 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 17:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 17:35	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 17:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 17:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 17:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 17:35	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 17:35	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 17:35	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 17:35	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 17:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 17:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 17:35	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 17:35	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 17:35	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 17:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 17:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 17:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 17:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 17:35	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		03/04/17 17:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-115 Lab ID: 92331686022 Collected: 02/28/17 10:05 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 17:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 17:52	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 17:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 17:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 17:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 17:52	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 17:52	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 17:52	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 17:52	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 17:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 17:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 17:52	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 17:52	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 17:52	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 17:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 17:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 17:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/04/17 17:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		03/04/17 17:52	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		03/04/17 17:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: SW-116 Lab ID: 92331686023 Collected: 02/28/17 10:00 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 18:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 18:09	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 18:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 18:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 18:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 18:09	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 18:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 18:09	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 18:09	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 18:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 18:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 18:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 18:09	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 18:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 18:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 18:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 18:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 18:09	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		03/04/17 18:09	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 18:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Sample: **DUP1** Lab ID: **92331686024** Collected: 02/28/17 14:40 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	50.5J	ug/L	100	50.0	1		03/04/17 18:25	75-85-4	
tert-Amylmethyl ether	2.1J	ug/L	10.0	0.10	1		03/04/17 18:25	994-05-8	
Benzene	89.0	ug/L	1.0	0.25	1		03/04/17 18:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 18:25	624-95-3	
tert-Butyl Alcohol	5.9J	ug/L	100	3.6	1		03/04/17 18:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 18:25	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 18:25	107-06-2	
Diisopropyl ether	7.1	ug/L	1.0	0.12	1		03/04/17 18:25	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 18:25	64-17-5	
Ethylbenzene	11.5	ug/L	1.0	0.30	1		03/04/17 18:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 18:25	637-92-3	
Methyl-tert-butyl ether	1.5	ug/L	1.0	0.21	1		03/04/17 18:25	1634-04-4	
Naphthalene	1.6	ug/L	1.0	0.24	1		03/04/17 18:25	91-20-3	
Toluene	186	ug/L	1.0	0.26	1		03/04/17 18:25	108-88-3	
Xylene (Total)	73.1	ug/L	1.0	0.66	1		03/04/17 18:25	1330-20-7	
m&p-Xylene	47.7	ug/L	2.0	0.66	1		03/04/17 18:25	179601-23-1	
o-Xylene	25.5	ug/L	1.0	0.23	1		03/04/17 18:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		03/04/17 18:25	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		03/04/17 18:25	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 18:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Sample: DUP2 Lab ID: 92331686025 Collected: 02/28/17 10:50 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/04/17 18:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/04/17 18:43	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/04/17 18:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/04/17 18:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/04/17 18:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/04/17 18:43	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/04/17 18:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/04/17 18:43	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/04/17 18:43	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/04/17 18:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/04/17 18:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/04/17 18:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/04/17 18:43	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/04/17 18:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/04/17 18:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/04/17 18:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/04/17 18:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/04/17 18:43	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		03/04/17 18:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		03/04/17 18:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

Sample: **FIELD BLANK** Lab ID: **92331686026** Collected: 02/28/17 15:20 Received: 03/01/17 10:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/03/17 14:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/03/17 14:33	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/03/17 14:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/03/17 14:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/03/17 14:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/03/17 14:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/03/17 14:33	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/03/17 14:33	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/03/17 14:33	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/03/17 14:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/03/17 14:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/03/17 14:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/03/17 14:33	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/03/17 14:33	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/03/17 14:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/03/17 14:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/03/17 14:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/03/17 14:33	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		03/03/17 14:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		03/03/17 14:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

