

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV970				CVV974			
Sampling Date		2016/08/06 10:10				2016/08/06 11:55			
COC Number		na				na			
	UNITS	MCGRE02-008-GW-015	RDL	MDL	QC Batch	MCGRE02-007-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	210 U <i>u</i>	800	210	4615350	31 J <i>J</i>	40	8.7	4623649
8:2 Fluorotelomer sulfonate	ng/L	280 U <i>u</i>	800	280	4615350	9.9 U <i>u</i>	40	9.9	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	1800	800	230	4615350	80	20	2.7	4623649
Perfluorobutanoic acid	ng/L	880	800	200	4615350	32	20	4.1	4623649
Perfluorodecane Sulfonate	ng/L	220 U <i>u</i>	800	220	4615350	3.8 U <i>u</i>	20	3.8	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	200 U <i>J</i>	800	200	4615350	3.2 J <i>J</i>	20	2.4	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	160 U <i>J</i>	800	160	4615350	6.3 U <i>u</i>	20	6.3	4623649
Perfluoroheptanoic Acid (PFHpA)	ng/L	420 J <i>J</i>	800	270	4615350	20 J <i>J</i>	20	3.9	4623649
Perfluorohexane Sulfonate (PFHxS)	ng/L	18000	800	160	4615350	570	20	4.0	4623649
Perfluorohexanoic Acid (PFHxA)	ng/L	3400	800	170	4615350	130	20	4.2	4623649
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	1900	800	200	4615350	60	20	3.9	4623649
Perfluorononanoic Acid (PFNA)	ng/L	190 U <i>u</i>	800	190	4615350	4.4 J <i>J</i>	20	3.3	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	230 U <i>u</i>	800	230	4615350	5.9 U <i>u</i>	40	5.9	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	100000	8000	1400	4615350	2600 (1)	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	940	800	210	4615350	45	20	4.6	4623649
Perfluorotetradecanoic Acid	ng/L	200 U <i>UJ 10a</i>	800	200	4615350	6.1 U <i>u</i>	20	6.1	4623649
Perfluorotridecanoic Acid	ng/L	300 U <i>UJ 10a</i>	800	300	4615350	6.0 U <i>u</i>	20	6.0	4623649
Perfluoroundecanoic Acid (PFUnA)	ng/L	140 U <i>u</i>	800	140	4615350	5.0 U <i>u</i>	20	5.0	4623649
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	110	N/A	N/A	4615350	104	N/A	N/A	4615350
13C4-Perfluorooctanoic acid	%	100	N/A	N/A	4615350	87	N/A	N/A	4623649
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV977				CVV979			
Sampling Date		2016/08/06 13:40				2016/08/06 14:35			
COC Number		na				na			
	UNITS	MCGRE02-006-GW-015	RDL	MDL	QC Batch	MCGRE02-005-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	19 J J	80	17	4623649	0.87 U u	4.0	0.87	4623649
8:2 Fluorotelomer sulfonate	ng/L	20 U u	80	20	4623649	0.99 U u	4.0	0.99	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	530	40	5.4	4623649	60 J 8a	2.0	0.27	4623649
Perfluorobutanoic acid	ng/L	200	40	8.2	4623649	26 J 7a, 10a, 8a	2.0	0.41	4623649
Perfluorodecane Sulfonate	ng/L	7.6 U u	40	7.6	4623649	0.38 U u	2.0	0.38	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	6.3 J J	40	4.8	4623649	0.58 J J 7a	2.0	0.24	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	13 U u	40	13	4623649	0.63 U u 7a	2.0	0.63	4623649
Perfluoroheptanoic Acid (PFHpA)	ng/L	81	40	7.8	4623649	26 J 7a	2.0	0.39	4623649
Perfluorohexane Sulfonate (PFHxS)	ng/L	4000 (1)	800	160	4615350	340 (2)	20	4.0	4623649
Perfluorohexanoic Acid (PFHxA)	ng/L	1100 (1)	800	170	4615350	120 (2) J 7a	20	4.2	4623649
