

Analysis Method: EPA 537 m

Sample Name: BRLTN05-001-GW-017 **Matrix Type:** W **Result Type:** TRG
Lab Sample Name: EGG607 **Sample Date/Time:** 2017-04-19 11:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.017	0.0032	0.10	0.020	ug/L	J	JB	06A;07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	0.0062	0.0048	0.10	0.020	ug/L	J	J	07
PERFLUOROBUTANOIC ACID	375-22-4	0.015	0.0066	0.14	0.020	ug/L	J	J	07
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	UJ	07;10A
PERFLUOROHEPTANOIC ACID	375-85-9	0.0037	0.0033	0.10	0.020	ug/L	J	J	07
PERFLUOROHEXANE SULFONATE	108427-53-8	0.11	0.0034	0.10	0.020	ug/L		J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.060	0.0029	0.10	0.020	ug/L		J	07
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	UJ	07
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.92	0.0036	0.10	0.020	ug/L		J	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.24	0.0026	0.10	0.020	ug/L		J	07
PERFLUOROOCCTANOIC ACID	335-67-1	0.054	0.0046	0.10	0.020	ug/L		J	07
PERFLUOROPENTANOIC ACID	2706-90-3	0.0076	0.0027	0.10	0.020	ug/L	J	J	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	UJ	07;10A
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	UJ	07;10A
PERFLUOROUNDECANOIC ACID	2058-94-8	0.0065	0.0043	0.10	0.020	ug/L	J	J	07

Analysis Method: EPA 537 m

Sample Name: BRLTN05-001-SO-014 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGG606 **Sample Date/Time:** 2017-04-19 11:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.30	0.23	0.60	1.0	ug/kg	J	JB	06A;07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.60	0.32	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	0.27	0.13	0.40	1.0	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.19	0.60	1.0	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.27	0.26	0.60	1.0	ug/kg	J	J	07
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.60	0.21	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	0.32	0.11	0.40	1.0	ug/kg	J	J	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name	BRLTN05-001-SS-001	Matrix Type:	SO	Result Type:	TRG				
Lab Sample Name:	EGG604	Sample Date/Time:	2017-04-19	10:25	Validation Level:	Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.42	0.22	0.58	0.97	ug/kg	J	JB	06A;07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.58	0.31	0.58	0.97	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.58	0.16	0.58	0.97	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.58	0.22	0.58	0.97	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.58	0.22	0.58	0.97	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	0.23	0.13	0.39	0.97	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.58	0.21	0.58	0.97	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.58	0.16	0.58	0.97	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.58	0.22	0.58	0.97	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.58	0.18	0.58	0.97	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.58	0.16	0.58	0.97	ug/kg	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.58	0.25	0.58	0.97	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.78	0.20	0.58	0.97	ug/kg	J	J	07
PERFLUOROOCCTANOIC ACID	335-67-1	<0.58	0.25	0.58	0.97	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.58	0.17	0.58	0.97	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	0.15	0.11	0.39	0.97	ug/kg	J	J	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.39	0.12	0.39	0.97	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.58	0.17	0.58	0.97	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name BRLTN05-001-SS-901 **Matrix Type:** SO **Result Type:** TRG

Lab Sample Name: EGG605 **Sample Date/Time:** 2017-04-19 10:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.24	0.23	0.59	0.99	ug/kg	J	JB	06A;07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.59	0.32	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.59	0.17	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.59	0.23	0.59	0.99	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.59	0.23	0.59	0.99	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	0.35	0.13	0.40	0.99	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.59	0.22	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.59	0.17	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.59	0.23	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.59	0.19	0.59	0.99	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.59	0.17	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.58	0.26	0.59	0.99	ug/kg	J	J	07
PERFLUOROOCTANE SULFONATE	1763-23-1	0.97	0.21	0.59	0.99	ug/kg	J	J	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.59	0.26	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.59	0.18	0.59	0.99	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	0.19	0.11	0.40	0.99	ug/kg	J	J	07;10A
PERFLUOROTRIDECANOIC ACID	72629-94-8	0.15	0.12	0.40	0.99	ug/kg	J	J	07;10A
PERFLUOROUNDECANOIC ACID	2058-94-8	0.20	0.18	0.59	0.99	ug/kg	J	J	07

Analysis Method: EPA 537 m

Sample Name: BRLTN05-002-GW-033 **Matrix Type:** W **Result Type:** TRG
Lab Sample Name: EGG613 **Sample Date/Time:** 2017-04-19 16:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.016	0.0048	0.10	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.026	0.0066	0.14	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.062	0.0034	0.10	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.036	0.0029	0.10	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCANE SULFONAMIDE	754-91-6	0.0062	0.0036	0.10	0.020	ug/L	J	J	
PERFLUOROOCANE SULFONATE	1763-23-1	0.011	0.0026	0.10	0.020	ug/L	J	J	
PERFLUOROOCANOIC ACID	335-67-1	0.017	0.0046	0.10	0.020	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.027	0.0027	0.10	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN05-002-GW-933 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGG614 **Sample Date/Time:** 2017-04-19 16:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	0.012	0.0048	0.10	0.020	ug/L	J	J	07
PERFLUOROBUTANOIC ACID	375-22-4	0.026	0.0066	0.14	0.020	ug/L		J	07
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	0.055	0.0034	0.10	0.020	ug/L		J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.033	0.0029	0.10	0.020	ug/L		J	07
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.015	0.0036	0.10	0.020	ug/L	J	J	07
PERFLUOROOCTANE SULFONATE	1763-23-1	0.020	0.0026	0.10	0.020	ug/L		J	07
PERFLUOROOCTANOIC ACID	335-67-1	0.021	0.0046	0.10	0.020	ug/L		J	07
PERFLUOROPENTANOIC ACID	2706-90-3	0.022	0.0027	0.10	0.020	ug/L		J	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN05-002-SO-028 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGG611 **Sample Date/Time:** 2017-04-19 16:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.57	0.23	0.60	1.0	ug/kg	J	J	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.60	0.32	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.40	0.13	0.40	1.0	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.19	0.60	1.0	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07;10A
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.60	0.21	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	0.11	0.11	0.40	1.0	ug/kg	J	JB	06A;07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name		Matrix Type:		Result Type:					
BRLTN05-002-SO-928		SO		TRG					
Lab Sample Name:		Sample Date/Time:				Validation Level:			
EGG612		2017-04-19		16:25		Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.58	0.23	0.60	1.0	ug/kg	J	J	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.60	0.32	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.40	0.13	0.40	1.0	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUROHEXANE SULFONATE	108427-53-8	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUROHEXANOIC ACID	307-24-4	<0.60	0.19	0.60	1.0	ug/kg	U	UJ	07
PERFLURONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUROOCTANE SULFONAMIDE	754-91-6	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07;10A
PERFLUROOCTANE SULFONATE	1763-23-1	<0.60	0.21	0.60	1.0	ug/kg	U	UJ	07
PERFLUROOCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUROTETRADECANOIC ACID	376-06-7	0.22	0.11	0.40	1.0	ug/kg	J	JB	06A;07
PERFLUROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07
PERFLUROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN05-002-SS-001 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGG610 **Sample Date/Time:** 2017-04-19 15:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.52	0.20	0.52	0.86	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.52	0.28	0.52	0.86	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.52	0.15	0.52	0.86	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.52	0.20	0.52	0.86	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.52	0.20	0.52	0.86	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.34	0.11	0.34	0.86	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.52	0.19	0.52	0.86	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.52	0.15	0.52	0.86	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.52	0.20	0.52	0.86	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.52	0.16	0.52	0.86	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.52	0.15	0.52	0.86	ug/kg	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.52	0.22	0.52	0.86	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	1.2	0.18	0.52	0.86	ug/kg			
PERFLUOROOCCTANOIC ACID	335-67-1	<0.52	0.22	0.52	0.86	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.52	0.15	0.52	0.86	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	0.17	0.095	0.34	0.86	ug/kg	J	B	06A
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.34	0.10	0.34	0.86	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.52	0.15	0.52	0.86	ug/kg	U	U	10A