Sample: TRIP BLANK		Lab ID: 92331686027		Collected: 02/28/17 00:00		Received: 03/01/17 10:06		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		03/03/17 14:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		03/03/17 14:48	994-05-8	
Benzene	ND	ug/L	1.0	0.25	1		03/03/17 14:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		03/03/17 14:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		03/03/17 14:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		03/03/17 14:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		03/03/17 14:48	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		03/03/17 14:48	108-20-3	
Ethanol	ND	ug/L	200	131	1		03/03/17 14:48	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/03/17 14:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		03/03/17 14:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		03/03/17 14:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		03/03/17 14:48	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		03/03/17 14:48	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.66	1		03/03/17 14:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/03/17 14:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/03/17 14:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/03/17 14:48	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		03/03/17 14:48	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		03/03/17 14:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

QC Batch: 356026 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92331686001, 92331686002, 92331686003, 92331686004, 92331686005

METHOD BLANK: 1974955 Matrix: Water
Associated Lab Samples: 92331686001, 92331686002, 92331686003, 92331686004, 92331686005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.24	03/04/17 01:03	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	50.0	03/04/17 01:03	
Benzene	ug/L	ND	1.0	0.25	03/04/17 01:03	
Diisopropyl ether	ug/L	ND	1.0	0.12	03/04/17 01:03	
Ethanol	ug/L	ND	200	131	03/04/17 01:03	
Ethyl-tert-butyl ether	ug/L	ND	10.0	0.070	03/04/17 01:03	
Ethylbenzene	ug/L	ND	1.0	0.30	03/04/17 01:03	
m&p-Xylene	ug/L	ND	2.0	0.66	03/04/17 01:03	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	03/04/17 01:03	
Naphthalene	ug/L	ND	1.0	0.24	03/04/17 01:03	
o-Xylene	ug/L	ND	1.0	0.23	03/04/17 01:03	
tert-Amyl Alcohol	ug/L	ND	100	50.0	03/04/17 01:03	
tert-Amylmethyl ether	ug/L	ND	10.0	0.10	03/04/17 01:03	
tert-Butyl Alcohol	ug/L	ND	100	3.6	03/04/17 01:03	
tert-Butyl Formate	ug/L	ND	50.0	1.9	03/04/17 01:03	
Toluene	ug/L	ND	1.0	0.26	03/04/17 01:03	
Xylene (Total)	ug/L	ND	1.0	0.66	03/04/17 01:03	
1,2-Dichloroethane-d4 (S)	%	106	70-130		03/04/17 01:03	
4-Bromofluorobenzene (S)	%	95	70-130		03/04/17 01:03	
Toluene-d8 (S)	%	102	70-130		03/04/17 01:03	

LABORATORY CONTROL SAMPLE: 1974956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.0	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Benzene	ug/L	50	50.5	101	70-130	
Diisopropyl ether	ug/L	50	50.8	102	70-130	
Ethanol	ug/L	2000	1810	90	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	48.4	97	70-130	
m&p-Xylene	ug/L	100	95.8	96	70-130	
Methyl-tert-butyl ether	ug/L	50	53.0	106	70-130	
Naphthalene	ug/L	50	49.0	98	70-130	
o-Xylene	ug/L	50	48.1	96	70-130	
tert-Amyl Alcohol	ug/L	1000	998	100	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	446	89	70-130	
tert-Butyl Formate	ug/L	400	500	125	70-130	
Toluene	ug/L	50	49.1	98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

LABORATORY CONTROL SAMPLE: 1974956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	144	96	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1974957

Parameter	Units	92331686001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	14.6	73	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	294	74	70-130	
Benzene	ug/L	21.6	20	35.9	71	70-130	
Diisopropyl ether	ug/L	4.9	20	19.8	75	70-130	
Ethanol	ug/L	ND	800	605	76	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	29.8	74	70-130	
Ethylbenzene	ug/L	2.0	20	16.2	71	70-130	
m&p-Xylene	ug/L	13.4	40	40.6	68	70-130	M1
Methyl-tert-butyl ether	ug/L	1.6	20	16.7	76	70-130	
Naphthalene	ug/L	0.44J	20	14.1	68	70-130	M1
o-Xylene	ug/L	9.5	20	23.6	70	70-130	
tert-Amyl Alcohol	ug/L	ND	400	340	78	70-130	
tert-Amylmethyl ether	ug/L	1.5J	40	29.2	69	70-130	M1
tert-Butyl Alcohol	ug/L	4.3J	200	218	107	70-130	
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	M1,P5
Toluene	ug/L	37.9	20	51.2	66	70-130	M1
1,2-Dichloroethane-d4 (S)	%				108	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1974958