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	280	40	7.8	4623649	82 J 7a, 8a	2.0	0.39	4623649
Perfluorononanoic Acid (PFNA)	ng/L	9.2 J J	40	6.6	4623649	6.3 J 7a	2.0	0.33	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	13 J J	80	12	4623649	0.59 U u	4.0	0.59	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	13000 (1)	800	140	4615350	220 (2)	20	3.0	4623649
Perfluoropentanoic Acid (PFPeA)	ng/L	240	40	9.2	4623649	51 J 7a, 8a	2.0	0.46	4623649
Perfluorotetradecanoic Acid	ng/L	12 U u	40	12	4623649	0.61 U u 7a	2.0	0.61	4623649
Perfluorotridecanoic Acid	ng/L	12 U u	40	12	4623649	0.60 U u	2.0	0.60	4623649
Perfluoroundecanoic Acid (PFUnA)	ng/L	10 U u	40	10	4623649	0.50 U u	2.0	0.50	4623649
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	99	N/A	N/A	4615350	119	N/A	N/A	4623649
13C4-Perfluorooctanoic acid	%	96	N/A	N/A	4623649	64	N/A	N/A	4623649
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV980				CVV982			
Sampling Date		2016/08/06 14:35				2016/08/06 15:25			
COC Number		na				na			
	UNITS	MCGRE02-005-GW-9015	RDL	MDL	QC Batch	MCGRE02-004-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	2.1 J 10a	4.0	0.87	4623649	520	200	44	4623649
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	4.0	0.99	4623649	50 U u	200	50	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	48	2.0	0.27	4623649	5600 (1)	800	230	4615350
Perfluorobutanoic acid	ng/L	27 (2)	20	4.1	4623649	1400 (1)	800	200	4615350
Perfluorodecane Sulfonate	ng/L	0.38 J J	2.0	0.38	4623649	19 U u	100	19	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	0.56 J J	2.0	0.24	4623649	12 U u	100	12	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	0.90 J J	2.0	0.63	4623649	32 U u	100	32	4623649
Perfluoroheptanoic Acid (PFHpA)	ng/L	23	2.0	0.39	4623649	1700 (1)	800	270	4615350
Perfluorohexane Sulfonate (PFHxS)	ng/L	400 (3)	20	4.0	4623649	22000 (1)	800	160	4615350
Perfluorohexanoic Acid (PFHxA)	ng/L	160 (3)	20	4.2	4623649	6500 (1)	800	170	4615350
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	70	2.0	0.39	4623649	3700 (1)	800	200	4615350
Perfluorononanoic Acid (PFNA)	ng/L	5.5	2.0	0.33	4623649	31 J J	100	17	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	1.1 J J	4.0	0.59	4623649	30 U u	200	30	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	270 (3)	20	3.0	4623649	9200	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	47	2.0	0.46	4623649	2000 (1)	800	210	4615350
Perfluorotetradecanoic Acid	ng/L	1.1 J J 10a	2.0	0.61	4623649	31 U u	100	31	4623649
Perfluorotridecanoic Acid	ng/L	1.3 J J 10a	2.0	0.60	4623649	30 U u	100	30	4623649
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U u	2.0	0.50	4623649	25 U u	100	25	4623649
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	91	N/A	N/A	4623649	102	N/A	N/A	4615350
13C4-Perfluorooctanoic acid	%	79	N/A	N/A	4623649	104	N/A	N/A	4615350
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to matrix interference, sample required 10x dilution. Detection limits were adjusted accordingly. (3) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV983			CVV984			
Sampling Date		2016/08/07 09:25			2016/08/07 10:55			
COC Number		na			na			