Analysis Method: EPA 537 m

Sample Name BRLTN05-003-SO-032 **Matrix Type:** SO **Result Type:** TRG

Lab Sample Name: EGG609 **Sample Date/Time:** 2017-04-19 14:17 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.51	0.23	0.60	1.0	ug/kg	J	JB	06A;07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.60	0.32	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	0.30	0.13	0.40	1.0	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.19	0.60	1.0	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07;10A
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.60	0.21	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	0.19	0.11	0.40	1.0	ug/kg	J	J	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	0.19	0.12	0.40	1.0	ug/kg	J	J	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN05-003-SS-001 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGG608 **Sample Date/Time:** 2017-04-19 11:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.56	0.19	0.49	0.82	ug/kg	J	JB	06A,07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.49	0.26	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.49	0.14	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.49	0.19	0.49	0.82	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.49	0.19	0.49	0.82	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	0.28	0.11	0.33	0.82	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.49	0.18	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.49	0.14	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.49	0.19	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.49	0.16	0.49	0.82	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.49	0.14	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.49	0.21	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONATE	1763-23-1	2.7	0.17	0.49	0.82	ug/kg		J	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.49	0.21	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.49	0.15	0.49	0.82	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	0.15	0.090	0.33	0.82	ug/kg	J	J	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	0.10	0.098	0.33	0.82	ug/kg	J	J	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.49	0.15	0.49	0.82	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name		Matrix Type:			Result Type:				
BRLTN-RS-001		W			TRG				
Lab Sample Name:		Sample Date/Time:				Validation Level:			
EGG574		2017-04-18		12:50		Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.010	0.0048	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.014	0.0066	0.014	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0029	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONATE	1763-23-1	<0.010	0.0026	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANOIC ACID	335-67-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name	BRLTN-RS-002	Matrix Type:	W	Result Type:	TRG				
Lab Sample Name:	EGG601	Sample Date/Time:	2017-04-19 07:30	Validation Level:	Stage 2B				
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.010	0.0048	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.014	0.0066	0.014	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0029	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONATE	1763-23-1	<0.010	0.0026	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANOIC ACID	335-67-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name		Matrix Type:			Result Type:				
BRLTN-SB-001		W			TRG				
Lab Sample Name:		Sample Date/Time:				Validation Level:			
EGG591		2017-04-18 09:19				Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.010	0.0048	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.014	0.0066	0.014	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0029	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.010	0.0026	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Validated Sample Result Forms: B780516

Analysis Method: EPA 537 m

Sample Name: BRLTN01-001-SO-008 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGH844 **Sample Date/Time:** 2017-04-20 14:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.66	0.25	0.66	1.1	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.66	0.35	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.66	0.19	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.66	0.25	0.66	1.1	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.66	0.25	0.66	1.1	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.44	0.14	0.44	1.1	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.66	0.24	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.66	0.19	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	0.72	0.25	0.66	1.1	ug/kg	J	J	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.66	0.21	0.66	1.1	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.66	0.19	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	6.6	0.29	0.66	1.1	ug/kg		J	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	4.7	0.23	0.66	1.1	ug/kg		J	07
PERFLUOROOCCTANOIC ACID	335-67-1	0.38	0.29	0.66	1.1	ug/kg	J	J	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.66	0.20	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.44	0.12	0.44	1.1	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.44	0.13	0.44	1.1	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.66	0.20	0.66	1.1	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name BRLTN01-MW-BP3-012 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGH846 **Sample Date/Time:** 2017-04-20 16:28 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.47	0.16	0.50	1.0	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.50	0.18	0.50	1.0	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	3.4	0.24	0.50	1.0	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	2.7	0.33	0.70	1.0	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.50	0.23	0.50	1.0	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.50	0.20	0.50	1.0	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.50	0.14	0.50	1.0	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	11	0.17	0.50	1.0	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	96	3.4	10	20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	41	0.15	0.50	1.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.23	0.50	1.0	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	3.1	0.18	0.50	1.0	ug/L			
PERFLUOROOCTANE SULFONATE	1763-23-1	31	0.13	0.50	1.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	41	0.23	0.50	1.0	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	5.8	0.14	0.50	1.0	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.50	0.19	0.50	1.0	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.50	0.17	0.50	1.0	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.50	0.22	0.50	1.0	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN01-MW-V1BP2-009 **Matrix Type:** W **Result Type:** TRG
Lab Sample Name: EGH845 **Sample Date/Time:** 2017-04-20 17:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.10	0.032	0.10	0.20	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.34	0.036	0.10	0.20	ug/L			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.10	0.048	0.10	0.20	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.14	0.066	0.14	0.20	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.10	0.046	0.10	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.10	0.040	0.10	0.20	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.028	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.11	0.033	0.10	0.20	ug/L	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	2.6	0.034	0.10	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.37	0.029	0.10	0.20	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.059	0.046	0.10	0.20	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.081	0.036	0.10	0.20	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	16	0.13	0.50	1.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	1.3	0.046	0.10	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.12	0.027	0.10	0.20	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.033	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.043	0.10	0.20	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name	BRLTN02-002-GW-029	Matrix Type:	W	Result Type:	TRG				
Lab Sample Name:	EGH848	Sample Date/Time:	2017-04-21 08:36	Validation Level:	Stage 2B				
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	8.3	0.032	0.10	0.20	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.15	0.036	0.10	0.20	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.47	0.048	0.10	0.20	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.46	0.066	0.14	0.20	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.10	0.046	0.10	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.10	0.040	0.10	0.20	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.028	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.29	0.033	0.10	0.20	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	5.5	0.034	0.10	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	2.0	0.029	0.10	0.20	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.10	0.046	0.10	0.20	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.16	0.036	0.10	0.20	ug/L	J	J	
PERFLUOROOCCTANE SULFONATE	1763-23-1	54	0.26	1.0	2.0	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.50	0.046	0.10	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	2.0	0.027	0.10	0.20	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.033	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.043	0.10	0.20	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN02-003-GW-032 **Matrix Type:** W **Result Type:** TRG
Lab Sample Name: EGH847 **Sample Date/Time:** 2017-04-21 09:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.95	0.0064	0.020	0.040	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.15	0.0072	0.020	0.040	ug/L			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.14	0.0096	0.020	0.040	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.17	0.013	0.028	0.040	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.020	0.0092	0.020	0.040	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.020	0.0080	0.020	0.040	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.020	0.0056	0.020	0.040	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.14	0.0066	0.020	0.040	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	2.5	0.068	0.20	0.40	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.57	0.0058	0.020	0.040	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.030	0.0092	0.020	0.040	ug/L	J	J	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.13	0.0072	0.020	0.040	ug/L			
PERFLUOROOCCTANE SULFONATE	1763-23-1	9.2	0.052	0.20	0.40	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.28	0.0092	0.020	0.040	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.48	0.0054	0.020	0.040	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.020	0.0076	0.020	0.040	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.020	0.0066	0.020	0.040	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.020	0.0086	0.020	0.040	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name BRLTN04-001-GW-013 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGH843 **Sample Date/Time:** 2017-04-20 13:12 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.020	0.0032	0.010	0.020	ug/L		J	10A
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	UJ	10A
PERFLUOROBUTANE SULFONATE	29420-43-3	0.013	0.0048	0.010	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.054	0.0066	0.014	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.14	0.0033	0.010	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	1.7	0.017	0.050	0.10	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.058	0.0029	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.0051	0.0046	0.010	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.0053	0.0036	v	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.10	0.0026	0.010	0.020	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.084	0.0046	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.060	0.0027	0.010	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN04-001-SO-009 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGH842 **Sample Date/Time:** 2017-04-20 13:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.66	0.25	0.66	1.1	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.66	0.35	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.66	0.19	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	0.26	0.25	0.66	1.1	ug/kg	J	J	07
PERFLUORODECANE SULFONATE	335-77-3	<0.66	0.25	0.66	1.1	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.44	0.14	0.44	1.1	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.66	0.24	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	0.37	0.19	0.66	1.1	ug/kg	J	J	07
PERFLUOROHEXANE SULFONATE	108427-53-8	1.2	0.25	0.66	1.1	ug/kg		J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.36	0.21	0.66	1.1	ug/kg	J	J	07
PERFLUORONONANOIC ACID	375-95-1	<0.66	0.19	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.66	0.29	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	<0.66	0.23	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROOCCTANOIC ACID	335-67-1	<0.66	0.29	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.66	0.20	0.66	1.1	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.44	0.12	0.44	1.1	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.44	0.13	0.44	1.1	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.66	0.20	0.66	1.1	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name		Matrix Type:		Result Type:					
BRLTN04-001-SS-001		SO		TRG					
Lab Sample Name:		Sample Date/Time:		Validation Level:					
EGH841		2017-04-20 12:35		Stage 2B					
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.53	0.20	0.53	0.89	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.53	0.28	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.53	0.15	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.53	0.20	0.53	0.89	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.53	0.20	0.53	0.89	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.36	0.12	0.36	0.89	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.53	0.20	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.53	0.15	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.53	0.20	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.53	0.17	0.53	0.89	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.53	0.15	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.53	0.23	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONATE	1763-23-1	4.3	0.19	0.53	0.89	ug/kg		J	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.53	0.23	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.53	0.16	0.53	0.89	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.36	0.098	0.36	0.89	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.36	0.11	0.36	0.89	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.53	0.16	0.53	0.89	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN04-002-GW-018 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGH832 **Sample Date/Time:** 2017-04-20 09:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.0086	0.0032	0.010	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.0052	0.0048	0.010	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.016	0.0066	0.014	0.020	ug/L	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.0034	0.0033	0.010	0.020	ug/L	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.027	0.0034	0.010	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.016	0.0029	0.010	0.020	ug/L	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.0042	0.0036	0.010	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.056	0.0026	0.010	0.020	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.0081	0.0046	0.010	0.020	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.018	0.0027	0.010	0.020	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name		Matrix Type:		Result Type:					
BRLTN04-002-SO-010		SO		TRG					
Lab Sample Name:		Sample Date/Time:		Validation Level:					
EGH831		2017-04-20 08:45		Stage 2B					
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	1.3	0.21	0.56	0.93	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	6.3	0.30	0.56	0.93	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.56	0.16	0.56	0.93	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.56	0.21	0.56	0.93	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	0.98	0.21	0.56	0.93	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	0.21	0.12	0.37	0.93	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.56	0.20	0.56	0.93	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.56	0.16	0.56	0.93	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	4.1	0.21	0.56	0.93	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.52	0.18	0.56	0.93	ug/kg	J	J	07
PERFLUORONONANOIC ACID	375-95-1	0.39	0.16	0.56	0.93	ug/kg	J	J	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	2.7	0.24	0.56	0.93	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	800	20	56	93	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.46	0.24	0.56	0.93	ug/kg	J	J	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.56	0.17	0.56	0.93	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.37	0.10	0.37	0.93	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.37	0.11	0.37	0.93	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.56	0.17	0.56	0.93	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN04-002-SS-001 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGH830 **Sample Date/Time:** 2017-04-20 08:20 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.60	0.32	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	1.1	0.23	0.60	1.0	ug/kg		J	07
PERFLUORODECANE SULFONATE	335-77-3	10	0.23	0.60	1.0	ug/kg		J	07
PERFLUORODECANOIC ACID	335-76-2	0.31	0.13	0.40	1.0	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	0.29	0.17	0.60	1.0	ug/kg	J	J	07
PERFLUOROHEXANE SULFONATE	108427-53-8	3.1	0.23	0.60	1.0	ug/kg		J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.54	0.19	0.60	1.0	ug/kg	J	J	07
PERFLUORONONANOIC ACID	375-95-1	1.0	0.17	0.60	1.0	ug/kg		J	07
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	3.5	0.26	0.60	1.0	ug/kg		J	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	42	0.21	0.60	1.0	ug/kg		J	07
PERFLUOROOCCTANOIC ACID	335-67-1	0.71	0.26	0.60	1.0	ug/kg	J	J	07
PERFLUOROPENTANOIC ACID	2706-90-3	1.1	0.18	0.60	1.0	ug/kg		J	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.40	0.11	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	0.63	0.18	0.60	1.0	ug/kg	J	J	07