Parameter	Units	92331686002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	11.6	9.8	17	30	
Diisopropyl ether	ug/L	5.2	4.9	6	30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	0.76J	0.66J		30	
m&p-Xylene	ug/L	5.5	4.8	13	30	
Methyl-tert-butyl ether	ug/L	2.2	2.0	6	30	
Naphthalene	ug/L	0.29J	ND		30	
o-Xylene	ug/L	5.3	4.6	13	30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	1.7J	1.5J		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

SAMPLE DUPLICATE: 1974958

Parameter	Units	92331686002 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butyl Alcohol	ug/L	4.3J	3.7J		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	11.9	10.2	16	30	
Xylene (Total)	ug/L	10.8	9.5	13	30	
1,2-Dichloroethane-d4 (S)	%	106	108	2		
4-Bromofluorobenzene (S)	%	96	96	0		
Toluene-d8 (S)	%	101	102	1		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

QC Batch: 356031 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92331686006, 92331686007, 92331686008, 92331686009, 92331686010, 92331686011, 92331686012, 92331686013, 92331686014, 92331686015, 92331686016, 92331686017, 92331686018, 92331686019, 92331686020, 92331686021, 92331686022, 92331686023, 92331686024, 92331686025

METHOD BLANK: 1974985

Matrix: Water

Associated Lab Samples: 92331686006, 92331686007, 92331686008, 92331686009, 92331686010, 92331686011, 92331686012, 92331686013, 92331686014, 92331686015, 92331686016, 92331686017, 92331686018, 92331686019, 92331686020, 92331686021, 92331686022, 92331686023, 92331686024, 92331686025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.24	03/04/17 12:28	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	50.0	03/04/17 12:28	
Benzene	ug/L	ND	1.0	0.25	03/04/17 12:28	
Diisopropyl ether	ug/L	ND	1.0	0.12	03/04/17 12:28	
Ethanol	ug/L	ND	200	131	03/04/17 12:28	
Ethyl-tert-butyl ether	ug/L	ND	10.0	0.070	03/04/17 12:28	
Ethylbenzene	ug/L	ND	1.0	0.30	03/04/17 12:28	
m&p-Xylene	ug/L	ND	2.0	0.66	03/04/17 12:28	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	03/04/17 12:28	
Naphthalene	ug/L	ND	1.0	0.24	03/04/17 12:28	
o-Xylene	ug/L	ND	1.0	0.23	03/04/17 12:28	
tert-Amyl Alcohol	ug/L	ND	100	50.0	03/04/17 12:28	
tert-Amylmethyl ether	ug/L	ND	10.0	0.10	03/04/17 12:28	
tert-Butyl Alcohol	ug/L	ND	100	3.6	03/04/17 12:28	
tert-Butyl Formate	ug/L	ND	50.0	1.9	03/04/17 12:28	
Toluene	ug/L	ND	1.0	0.26	03/04/17 12:28	
Xylene (Total)	ug/L	ND	1.0	0.66	03/04/17 12:28	
1,2-Dichloroethane-d4 (S)	%	106	70-130		03/04/17 12:28	
4-Bromofluorobenzene (S)	%	95	70-130		03/04/17 12:28	
Toluene-d8 (S)	%	101	70-130		03/04/17 12:28	

LABORATORY CONTROL SAMPLE: 1974986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.9	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1120	112	70-130	
Benzene	ug/L	50	52.8	106	70-130	
Diisopropyl ether	ug/L	50	55.2	110	70-130	
Ethanol	ug/L	2000	1980	99	70-130	
Ethyl-tert-butyl ether	ug/L	100	109	109	70-130	
Ethylbenzene	ug/L	50	52.4	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	56.2	112	70-130	
Naphthalene	ug/L	50	51.9	104	70-130	
o-Xylene	ug/L	50	52.0	104	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

