

Hampton-Clarke Report Of Analysis

Client: AECOM

HC Project #: 7111017

Project: Liberty

Sample ID: LMW-19

Collection Date: 11/8/2017

Lab#: AD01096-001

Receipt Date: 11/10/2017

Matrix: Aqueous

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	51.79	50	55	146	104	
Nitrobenzene-d5	37.44	50	51	139	75	
2-Fluorobiphenyl	40.25	50	53	129	80	

Sample ID: LMW-19 MS
Lab#: AD01096-002
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.50	31		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	55.52	50	55	146	111	
Nitrobenzene-d5	44.32	50	51	139	89	
2-Fluorobiphenyl	30.40	50	53	129	61	

Sample ID: LMW-19 MSD
Lab#: AD01096-003
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.50	30		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	58.57	50	55	146	117	
Nitrobenzene-d5	47.04	50	51	139	94	
2-Fluorobiphenyl	36.96	50	53	129	74	

Sample ID: LMW-18
Lab#: AD01096-004
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	56.92	50	55	146	114	
Nitrobenzene-d5	42.29	50	51	139	85	
2-Fluorobiphenyl	42.09	50	53	129	84	

Sample ID: LMW-69
Lab#: AD01096-005
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	51.56	50	55	146	103	
Nitrobenzene-d5	40.17	50	51	139	80	
2-Fluorobiphenyl	43.30	50	53	129	87	

Sample ID: LMW-2
Lab#: AD01096-006
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	57.58	50	55	146	115	
Nitrobenzene-d5	44.97	50	51	139	90	
2-Fluorobiphenyl	46.11	50	53	129	92	

Sample ID: LMW-3
Lab#: AD01096-007
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	57.94	50	55	146	116	
Nitrobenzene-d5	44.78	50	51	139	90	
2-Fluorobiphenyl	47.47	50	53	129	95	

Sample ID: LMW-4
Lab#: AD01096-008
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	50.03	50	55	146	100	
Nitrobenzene-d5	39.25	50	51	139	78	
2-Fluorobiphenyl	41.87	50	53	129	84	

Sample ID: LMW-5
Lab#: AD01096-009
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	55.13	50	55	146	110	
Nitrobenzene-d5	43.94	50	51	139	88	
2-Fluorobiphenyl	43.12	50	53	129	86	

Sample ID: LMW-6
Lab#: AD01096-010
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	57.95	50	55	146	116	
Nitrobenzene-d5	44.24	50	51	139	88	
2-Fluorobiphenyl	45.48	50	53	129	91	

Sample ID: LMW-10
Lab#: AD01096-011
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	49.90	50	55	146	100	
Nitrobenzene-d5	40.30	50	51	139	81	
2-Fluorobiphenyl	40.66	50	53	129	81	

Sample ID: LMW-16
Lab#: AD01096-012
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	59.66	50	55	146	119	
Nitrobenzene-d5	45.80	50	51	139	92	
2-Fluorobiphenyl	47.50	50	53	129	95	

Sample ID: LMW-20
Lab#: AD01096-013
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	59.03	50	55	146	118	
Nitrobenzene-d5	45.97	50	51	139	92	
2-Fluorobiphenyl	46.14	50	53	129	92	

Sample ID: LMW-21
Lab#: AD01096-014
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	60.88	50	55	146	122	
Nitrobenzene-d5	42.64	50	51	139	85	
2-Fluorobiphenyl	45.87	50	53	129	92	

Sample ID: LMW-12
Lab#: AD01096-015
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	5	ug/l	1.2	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	4.77	50	55	146	48	Sb8
Nitrobenzene-d5	3.69	50	51	139	37	Sb8
2-Fluorobiphenyl	4.45	50	53	129	45	Sb8

Sample ID: LMW-14
Lab#: AD01096-016
Matrix: Aqueous

Collection Date: 11/8/2017
Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	40.76	50	55	146	82	
Nitrobenzene-d5	33.11	50	51	139	66	
2-Fluorobiphenyl	41.87	50	53	129	84	

Sample ID: LFB-20171108

Lab#: AD01096-017

Matrix: Aqueous

Collection Date: 11/8/2017

Receipt Date: 11/10/2017

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result		
1,4-Dioxane	1	ug/l	0.25	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	60.20	50	55	146	120	
Nitrobenzene-d5	49.29	50	51	139	99	
2-Fluorobiphenyl	47.94	50	53	129	96	

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
 Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
 Service Center: 137-D Galtier Drive, Mount Laurel, New Jersey 08054
 Ph (Service Center): 856-780-6057 Fax: 856-780-6056



CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged Small Business Enterprise

7/11/07

Page 1 of 2

3) Reporting Requirements (Please Circle)

Turnaround ☐ When Available: ☐ Summary ☐ Electronic Data Deliv.

1 Business Day (100%)* ☐ Results + QC (Waste) ☐ NJ HazSite

2 Business Days (75%)* ☐ Reduced: ☐ Excel Reg. NJ / NY / PA

3 Business Days (50%)* ☐ [] NJ [] NY ☐ EnviroData

4 Business Days (35%)* ☐ [] PA [] Other ☐ EQUIS:

5 Business Days (25%)* ☐ NJ Full / NY ASP CatB ☒ File [] EZ

8 Business Days (Stand.) ☐ NY ASP CatA ☒ INDEC

Other: ☐ Region 2 or 5

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: AECOM

Address: 100 Red Schoolhouse Rd

1b) Email/Cell/Fax/Ph: Christina Ridgely

1c) Send Invoice to: Paul Karetz@aecom.com

1d) Send Report to: Same

Project Information

2a) Project: LIBERTY

2b) Project Mgr: Paul Karetz

2c) Project Location (City/State): NY BRENWOOD

2d) Quote/PO # (if Applicable): NY

FOR LAB USE ONLY

Batch # 401086

Matrix Codes
 DW - Drinking Water S - Soil A - Air
 GW - Ground Water SL - Sludge
 WW - Waste Water OL - Oil
 OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

1,4-DIOXANE

8) # of Bottles					
None	MeOH	En Core	NaOH	HCl	H2SO4
					HNO3
					Other:

9) Comments

twms/msd

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Date	6) Sample Time	Composite (C)	Grab (G)	7) Analysis (specify methods & parameter lists)	8) # of Bottles	9) Comments
001/003/003	LMW-19	GW	11/8/17	932					
004	LMW-18			951					
005	LMW-69			935					
006	LMW-2			145					
007	LMW-3			1430					
008	LMW-4			1445					
009	LMW-5			1503					
010	LMW-6			1510					
011	LMW-10			1540					
012	LMW-16			1525					

10) Relinquished by:

Accepted by: [Signature] Date: 11/10/17 Time: 12:30

11) Sampler (print name):

Date:

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
 BN or BNA (8270D SIM) ☐
 VOC (8260C SIM or 8011) ☐
 SPLP (BN, BNA, Metals) ☐
 1,4 Dioxane ☐
 Check if applicable:
 Project-Specific Reporting Limits ☐
 High Contaminant Concentrations ☐
 NJ LSRP Project (also check boxes above/right) ☒
 Please note NUMBERED items. If not completed your analytical work may be delayed.
 A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.
 Internal use: sampling plan (check box) HC [] or client [] FSP#

Cooler Temperature 2.9

2.0 2.6