Analysis Method: EPA 537 m

Sample Name		BRLTN04-003-GW-018		Matrix Type: W		Result Type: TRG			
Lab Sample Name:		EGH835		Sample Date/Time: 2017-04-20 10:20		Validation Level: Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.042	0.0032	0.010	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.016	0.0048	0.010	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.030	0.0066	0.014	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.021	0.0033	0.010	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.17	0.0034	0.010	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.073	0.0029	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.0051	0.0036	0.010	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.24	0.0026	0.010	0.020	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.023	0.0046	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.082	0.0027	0.010	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN04-003-SO-011 **Matrix Type:** SO **Result Type:** TRG

Lab Sample Name: EGH834 **Sample Date/Time:** 2017-04-20 10:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	2.7	0.32	0.60	1.0	ug/kg		J	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.40	0.13	0.40	1.0	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	0.46	0.23	0.60	1.0	ug/kg	J	J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.37	0.19	0.60	1.0	ug/kg	J	J	07
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.45	0.26	0.60	1.0	ug/kg	J	J	07
PERFLUOROOCTANE SULFONATE	1763-23-1	40	0.21	0.60	1.0	ug/kg		J	07
PERFLUOROOCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.40	0.11	0.40	1.0	ug/kg	U	UJ	07;10A
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07;10A
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name		Matrix Type:		Result Type:					
BRLTN04-003-SS-001		SO		TRG					
Lab Sample Name:		Sample Date/Time:		Validation Level:					
EGH833		2017-04-20 09:40		Stage 2B					
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.60	0.23	0.60	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.54	0.32	0.60	1.0	ug/kg	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	1.2	0.23	0.60	1.0	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	13	0.23	0.60	1.0	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	0.42	0.13	0.40	1.0	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	0.48	0.22	0.60	1.0	ug/kg	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.52	0.17	0.60	1.0	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	4.4	0.23	0.60	1.0	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.57	0.19	0.60	1.0	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	2.2	0.17	0.60	1.0	ug/kg			
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	2.5	0.26	0.60	1.0	ug/kg		J	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	36	0.21	0.60	1.0	ug/kg			
PERFLUOROOCCTANOIC ACID	335-67-1	1.8	0.26	0.60	1.0	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	0.70	0.18	0.60	1.0	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.40	0.11	0.40	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.83	0.18	0.60	1.0	ug/kg	J	J	

Analysis Method: EPA 537 m

Sample Name: BRLTN04-004-GW-018 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGH839 **Sample Date/Time:** 2017-04-20 12:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.030	0.0032	0.010	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.039	0.0048	0.010	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0066	0.014	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.033	0.0033	0.010	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.78	0.0034	0.010	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.23	0.0029	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.014	0.0046	0.010	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	0.0050	0.0036	0.010	0.020	ug/L	J	J	
PERFLUOROOCCTANE SULFONATE	1763-23-1	0.26	0.0026	0.010	0.020	ug/L			
PERFLUOROOCCTANOIC ACID	335-67-1	0.061	0.0046	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.22	0.0027	0.010	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name: BRLTN04-004-GW-918 **Matrix Type:** W **Result Type:** TRG

Lab Sample Name: EGH840 **Sample Date/Time:** 2017-04-20 12:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.025	0.0032	0.010	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.044	0.0048	0.010	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0066	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.034	0.0033	0.010	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.93	0.0034	0.010	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.20	0.0029	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.016	0.0046	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0043	0.0036	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.26	0.0026	0.010	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.062	0.0046	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.23	0.0027	0.010	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name BRLTN04-004-SO-013 **Matrix Type:** SO **Result Type:** TRG

Lab Sample Name: EGH838 **Sample Date/Time:** 2017-04-20 11:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.45	0.32	0.60	1.0	ug/kg	J	J	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANE SULFONATE	335-77-3	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUORODECANOIC ACID	335-76-2	<0.40	0.13	0.40	1.0	ug/kg	U	UJ	07
PERFLUORODODECANOIC ACID	307-55-1	<0.60	0.22	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.23	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.19	0.60	1.0	ug/kg	U	UJ	07
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.17	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROOCCTANE SULFONATE	1763-23-1	6.0	0.21	0.60	1.0	ug/kg		J	07
PERFLUOROOCCTANOIC ACID	335-67-1	<0.60	0.26	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROPENTANOIC ACID	2706-90-3	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.40	0.11	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.40	0.12	0.40	1.0	ug/kg	U	UJ	07
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.60	0.18	0.60	1.0	ug/kg	U	UJ	07