	UNITS	MCGRE01-HYDRANTOU- MW02-GW-018	RDL	MDL	MCGRE03-OU7-MW141I- GW-040	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	39	4.0	0.87	3.0 J J 10a	4.0	0.87	4623649
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	4.0	0.99	0.99 U u	4.0	0.99	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	21	2.0	0.27	1.4 J J	2.0	0.27	4623649
Perfluorobutanoic acid	ng/L	58 J 7a	2.0	0.41	1.1 J J	2.0	0.41	4623649
Perfluorodecane Sulfonate	ng/L	0.38 U u	2.0	0.38	0.38 U u	2.0	0.38	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U UJ 7a	2.0	0.24	0.74 J J	2.0	0.24	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U UJ 7a	2.0	0.63	0.63 U u	2.0	0.63	4623649
Perfluoroheptanoic Acid (PFHpA)	ng/L	150 (1)	20	3.9	0.41 J J	2.0	0.39	4623649
Perfluorohexane Sulfonate (PFHxS)	ng/L	430 (1)	20	4.0	1.9 J J	2.0	0.40	4623649
Perfluorohexanoic Acid (PFHxA)	ng/L	240 (1)	20	4.2	0.87 J J	2.0	0.42	4623649
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	160 (1)	20	3.9	0.97 J J	2.0	0.39	4623649
Perfluorononanoic Acid (PFNA)	ng/L	14 J 7a	2.0	0.33	0.33 U u	2.0	0.33	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U UJ 10a	4.0	0.59	0.59 U u	4.0	0.59	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	150 (1)	20	3.0	3.4	2.0	0.30	4623649
Perfluoropentanoic Acid (PFPeA)	ng/L	170 (1)	20	4.6	1.3 J J	2.0	0.46	4623649
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 7a/10a	2.0	0.61	0.61 U UJ 10a	2.0	0.61	4623649
Perfluorotridecanoic Acid	ng/L	0.60 U ↓ 10a	2.0	0.60	0.60 U UJ 10a	2.0	0.60	4623649
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U ↓	2.0	0.50	0.50 U u	2.0	0.50	4623649
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	95	N/A	N/A	106	N/A	N/A	4623649
13C4-Perfluorooctanoic acid	%	68	N/A	N/A	87	N/A	N/A	4623649
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.								

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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV985				CVV986			
Sampling Date		2016/08/07 12:55				2016/08/07 13:55			
COC Number		na				na			
	UNITS	MCGRE03-IU1E32MW01- GW-017	RDL	MDL	QC Batch	MCGRE03- IU1E22 MW01-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	16	4.0	0.87	4623649	81	4.0	0.87	4623649
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	4623649	0.99 U <i>u</i>	4.0	0.99	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	25	2.0	0.27	4623649	14	2.0	0.27	4623649
Perfluorobutanoic acid	ng/L	51 (1)	20	4.1	4623649	58 <i>JB</i>	2.0	0.41	4623649
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	4623649	0.38 U <i>u</i>	2.0	0.38	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	0.36 J <i>J</i>	2.0	0.24	4623649	1.6 J <i>J</i>	2.0	0.24	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	2.0	0.63	4623649	0.63 U <i>u</i>	2.0	0.63	4623649
Perfluoroheptanoic Acid (PFHpA)	ng/L	47	2.0	0.39	4623649	98	2.0	0.39	4623649
Perfluorohexane Sulfonate (PFHxS)	ng/L	130 (2)	20	4.0	4623649	310 (2)	20	4.0	4623649
Perfluorohexanoic Acid (PFHxA)	ng/L	97 (2)	20	4.2	4623649	210 (2)	20	4.2	4623649
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	95	2.0	0.39	4623649	290 (2)	20	3.9	4623649