LABORATORY CONTROL SAMPLE: 1974986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	479	96	70-130	
tert-Butyl Formate	ug/L	400	536	134	70-130	L1
Toluene	ug/L	50	52.0	104	70-130	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1974987

Parameter	Units	92331686006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.2	110	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	449	112	70-130	
Benzene	ug/L	67.9	20	193	624	70-130	M1
Diisopropyl ether	ug/L	5.7	20	36.4	154	70-130	M1
Ethanol	ug/L	ND	800	930	116	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	45.0	113	70-130	
Ethylbenzene	ug/L	9.0	20	46.4	187	70-130	M1
m&p-Xylene	ug/L	37.6	40	142	261	70-130	M1
Methyl-tert-butyl ether	ug/L	1.3	20	26.0	124	70-130	
Naphthalene	ug/L	1.2	20	23.9	114	70-130	
o-Xylene	ug/L	19.7	20	74.9	276	70-130	M1
tert-Amyl Alcohol	ug/L	ND	400	555	127	70-130	
tert-Amylmethyl ether	ug/L	1.8J	40	48.0	116	70-130	
tert-Butyl Alcohol	ug/L	4.5J	200	306	151	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	M0, P5
Toluene	ug/L	145	20	383	1190	70-130	E
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1974988

Parameter	Units	92331686007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

SAMPLE DUPLICATE: 1974988

Parameter	Units	92331686007 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	105	0		
4-Bromofluorobenzene (S)	%	95	97	3		
Toluene-d8 (S)	%	101	101	1		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

QC Batch: 356038 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92331686026, 92331686027

METHOD BLANK: 1975021 Matrix: Water
Associated Lab Samples: 92331686026, 92331686027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.24	03/03/17 12:41	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	50.0	03/03/17 12:41	
Benzene	ug/L	ND	1.0	0.25	03/03/17 12:41	
Diisopropyl ether	ug/L	ND	1.0	0.12	03/03/17 12:41	
Ethanol	ug/L	321	200	131	03/03/17 12:41	
Ethyl-tert-butyl ether	ug/L	ND	10.0	0.070	03/03/17 12:41	
Ethylbenzene	ug/L	ND	1.0	0.30	03/03/17 12:41	
m&p-Xylene	ug/L	ND	2.0	0.66	03/03/17 12:41	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	03/03/17 12:41	
Naphthalene	ug/L	0.54J	1.0	0.24	03/03/17 12:41	
o-Xylene	ug/L	ND	1.0	0.23	03/03/17 12:41	
tert-Amyl Alcohol	ug/L	ND	100	50.0	03/03/17 12:41	
tert-Amylmethyl ether	ug/L	ND	10.0	0.10	03/03/17 12:41	
tert-Butyl Alcohol	ug/L	ND	100	3.6	03/03/17 12:41	
tert-Butyl Formate	ug/L	ND	50.0	1.9	03/03/17 12:41	
Toluene	ug/L	ND	1.0	0.26	03/03/17 12:41	
Xylene (Total)	ug/L	ND	1.0	0.66	03/03/17 12:41	
1,2-Dichloroethane-d4 (S)	%	99	70-130		03/03/17 12:41	
4-Bromofluorobenzene (S)	%	101	70-130		03/03/17 12:41	
Toluene-d8 (S)	%	98	70-130		03/03/17 12:41	

LABORATORY CONTROL SAMPLE: 1975022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	999	100	70-130	
Benzene	ug/L	50	54.3	109	70-130	
Diisopropyl ether	ug/L	50	53.6	107	70-130	
Ethanol	ug/L	2000	2410	120	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	53.3	107	70-130	
Naphthalene	ug/L	50	52.6	105	70-130	
o-Xylene	ug/L	50	51.2	102	70-130	
tert-Amyl Alcohol	ug/L	1000	979	98	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	464	93	70-130	
tert-Butyl Formate	ug/L	400	431	108	70-130	
Toluene	ug/L	50	52.7	105	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: LEWIS DRIVE RELEASE 18693
Pace Project No.: 92331686