Analysis Method: EPA 537 m

Sample Name: BRLTN04-004-SS-001 **Matrix Type:** SO **Result Type:** TRG
Lab Sample Name: EGH836 **Sample Date/Time:** 2017-04-20 11:00 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.53	0.20	0.53	0.88	ug/kg	U	UJ	07
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.53	0.28	0.53	0.88	ug/kg	U	UJ	07
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.53	0.15	0.53	0.88	ug/kg	U	UJ	07
PERFLUOROBUTANOIC ACID	375-22-4	0.64	0.20	0.53	0.88	ug/kg	J	J	07
PERFLUORODECANE SULFONATE	335-77-3	0.57	0.20	0.53	0.88	ug/kg	J	J	07
PERFLUORODECANOIC ACID	335-76-2	0.34	0.11	0.53	0.88	ug/kg	J	J	07
PERFLUORODODECANOIC ACID	307-55-1	<0.53	0.19	0.53	0.88	ug/kg	U	UJ	07
PERFLUOROHEPTANOIC ACID	375-85-9	0.36	0.15	0.53	0.88	ug/kg	J	J	07
PERFLUOROHEXANE SULFONATE	108427-53-8	0.63	0.20	0.53	0.88	ug/kg	J	J	07
PERFLUOROHEXANOIC ACID	307-24-4	0.30	0.17	0.53	0.88	ug/kg	J	J	07
PERFLUORONONANOIC ACID	375-95-1	1.6	0.15	0.53	0.88	ug/kg		J	07
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.53	0.23	0.53	0.88	ug/kg	U	UJ	07
PERFLUOROOCTANE SULFONATE	1763-23-1	18	0.18	0.53	0.88	ug/kg		J	07
PERFLUOROOCTANOIC ACID	335-67-1	0.94	0.23	0.53	0.88	ug/kg		J	07
PERFLUOROPENTANOIC ACID	2706-90-3	0.35	0.16	0.53	0.88	ug/kg	J	J	07
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.35	0.097	0.35	0.88	ug/kg	U	UJ	07;10A
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.35	0.11	0.35	0.88	ug/kg	U	UJ	07;10A
PERFLUOROUNDECANOIC ACID	2058-94-8	0.44	0.16	0.53	0.88	ug/kg	J	J	07

Analysis Method: EPA 537 m

Sample Name		Matrix Type:			Result Type:				
BRLTN-RS-003		W			TRG				
Lab Sample Name:		Sample Date/Time:				Validation Level:			
EGH837		2017-04-20		11:10		Stage 2B			
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.010	0.0032	0.010	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.010	0.0048	0.010	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.014	0.0066	0.014	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.010	0.0040	0.010	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0028	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0029	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	<0.010	0.0036	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANE SULFONATE	1763-23-1	<0.010	0.0026	0.010	0.020	ug/L	U	U	
PERFLUOROOCCTANOIC ACID	335-67-1	<0.010	0.0046	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0043	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name		Matrix Type:			Result Type:					
BRLTN-WS-001		SO			TRG					
Lab Sample Name:		Sample Date/Time:				Validation Level:				
EGH850		2017-04-21		12:20		Stage 2B				
Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code	
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.27	0.21	0.55	0.92	ug/kg	J	J		
8:2 FLUOROTELOMER SULFONATE	39108-34-4	1.7	0.29	0.55	0.92	ug/kg				
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.16	0.55	0.92	ug/kg	U	U		
PERFLUOROBUTANOIC ACID	375-22-4	0.51	0.21	0.55	0.92	ug/kg	J	J	07	
PERFLUORODECANE SULFONATE	335-77-3	1.1	0.21	0.55	0.92	ug/kg				
PERFLUORODECANOIC ACID	335-76-2	0.32	0.12	0.37	0.92	ug/kg	J	J	07	
PERFLUORODODECANOIC ACID	307-55-1	<0.55	0.20	0.55	0.92	ug/kg	U	UJ	07	
PERFLUOROHEPTANOIC ACID	375-85-9	0.51	0.16	0.55	0.92	ug/kg	J	J	07	
PERFLUOROHEXANE SULFONATE	108427-53-8	19	0.21	0.55	0.92	ug/kg				
PERFLUOROHEXANOIC ACID	307-24-4	3.7	0.17	0.55	0.92	ug/kg		J	07	
PERFLUORONONANOIC ACID	375-95-1	0.60	0.16	0.55	0.92	ug/kg	J	J	07	
PERFLUOROOCCTANE SULFONAMIDE	754-91-6	77	2.4	5.5	9.2	ug/kg				
PERFLUOROOCCTANE SULFONATE	1763-23-1	220	1.9	5.5	9.2	ug/kg				
PERFLUOROOCCTANOIC ACID	335-67-1	6.3	0.24	0.55	0.92	ug/kg		J	07	
PERFLUOROPENTANOIC ACID	2706-90-3	0.52	0.17	0.55	0.92	ug/kg	J	J	07	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.37	0.10	0.37	0.92	ug/kg	U	UJ	07	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.37	0.11	0.37	0.92	ug/kg	U	UJ	07	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.55	0.17	0.55	0.92	ug/kg	U	UJ	07	

Analysis Method: EPA 537 m

Sample Name: BRLTN-WW-001 **Matrix Type:** W **Result Type:** TRG
Lab Sample Name: EGH849 **Sample Date/Time:** 2017-04-21 12:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	1.3	0.032	0.10	0.20	ug/L		J	10A
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.072	0.036	0.10	0.20	ug/L	J	J	10A
PERFLUOROBUTANE SULFONATE	29420-43-3	0.83	0.048	0.10	0.20	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.24	0.066	0.14	0.20	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.10	0.046	0.10	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.10	0.040	0.10	0.20	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.028	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.38	0.033	0.10	0.20	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	9.3	0.034	0.10	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	1.8	0.029	0.10	0.20	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.047	0.046	0.10	0.20	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.60	0.036	0.10	0.20	ug/L			
PERFLUOROOCTANE SULFONATE	1763-23-1	21	0.13	0.50	1.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	1.4	0.046	0.10	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.69	0.027	0.10	0.20	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.033	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.043	0.10	0.20	ug/L	U	U	

Appendix E

Investigation-Derived Waste Manifests

(Manifests will be provided after waste disposal.)

Appendix F
Soil Physiochemical Analytical Results

Table F-1 Soil Physiochemical Analyses Summary

APFF Area	Sample Number	Percent Passing No. 4 Screen	Percent Passing No. 200 Screen	USCS Classification	TOC (mg/kg)	pH	Percent Solids
APFF Area 1 Former FTA 1 (IRP Site 1)	BRLTN01-004-SS-001	98.4	18.8	SM	15,000	7.03	81.3
	BRLTN01-004-SO-008	95.5	7.9	SP-SM	1,030	6.98	86.7
APFF Area 2 Building 90 Former Fire Station	BRLTN02-005-SS-001	92.6	20.7	SM	25,600	7.17	65.5
	BRLTN02-005-SO-032	100.0	25.0	SM	331	7.49	88.1
APFF Area 3 Building 60 Current Fire Station	BRLTN03-004-SS-001	95.4	18.3	SM	2,940	7.26	91.9
	BRLTN03-004-SO-016	100.0	4.3	SP	316	7.48	86.2
APFF Area 4 Fire Department Equipment Testing Area	BRLTN04-005-SS-001	100.0	21.5	SM	5,160	7.44	81.4
	BRLTN04-005-SO-012	100.0	23.1	SM	484	7.67	89.0
APFF Area 5 F-16 Emergency Response Site	BRLTN05-004-SS-001	100.0	19.1	SM	983	7.29	75.5
	BRLTN05-004-SO-024	97.1	28.9	SM	434	7.48	85.4