Perfluorononanoic Acid (PFNA)	ng/L	3.7	2.0	0.33	4623649	36	2.0	0.33	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	2.4 J <i>JB 6C</i>	4.0	0.59	4623649	1.4 <i>JB 6C</i>	4.0	0.59	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	92 (2)	20	3.0	4623649	980 (3)	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	60	2.0	0.46	4623649	120 (2)	20	4.6	4623649
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>UT 10a</i>	2.0	0.61	4623649	0.61 U <i>UT 10a</i>	2.0	0.61	4623649
Perfluorotridecanoic Acid	ng/L	0.60 U <i>UT 10a</i>	2.0	0.60	4623649	0.60 U <i>UT 10a</i>	2.0	0.60	4623649
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	4623649	0.50 U <i>u</i>	2.0	0.50	4623649
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	114	N/A	N/A	4623649	109	N/A	N/A	4623649
13C4-Perfluorooctanoic acid	%	74	N/A	N/A	4623649	96	N/A	N/A	4615350
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to matrix interference, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

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Aerostar SES LLC
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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV987				CVV988			
Sampling Date		2016/08/07 15:20				2016/08/07 16:35			
COC Number		na				na			
	UNITS	MCGRE03-SS24-NAW-14- GW-020	RDL	MDL	QC Batch	MCGRE03-SS36- MW01-GW-014	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	960 (1)	800	210	4615350	1100 (1)	800	210	4615352
8:2 Fluorotelomer sulfonate	ng/L	9.9 U <i>u</i>	40	9.9	4623649	82 (2)	80	20	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	350	20	2.7	4623649	140 (2)	40	5.4	4623650
Perfluorobutanoic acid	ng/L	73	20	4.1	4623649	300 (2)	40	8.2	4623650
Perfluorodecane Sulfonate	ng/L	3.8 U <i>u</i>	20	3.8	4623649	18 J (2) <i>J</i>	40	7.6	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U <i>u</i>	20	2.4	4623649	22 J (2) <i>J</i>	40	4.8	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U <i>u</i>	20	6.3	4623649	13 U (2) <i>u</i>	40	13	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	140	20	3.9	4623649	460 (2)	40	7.8	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	1400 (1)	800	160	4615350	3200 (1)	800	160	4615352
Perfluorohexanoic Acid (PFHxA)	ng/L	870 (1)	800	170	4615350	920 (1)	800	170	4615352
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	110	20	3.9	4623649	500 (2)	40	7.8	4623650
Perfluorononanoic Acid (PFNA)	ng/L	42	20	3.3	4623649	160 (2)	40	6.6	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U <i>u</i>	40	5.9	4623649	27 J (2) <i>J</i>	80	12	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	4400 (1)	800	140	4615350	6800 (1)	800	140	4615352
Perfluoropentanoic Acid (PFPeA)	ng/L	190	20	4.6	4623649	1300 (1)	800	210	4615352
Perfluorotetradecanoic Acid	ng/L	6.1 U <i>UJ 10a</i>	20	6.1	4623649	12 U (2) <i>u</i>	40	12	4623650
Perfluorotridecanoic Acid	ng/L	6.0 U <i>UJ 10a</i>	20	6.0	4623649	12 U (2) <i>u</i>	40	12	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U <i>u</i>	20	5.0	4623649	10 U (2) <i>u</i>	40	10	4623650
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	98	N/A	N/A	4615350	91	N/A	N/A	4615352
13C4-Perfluorooctanoic acid	%	86	N/A	N/A	4623649	92	N/A	N/A	4623650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required 20x dilution. Detection limit was adjusted accordingly.									