LABORATORY CONTROL SAMPLE: 1975022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	154	102	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: LEWIS DRIVE RELEASE 18693

Pace Project No.: 92331686

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEWIS DRIVE RELEASE 18693
 Pace Project No.: 92331686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92331686001	SW-1	EPA 8260	356026		
92331686002	SW-2	EPA 8260	356026		
92331686003	SW-3	EPA 8260	356026		
92331686004	SW-10	EPA 8260	356026		
92331686005	SW-11	EPA 8260	356026		
92331686006	SW-12	EPA 8260	356031		
92331686007	SW-100	EPA 8260	356031		
92331686008	SW-101	EPA 8260	356031		
92331686009	SW-102	EPA 8260	356031		
92331686010	SW-103	EPA 8260	356031		
92331686011	SW-104	EPA 8260	356031		
92331686012	SW-105	EPA 8260	356031		
92331686013	SW-106	EPA 8260	356031		
92331686014	SW-107	EPA 8260	356031		
92331686015	SW-108	EPA 8260	356031		
92331686016	SW-109	EPA 8260	356031		
92331686017	SW-110	EPA 8260	356031		
92331686018	SW-111	EPA 8260	356031		
92331686019	SW-112	EPA 8260	356031		
92331686020	SW-113	EPA 8260	356031		
92331686021	SW-114	EPA 8260	356031		
92331686022	SW-115	EPA 8260	356031		
92331686023	SW-116	EPA 8260	356031		
92331686024	DUP1	EPA 8260	356031		
92331686025	DUP2	EPA 8260	356031		
92331686026	FIELD BLANK	EPA 8260	356038		
92331686027	TRIP BLANK	EPA 8260	356038		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: Sept. 21, 2016 Page 1 of 2
Document No.: F-CAR-CS-033-Rev.01	Issuing Authority: Pace Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name: SCDHEC UST

Project #: **WO# : 92331686**



Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4/3-1-17

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Thermometer: IR Gun ID: T1103 Type of Ice: Wet Blue None Samples on Ice, cooling process has begun

Correction Factor: Cooler Temp Corrected (°C): 2.8°C Biological Tissue Frozen? Yes No N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.	SW-1, SW-3, SW-101, SW102, SW108, SW-109, SW110, SW111,
-Includes Date/Time/ID/Analysis Matrix: <u>Water</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.	SW-115, DUP-1, DUP-2 - No Time
rip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.	as per COC
rip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		2 Trip Blank - is phosphoric Acid Vials not field vials

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

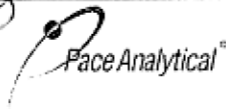
Person Contacted: _____ Date/Time: _____
 Comments/Sample Discrepancy: _____

Project Manager SCURF Review: TC
 Project Manager SRF Review: TC

Date: 3/2/17
 Date: 3/2/17

ote: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

17-5018



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
 F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
 Page 2 of 2

Issuing Authority:
 Pace Quality Office

WO# : 92331686

PM: RWC

Due Date: 03/08/17

CLIENT: 92-SCDHEC

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

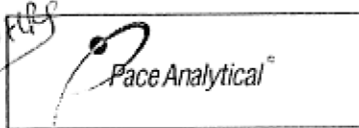
**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic Zn Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFL-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

17-50 FLP



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
 Page 2 of 2
 Issuing Authority:
 Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project # **WO# : 92331686**
 PH: RWC Due Date: 03/08/17
 CLIENT: 92-SCDHEC

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-503S kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

1750493



Document Name:
 Sample Condition Upon Receipt(SCUR)
 Document No.:
 F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
 Page 2 of 2
 Issuing Authority:
 Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project #