APFF = aqueous film forming foam

FTA = fire training area

mg/kg = milligrams per kilogram

SM = silty sand

SP-SM = poorly graded silty sand

USCS = Unified Soil Classification System

BRLTN = Burlington Air National Guard Base

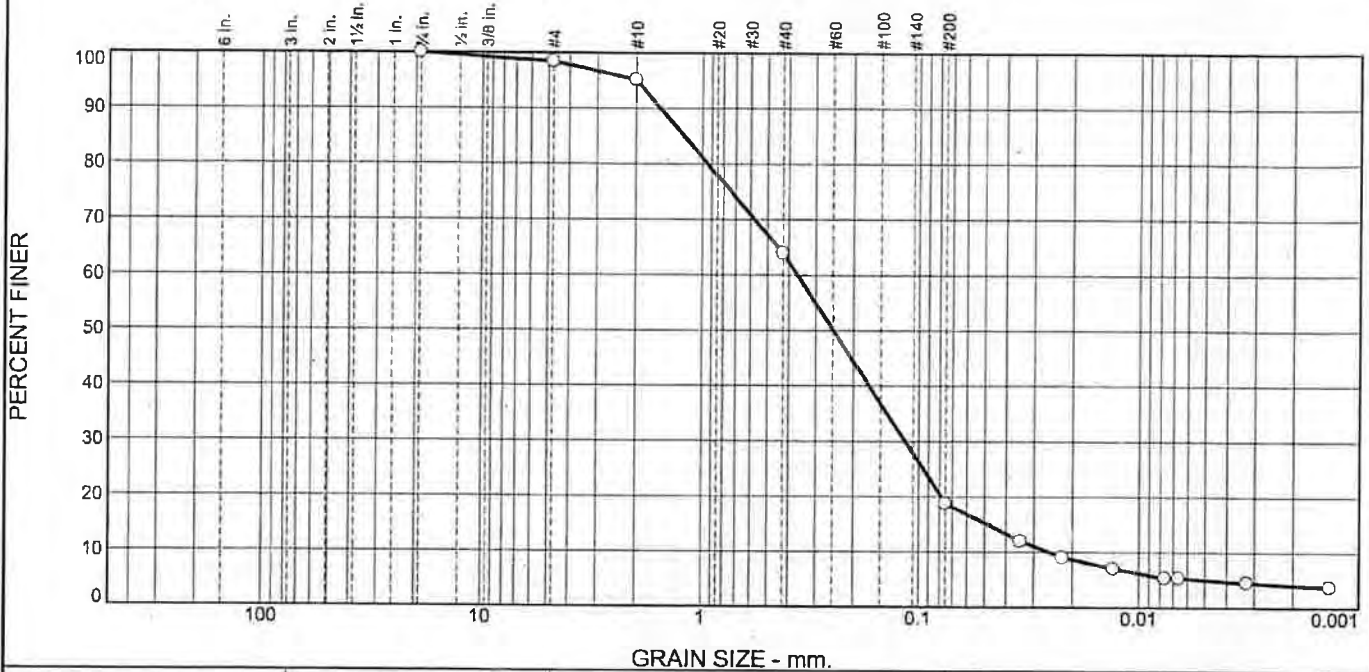
IRP = Installation Restoration Program

pH = potential of hydrogen

SP = poorly graded sand

TOC = total organic carbon

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.6	3.3	31.2	45.1	13.8	5.0

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	98.4		
#10	95.1		
#40	63.9		
#200	18.8		
0.0344 mm.	12.0		
0.0222 mm.	9.1		
0.0130 mm.	7.0		
0.0076 mm.	5.3		
0.0066 mm.	5.3		
0.0032 mm.	4.5		
0.0014 mm.	3.7		

(no specification provided)

Client Sample Description

BRLTN01-004-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= SM AASHTO (M 145)= A-2-4(0)

Coefficients

D₉₀= 1.5538 D₈₅= 1.2116 D₆₀= 0.3653
D₅₀= 0.2488 D₃₀= 0.1154 D₁₅= 0.0486
D₁₀= 0.0255 C_u= 14.33 C_c= 1.43

Remarks

Date Received: 4/25/17 Date Tested: 4/27/17
Tested By: DWB
Checked By: SMF
Title: ENVIRO. DIRECTOR

Sample Number: 858388

Date Sampled: 4/20/17

Mi-Tech Services, Inc.

Weston, WI

Client: CT Laboratories
Project: SIA PFF SAVANNAH - BURLINGTON ARB, VT
 (PO 126836 MITECH)
Project No: 10671 Figure 1

INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN01-004-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>81.3</u>	Lab Sample ID:	<u>858388</u>	
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>12:20</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	15000		44	92	180	180



1

INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN01-004-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>81.3</u>	Lab Sample ID:	<u>858388</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.03		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

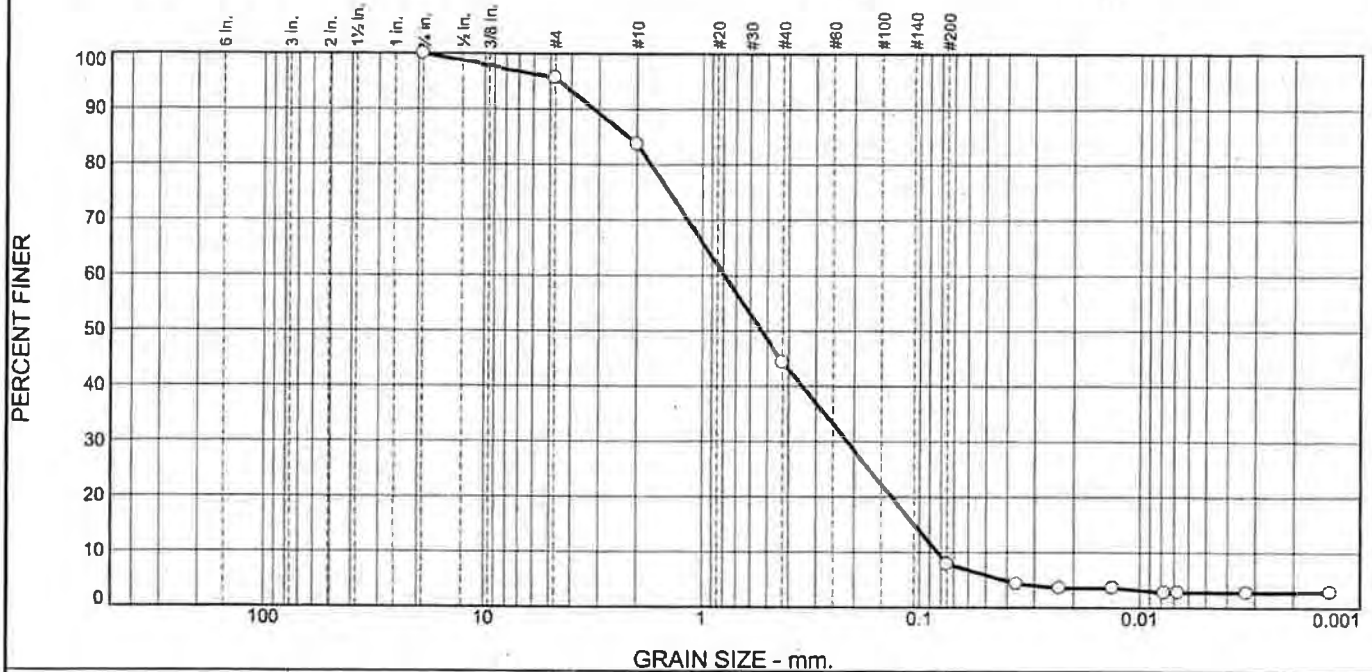
Sample Description

BRLTN01-004-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SIA FFF SAVANNAH
Matrix (soil/water):	SOIL	SDG No.:	126836
% Solids:	81.3	Lab Sample ID:	858388
Analytical Method:	EPA 8000C	Date Received:	04/22/2017
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	137160	Analysis Date/Time	04/25/2017 08:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.3		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	4.5	11.8	39.4	36.4	5.2	2.7

Opening Size	Percent Finer	Spec. (Percent)	Pass? (X=Fail)
.75	100.0		
#4	95.5		
#10	83.7		
#40	44.3		
#200	7.9		
0.0363 mm.	4.4		
0.0231 mm.	3.6		
0.0133 mm.	3.6		
0.0077 mm.	2.7		
0.0067 mm.	2.7		
0.0033 mm.	2.7		
0.0014 mm.	2.7		

(no specification provided)

Client Sample Description		
BRLTN01-004-SO-008		
Atterberg Limits (ASTM D 4318)		
PL= NP	LL= NV	PI=
Classification		
USCS (D 2487)= SP-SM	AASHTO (M 145)= A-1-b	
Coefficients		
D ₉₀ = 3.1730	D ₈₅ = 2.2034	D ₆₀ = 0.7887
D ₅₀ = 0.5323	D ₃₀ = 0.2153	D ₁₅ = 0.1053
D ₁₀ = 0.0830	C _u = 9.50	C _c = 0.71
Remarks		
Date Received: 4/25/17		Date Tested: 4/27/17
Tested By: DWB		
Checked By: SMF		
Title: ENVIRO. DIRECTOR		

Sample Number: 858389

Date Sampled: 4/20/17

Mi-Tech Services, Inc. Weston, WI	Client: CT Laboratories
	Project: SIA FFF SAVANNAH - BURLINGTON ARB, VT (PO 126836 MITECH)
Project No: 10671	Figure 2



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN01-004-SO-008

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>86.7</u>	Lab Sample ID:	<u>858389</u>	
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	<u></u>	
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:34</u>
Analytical Prep Batch #:	<u></u>	Prep. Date/Time:	<u></u>	
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	1030		42	87	170	170

INORGANIC ANALYSIS DATA SHEET

BRLTN02-005-SS-001

Lab Name:	<u>GT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>		
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>		
% Solids:	<u>65.5</u>	Lab Sample ID:	<u>858390</u>		
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>		
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/Time:	<u></u>		
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:40</u>	
Analytical Prep Batch #:	<u></u>	Prep. Date/Time:	<u></u>		
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>		