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RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV989				CVV990			
Sampling Date		2016/08/07 16:35				2016/08/07 09:35			
COC Number		na				na			
	UNITS	MCGRE03-SS36- MW01-GW-914	RDL	MDL	QC Batch	RINSATE04	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	1100 (1)	800	210	4615350	0.87 U	4.0	0.87	4615334
8:2 Fluorotelomer sulfonate	ng/L	79	40	9.9	4623649	0.99 U	4.0	0.99	4615334
Perfluorobutane Sulfonate (PFBS)	ng/L	150	20	2.7	4623649	0.27 U	2.0	0.27	4615334
Perfluorobutanoic acid	ng/L	270 <i>J 7a</i>	20	4.1	4623649	0.41 U	2.0	0.41	4615334
Perfluorodecane Sulfonate	ng/L	25 <i>J 17</i>	20	3.8	4623649	0.38 U	2.0	0.38	4615334
Perfluorodecanoic Acid (PFDA)	ng/L	21 <i>J 7a 17a</i>	20	2.4	4623649	0.24 U	2.0	0.24	4615334
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U <i>U 7a</i>	20	6.3	4623649	0.63 U	2.0	0.63	4615334
Perfluoroheptanoic Acid (PFHpA)	ng/L	440 <i>J 7a</i>	20	3.9	4623649	0.39 U	2.0	0.39	4615334
Perfluorohexane Sulfonate (PFHxS)	ng/L	3200 (1)	800	160	4615350	0.40 U	2.0	0.40	4615334
Perfluorohexanoic Acid (PFHxA)	ng/L	980 (1)	800	170	4615350	0.42 U	2.0	0.42	4615334
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	480 <i>J 7a</i>	20	3.9	4623649	0.39 U	2.0	0.39	4615334
Perfluorononanoic Acid (PFNA)	ng/L	150 <i>J 7a 17a</i>	20	3.3	4623649	0.33 U	2.0	0.33	4615334
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U <i>u</i>	40	5.9	4623649	0.87 J	4.0	0.59	4615334
Perfluorooctane Sulfonate (PFOS)	ng/L	6600 (1)	800	140	4615350	0.30 U	2.0	0.30	4615334
Perfluoropentanoic Acid (PFPeA)	ng/L	1400 (1)	800	210	4615350	0.46 U	2.0	0.46	4615334
Perfluorotetradecanoic Acid	ng/L	6.1 U <i>U 7a</i>	20	6.1	4623649	0.61 U	2.0	0.61	4615334
Perfluorotridecanoic Acid	ng/L	6.0 U	20	6.0	4623649	0.60 U	2.0	0.60	4615334
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U <i>↓</i>	20	5.0	4623649	0.50 U	2.0	0.50	4615334
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	87	N/A	N/A	4623649	79	N/A	N/A	4615334
13C4-Perfluorooctanoic acid	%	61	N/A	N/A	4623649	82	N/A	N/A	4615334
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVV999				CVW000			
Sampling Date		2016/08/05 16:30				2016/08/06 09:10			
COC Number		na				na			
	UNITS	MCGRE04-002-GW-0018	RDL	MDL	QC Batch	MCGRE05-003-GW-0010	RDL	MDL	QC Batch

Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	6.0 J 10a	4.0	0.87	4623649	2400 (1)	800	210	4615350
8:2 Fluorotelomer sulfonate	ng/L	1.5 J J	4.0	0.99	4623649	120	80	20	4623649
Perfluorobutane Sulfonate (PFBS)	ng/L	10	2.0	0.27	4623649	1500 (1)	800	230	4615350
Perfluorobutanoic acid	ng/L	6.1 J 7a	2.0	0.41	4623649	480	40	8.2	4623649
Perfluorodecane Sulfonate	ng/L	1.1 J J	2.0	0.38	4623649	27 J J	40	7.6	4623649
Perfluorodecanoic Acid (PFDA)	ng/L	0.28 J J 7a	2.0	0.24	4623649	13 J J	40	4.8	4623649
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U 7a, 10a	0.63	4623649	13 U u	40	13	4623649	
Perfluoroheptanoic Acid (PFHpA)	ng/L	5.6 J 7a	2.0	0.39	4623649	370	40	7.8	4623649
Perfluorohexane Sulfonate (PFHxS)	ng/L	37	2.0	0.40	4623649	13000	800	160	4615350
Perfluorohexanoic Acid (PFHxA)	ng/L	18 J 7a, 10a	2.0	0.42	4623649	3400 (1)	800	170	4615350
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	24 J 7a	2.0	0.39	4623649	800 (1)	800	200	4615350
Perfluorononanoic Acid (PFNA)	ng/L	3.9 J 7a, 10a	2.0	0.33	4623649	63	40	6.6	4623649
Perfluorooctane Sulfonamide (PFOSA)	ng/L	3.6 J JBEC	4.0	0.59	4623649	130	80	12	4623649
Perfluorooctane Sulfonate (PFOS)	ng/L	200 (2)	20	3.0	4623649	16000 (1)	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	11 J 7a	2.0	0.46	4623649	1300 (1)	800	210	4615350
Perfluorotetradecanoic Acid	ng/L	0.61 U U 7a, 10a	0.61	4623649	12 U u	40	12	4623649	
Perfluorotridecanoic Acid	ng/L	0.60 U ↓ 10a	0.60	4623649	12 U u	40	12	4623649	
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U ↓	2.0	0.50	4623649	10 U u	40	10	4623649

Surrogate Recovery (%)

13C4-Perfluorooctanesulfonate	%	100	N/A	N/A	4623649	106	N/A	N/A	4615350
13C4-Perfluorooctanoic acid	%	54	N/A	N/A	4623649	95	N/A	N/A	4623649

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.