SCDHEC 42331686
 Page-3 of 3

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S03S kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubtainer	V5GU-20 mL Scintillation vials (N/A)	GN	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2 2AP3-172	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: <u>SEDHEC</u> Address: <u>300 Bull St.</u> <u>Columbia, SC 29201</u> Email To: <u>Empire@sedhec.com</u> Phone: _____ Fax: _____ Requested Due Date(TAT): _____		Section B Required Project Information: Report To: <u>J. Bryant</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>Lewis Drive Release</u> Project Number: <u>URP 180193</u>		Section C Invoice Information: Attention: _____ Company Name: _____ Address: _____ Face Quote Reference: _____ Pace Project Manager: <u>Tony Carter</u> Pace Profile #: _____		Page: <u>1</u> of <u>3</u> <div style="border: 1px solid black; padding: 5px; text-align: center; font-size: 1.2em;">2019126</div>
				REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <u>URP</u>		
				Site Location: _____ STATE: <u>SC</u>		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9, -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see field codes to left)	SAMPLE TYPE (G-RAB C-COMP.)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ <u>Asbestos, PCBs, PAHs</u>	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	NH ₄ -S ₂ O ₈	Methanol					Other
					DATE	TIME	DATE	TIME														
1	SIN-1																		cc1			
2	SIN-2																		cc2			
3	SIN-3																		cc3			
4	SIN-4																					
5	SIN-5																					
6	SIN-10																		cc4			
7	SIN-11																		cc5			
8	SIN-12																		cc6			
9	SIN-100																		cc7			
10	SIN-101																		cc8			
11	SIN-102																		cc9			
12	SIN-103																		cc10			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Report + "J" values	J. Bryant	3/1/17	1000	J. Bryant	3-1-17	1000	
	J. Bryant	3-1-17	1615	J. Bryant	3-1-17	1615	28 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>RYAN ARNOLD</u>					
SIGNATURE of SAMPLER: <u>[Signature]</u>					
DATE Signed (MM/DD/YY): <u>3/28/17</u>					

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any amounts not paid within 30 days.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 3
 2019127

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>S. DPEC</u>		Report To: <u>John Bryant</u>		Attention:	
Address: <u>1000 Bull St.</u> <u>Columbia SC 29201</u>		Copy To:		Company Name:	
Email To: <u>Bryant.j@sdpec.com</u>		Purchase Order No.:		Address:	
Phone:		Project Name: <u>Low's Drive Release</u>		Price Quote Reference:	
Requested Due Date/TAT:		Project Number: <u>URP-12093</u>		Pace Project Manager: <u>Tilly Carter</u>	
				Site Location: <u>SC</u>	
				STATE: <u>SC</u>	
				REGULATORY AGENCY: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER <u>URP</u>	

ITEM #	SAMPLE ID (A-Z, 0-9 / .)	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No. / Lab ID.	
			COMPOSITE START	COMPOSITE END GRAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol					Other
			DATE	TIME			DATE	TIME										
1	SW-104				2/28	1225	0											C11
2	SW-105					1230	0											C12
3	SW-106					1120	0											C13
4	SW-107					1154	0											C14
5	SW-108					1155	0											C15
6	SW-109					115	0											C16
7	SW-110					1050	0											C17
8	SW-111					1050	0											C18
9	SW-112					1057	0											C19
10	SW-113					1255	0											C20
11	SW-114					1021	0											C21
12	SW-115				2/28	1005	0											C22

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Report "J" values	J. John Pace	3/1/17	1006	J. John Pace	3-1-17	1006	2-8	Y	N	Y
	J. John Pace	3-1-17	1615	J. John Pace	3-1-17	1615				

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in C	Received on (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Ryan A. Wall</u>	DATE Signed (MM/DD/YY): <u>2/28/17</u>				
SIGNATURE of SAMPLER: <u>[Signature]</u>					

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.0% per month for any amounts not paid within 30 days. F-ALL-O-020/rev.07, 15-May-2007