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	25600		55	110	230	230



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN02-005-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>65.5</u>	Lab Sample ID:	<u>858390</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.17		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

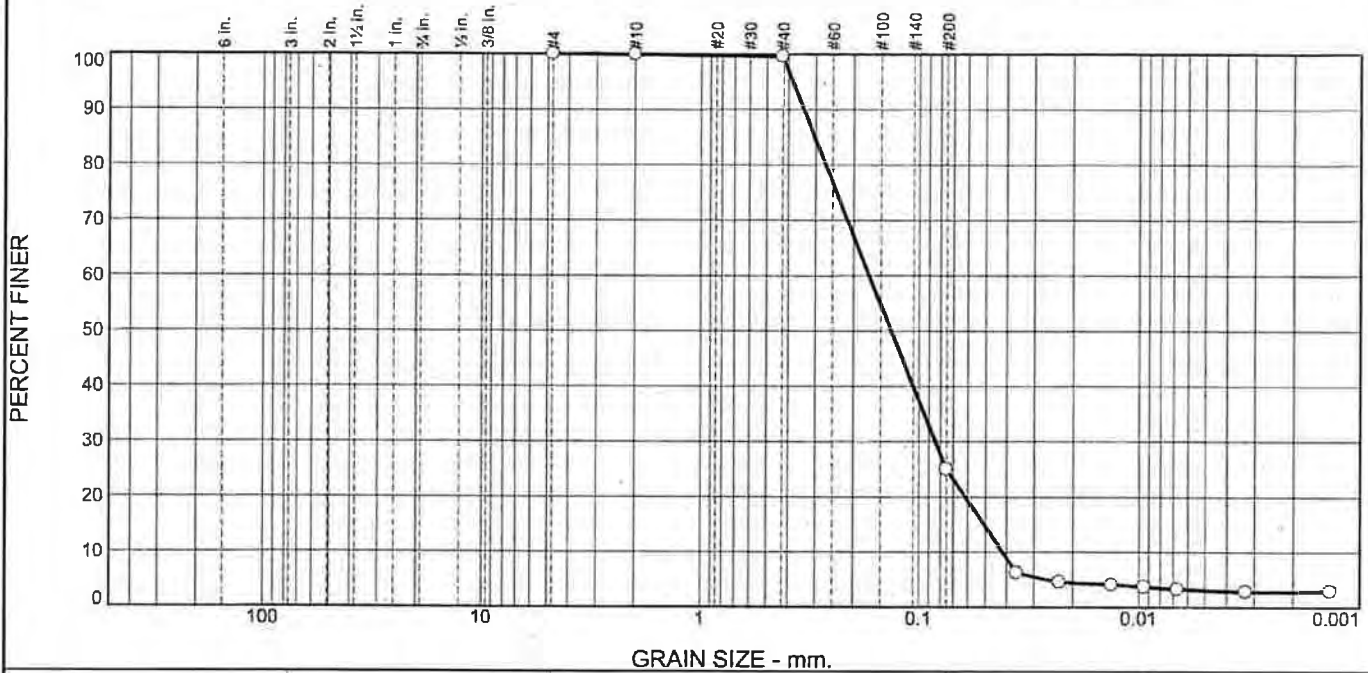
Sample Description

BRLTN02-005-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>65.5</u>	Lab Sample ID:	<u>858390</u>	
Analytical Method:	<u>EPA 8000C</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137160</u>	Analysis Date/Time	<u>04/25/2017</u>	<u>08:00</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>%</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	65.5		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.3	74.6	21.9	3.1

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#4	100.0		
#10	99.9		
#40	99.6		
#200	25.0		
0.0359 mm.	6.2		
0.0229 mm.	4.5		
0.0133 mm.	4.1		
0.0094 mm.	3.7		
0.0067 mm.	3.3		
0.0033 mm.	2.8		
0.0014 mm.	2.8		

BRLTN02-005-SO-032
PL= NP LL= NV PI=
USCS (D 2487)= SM Classification AASHTO (M 145)= A-2-4(0)
Coefficients
D ₉₀ = 0.3401 D ₈₅ = 0.3028 D ₆₀ = 0.1693
D ₅₀ = 0.1342 D ₃₀ = 0.0843 D ₁₅ = 0.0507
D ₁₀ = 0.0416 C _u = 4.07 C _c = 1.01
Remarks
Date Received: 4/25/17 Date Tested: 4/27/17
Tested By: DWB
Checked By: SMF
Title: ENVIRO. DIRECTOR

(no specification provided)

Sample Number: 858391

Date Sampled: 4/18/17

Mi-Tech Services, Inc.

Weston, WI

Client: CT Laboratories

Project: SIA FFF SAVANNAH - BURLINGTON ARB, VT
(PO 126836 MITECH)

Project No: 10671

Figure 4



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN02-005-SO-032

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>88.1</u>	Lab Sample ID:	<u>858391</u>	
Analytical Method:	<u>EPA 8000C</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137160</u>	Analysis Date/Time	<u>04/25/2017</u>	<u>08:00</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>%</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	88.1		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

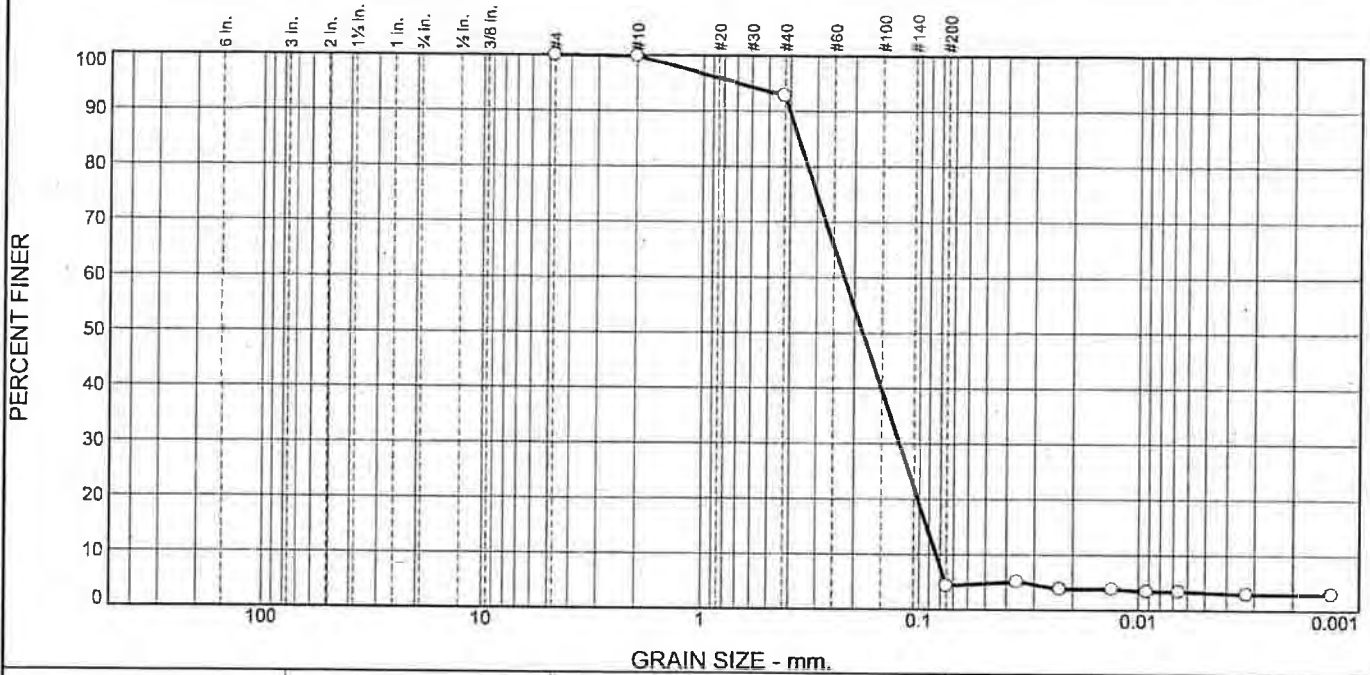
Sample Description

BRLTN03-004-SS-001

Lab Name:	<u>CT Laboratorfes</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>91.9</u>	Lab Sample ID:	<u>858392</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.28		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.2	7.1	88.4	1.1	3.2

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#4	100.0		
#10	99.8		
#40	92.7		
#200	4.3		
0.0358 mm.	5.1		
0.0228 mm.	3.8		
0.0132 mm.	3.8		
0.0092 mm.	3.4		
0.0066 mm.	3.4		
0.0032 mm.	2.9		
0.0014 mm.	2.9		

Client Sample Description

BRLTN03-004-SO-016

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI=

Classification

USCS (D 2487)= SP AASHTO (M 145)= A-3

Coefficients

D₉₀= 0.4028 D₈₅= 0.3651 D₆₀= 0.2236
D₅₀= 0.1838 D₃₀= 0.1241 D₁₅= 0.0925
D₁₀= 0.0838 C_u= 2.67 C_c= 0.82

Remarks

Date Received: 4/25/17 Date Tested: 4/27/17
Tested By: DWB
Checked By: SMF
Title: ENV. DIRECTOR

(no specification provided)

Sample Number: 858393

Date Sampled: 4/18/17

Mi-Tech Services, Inc. Weston, WI	Client: CT Laboratories Project: SIA FFF SAVANNAH - BURLINGTON ARB, VT (PO 126836 MITECH) Project No: 10671
Figure 6	



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN03-004-SO-016

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>86.2</u>	Lab Sample ID:	<u>858393</u>	
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>15:19</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	316		42	87	170	170



1
INORGANIC ANALYSIS DATA SHEET

BRLTN03-004-SO-016

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>86.2</u>	Lab Sample ID:	<u>858393</u>	
Analytical Method:	<u>EPA 8045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:		
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:		Prep. Date/Time:		
ICAL Calibration #:		Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.48		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN04-005-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>81.4</u>	Lab Sample ID:	<u>858396</u>	
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>14:22</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	5160		44	92	180	180



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN04-005-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>81.4</u>	Lab Sample ID:	<u>858396</u>	
Analytical Method:	<u>EPA 8045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.44		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

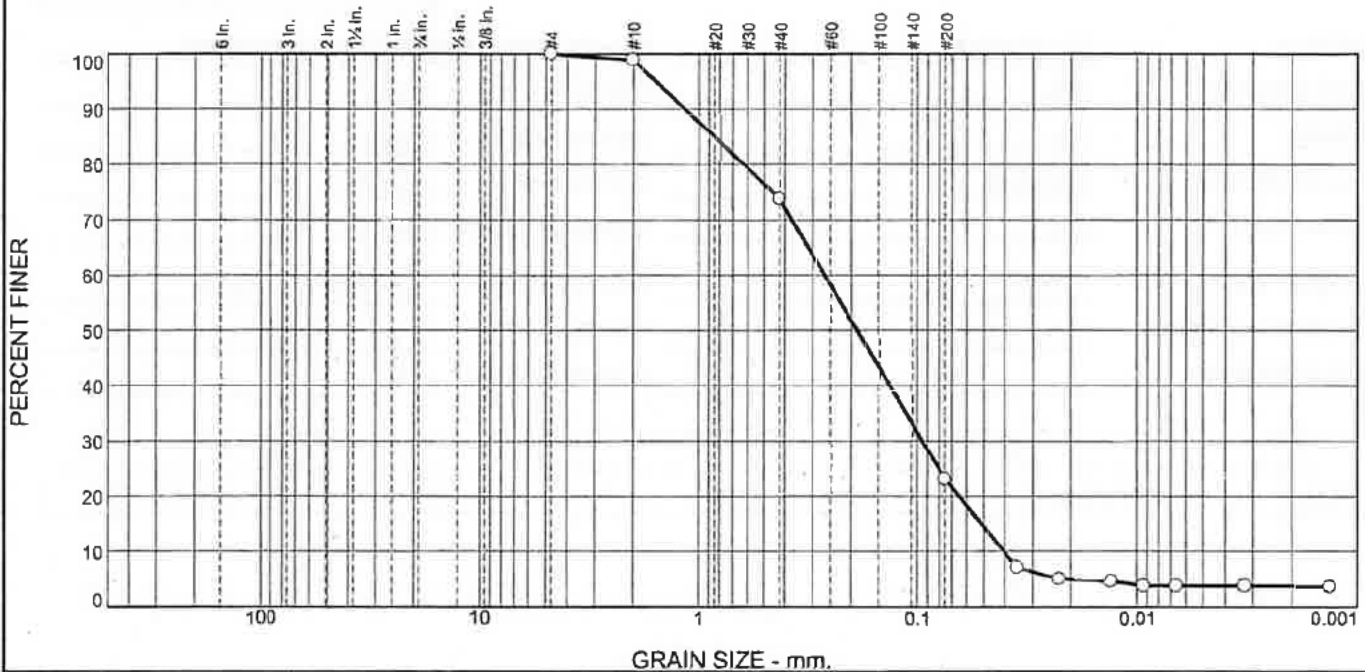
Sample Description

BRLTN04-005-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>81.4</u>	Lab Sample ID:	<u>858396</u>	
Analytical Method:	<u>EPA 8000C</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137160</u>	Analysis Date/Time	<u>04/25/2017</u>	<u>08:00</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>%</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.4		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	1.1	25.1	50.7	19.4	3.7

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec. ^a (Percent)	Pass? (X=Fail)
#4	100.0		
#10	98.9		
#40	73.8		
#200	23.1		
0.0353 mm.	7.1		
0.0226 mm.	5.0		
0.0131 mm.	4.6		
0.0093 mm.	3.7		
0.0066 mm.	3.7		
0.0032 mm.	3.7		
0.0013 mm.	3.7		

Client Sample Description		
BRLTN04-005-SO-012		
Atterberg Limits (ASTM D 4318)		
PL= NP	LL= NV	PI=
Classification		
USCS (D 2487)= SM	AASHTO (M 145)= A-2-4(0)	
Coefficients		
D ₉₀ = 1.1545	D ₈₅ = 0.8477	D ₆₀ = 0.2649
D ₅₀ = 0.1882	D ₃₀ = 0.0949	D ₁₅ = 0.0511
D ₁₀ = 0.0404	C _u = 6.56	C _c = 0.84
Remarks		
Date Received: 4/25/17		Date Tested: 4/27/17
Tested By: DWB		
Checked By: SMF		
Title: ENVIRO. DIRECTOR		

^a(no specification provided)

Sample Number: 858397

Date Sampled: 4/20/17

Mi-Tech Services, Inc. Weston, WI	Client: CT Laboratories Project: SIA FFF SAVANNAH - BURLINGTON ARB, VT (PO 126836 MITECH) Project No: 10671
	Figure 10



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN04-005-SO-012

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126838</u>	
% Solids:	<u>89.0</u>	Lab Sample ID:	<u>858397</u>	
Analytical Method:	<u>L-Kahn/9060A</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137280</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>15:08</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	<u>INSTRUMENT =</u>	Concentration Units:	<u>mg/kg</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	484		40	84	170	170



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN04-005-SO-012

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>89.0</u>	Lab Sample ID:	<u>858397</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.67		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

Sample Description

BRLTN04-005-SO-012

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>89.0</u>	Lab Sample ID:	<u>858397</u>	
Analytical Method:	<u>EPA 8000C</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1.00</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137160</u>	Analysis Date/Time	<u>04/25/2017</u>	<u>08:00</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>%</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	89.0		0.1	0.1	0.1	0.1



INORGANIC ANALYSIS DATA SHEET

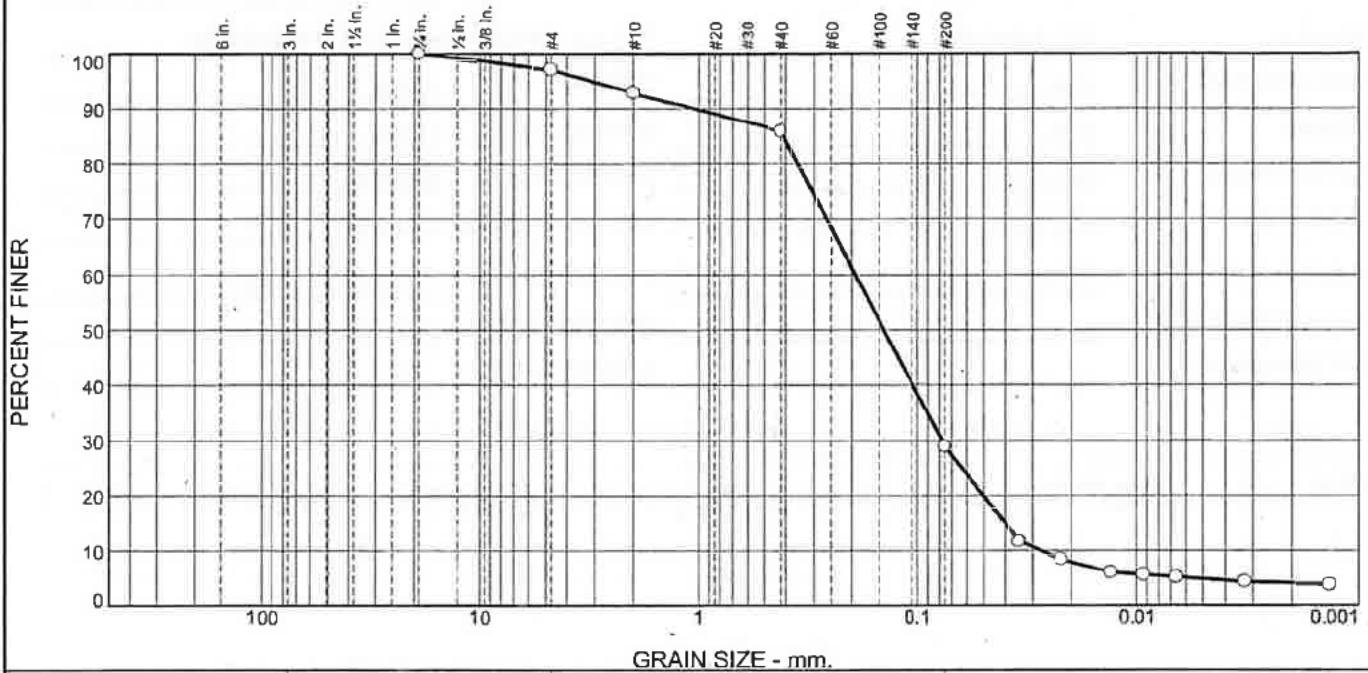
Sample Description

BRLTN05-004-SS-001

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>75.5</u>	Lab Sample ID:	<u>858394</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.29		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	2.9	4.3	6.7	57.2	24.0	4.9

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	97.1		
#10	92.8		
#40	86.1		
#200	28.9		
0.0344 mm.	11.7		
0.0223 mm.	8.5		
0.0131 mm.	6.0		
0.0093 mm.	5.6		
0.0066 mm.	5.2		
0.0032 mm.	4.4		
0.0014 mm.	4.0		

* (no specification provided)

Client Sample Description

BRLTN05-004-SO-024

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI=

Classification

USCS (D 2487)= SM AASHTO (M 145)= A-2-4(0)

Coefficients

D₉₀= 1.0486 D₈₅= 0.4116 D₆₀= 0.1928
 D₅₀= 0.1424 D₃₀= 0.0776 D₁₅= 0.0399
 D₁₀= 0.0273 C_u= 7.05 C_c= 1.14

Remarks

Date Received: 4/25/17 Date Tested: 4/27/17

Tested By: DWB

Checked By: SMF

Title: ENVIRO. DIRECTOR

Sample Number: 858395

Date Sampled: 4/19/17

Mi-Tech Services, Inc.

Weston, WI

Client: CT Laboratories
 Project: SLA FFF SAVANNAH - BURLINGTON ARB, VT
 (PO 126836 MITECH)
 Project No: 10671

Figure 8

1
INORGANIC ANALYSIS DATA SHEET

BRLTN05-004-SO-024

Lab Name:	<u>CT Laboratories</u>	Contract:	<u>MAXXAM ANALYTICS-SIA FFF SAVANNAH</u>	
Matrix (soil/water):	<u>SOIL</u>	SDG No.:	<u>126836</u>	
% Solids:	<u>85.4</u>	Lab Sample ID:	<u>858395</u>	
Analytical Method:	<u>EPA 9045D</u>	Date Received:	<u>04/22/2017</u>	
Dilution Factor:	<u>1</u>	TCLP/SPLP Extraction Date/time:	_____	
Analytical Run #:	<u>137341</u>	Analysis Date/Time	<u>04/28/2017</u>	<u>13:15</u>
Analytical Prep Batch #:	_____	Prep. Date/Time:	_____	
ICAL Calibration #:	_____	Concentration Units:	<u>S.U.</u>	

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.48		0.1	0.1	0.1	0.1

Appendix G
Groundwater Level Measurements and Elevations

Table G-1 Groundwater Level Measurements and Elevations – April 21, 2017

AFFF Area	Well ID	Well Type	Northing ^{1,2}	Easting	Total Depth	Ground Surface Elevation ³ (ft)	Top of Casing Elevation ^{2,3} (ft)	Depth to Water 4/21/17 (ft)	Groundwater Elevation ³ 4/21/17 (ft)
	V1-BP-2	Permanent	721641.74	1470494.14	14.2	Not Available	313.97	8.67	305.30
	V1-BP-3	Permanent	721645.72	1470587.06	13.94	Available	319.09	11.10	307.99
	V1-MW-102	Permanent	721851.15	1471577.07	11	Available	256.19	6.82	249.37
AFFF Area 1 FTA 1	V1-MW-103	Permanent	721948.28	1471188.86	13.89	Available	263.90	3.07	260.83
	V1-MW-13L	Permanent	721911.49	1471098.15	22.81	Available	268.38	8.00	260.38
	V1-MW-14L	Permanent	721970.10	1471168.59	10.3	Available	262.31	3.76	258.55
	V1-MW-2	Permanent	721604.43	1470425.86	19.75	Available	314.26	8.77	305.49
AFFF Area 2 Building 90 Former Fire Station	V1-MW-4	Permanent	721731.14	1470840.35	26.96	Available	312.02	18.95	293.07
	BRLTN02-001	Temporary	720614.44	1470801.08	30.0	326.01	328.41	25.05	303.36
	BRLTN02-002	Temporary	720700.71	1470910.10	30.0	324.92	327.43	27.43	300.00
AFFF Area 3 Building 60 Current Fire Station	BRLTN02-003	Temporary	720633.94	1470962.30	35.0	325.28	327.95	29.29	298.66
	BRLTN03-001	Temporary	721023.55	1470428.44	25.0	324.45	327.40	18.87	308.53
	BRLTN03-002	Temporary	721050.72	1470450.06	25.0	323.78	326.60	18.35	308.25

¹Vermont State Plane North America Datum 1983

²Coordinates and top of casing elevations for Area 1 wells taken from Table 4-1 Synoptic WL Measurements and Elevations, Final RI Report - Sites 1, 2, 3, 4, 5A, and 5B, 158th Fighter Wing, VANG, Burlington Air National Guard Base, South Burlington, Vermont, CH2MHill March 2010.

³North American Vertical Datum 1988

AFFF = aqueous film forming foam

FTA = fire training area

MW = monitoring well

BRLTN = Burlington
ID = identification

McDougall, Robert

From: [REDACTED]@aol.com
Sent: Thursday, February 13, 2020 9:52 AM
To: [REDACTED]@gmail.com; McDougall, Robert; Murphy, Laura
Subject: Re: PFAS, thank you

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.
Dear Robert and Laura:

I want to echo my thanks for yesterday's highly informative meeting. I appreciate the time you took to fill us in on what is happening with the two lawsuits.

In peace,
Marguerite Adelman
Women's International League for Peace and Freedom (WILPF)

-----Original Message-----

From: James Ehlers <[REDACTED]@gmail.com>
To: robert.mcdougall <robert.mcdougall@vermont.gov>; laura.murphy <laura.murphy@vermont.gov>
Cc: marguerite adelman <[REDACTED]@aol.com>
Sent: Thu, Feb 13, 2020 9:34 am
Subject: PFAS, thank you

Robert and Laura,
Thank you for your time and, again, your service to our state.

Attached is the report we repeatedly referred to.

With gratitude,
James Ehlers

McDougall, Robert

From: Murphy, Laura
Sent: Friday, February 14, 2020 5:02 PM
To: [REDACTED]@aol.com; [REDACTED]@gmail.com; McDougall, Robert
Subject: RE: PFAS, thank you

Dear Marguerite and James,

Thank you for your notes, and it was nice meeting you both.
Laura

Laura B. Murphy
Assistant Attorney General
Environmental Protection Division
Vermont Attorney General's Office
109 State Street
Montpelier, VT 05609
(802) 828-1059
laura.murphy@vermont.gov

From: [REDACTED]@aol.com <[REDACTED]@aol.com>
Sent: Thursday, February 13, 2020 9:52 AM
To: [REDACTED]@gmail.com; McDougall, Robert <robert.mcdougall@vermont.gov>; Murphy, Laura <Laura.Murphy@vermont.gov>
Subject: Re: PFAS, thank you

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.
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James Ehlers