(2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW001				CVW002			
Sampling Date		2016/08/06 10:30				2016/08/06 11:50			
COC Number		na				na			
	UNITS	MCGRE05-002-GW-0010	RDL	MDL	QC Batch	MCGRE05-005-GW-0010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	810	800	210	4615350	720 (1)	80	17	4623650
8:2 Fluorotelomer sulfonate	ng/L	280 U u	800	280	4615350	48 J (1) J	80	20	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	2700	800	230	4615350	660 (1)	40	5.4	4623650
Perfluorobutanoic acid	ng/L	580 J J	800	200	4615350	210 (1)	40	8.2	4623650
Perfluorodecane Sulfonate	ng/L	220 U u	800	220	4615350	19 J (1) J	40	7.6	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	200 U u	800	200	4615350	6.5 J (1) J	40	4.8	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	190 J J 10a	800	160	4615350	13 U (1) u	40	13	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	540 J J	800	270	4615350	170 (1)	40	7.8	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	30000	800	160	4615350	8200 (2)	800	160	4615350
Perfluorohexanoic Acid (PFHxA)	ng/L	4800	800	170	4615350	1800 (2)	800	170	4615350
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	1000	800	200	4615350	470 (1)	40	7.8	4623650
Perfluorononanoic Acid (PFNA)	ng/L	190 U u	800	190	4615350	22 J (1) J	40	6.6	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	230 U u	800	230	4615350	120 (1) J 10a	80	12	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	20000	800	140	4615350	9300 (2)	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	1300	800	210	4615350	560 (1)	40	9.2	4623650
Perfluorotetradecanoic Acid	ng/L	200 U U 10a	800	200	4615350	12 U (1) u	40	12	4623650
Perfluorotridecanoic Acid	ng/L	300 U U 10a	800	300	4615350	12 U (1) u	40	12	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	140 U u	800	140	4615350	10 U (1) u	40	10	4623650
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	94	N/A	N/A	4615350	102	N/A	N/A	4623650
13C4-Perfluorooctanoic acid	%	103	N/A	N/A	4615350	105	N/A	N/A	4623650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 20x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW003				CVW004			
Sampling Date		2016/08/06 14:10				2016/08/06 15:20			
COC Number		na				na			
	UNITS	MCGRE01-SS34-MW-102- GW-022	RDL	MDL	QC Batch	MCGRE01-SS34-MW-101- GW-016	RDL	MDL	QC Batch

Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	65	4.0	0.87	4623650	8.7 U (1) <i>u</i>	40	8.7	4623650
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	4623650	9.9 U (1) <i>u</i>	40	9.9	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	82 (2)	20	2.7	4623650	36 (1)	20	2.7	4623650
Perfluorobutanoic acid	ng/L	80	2.0	0.41	4623650	45 (1)	20	4.1	4623650
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	4623650	3.8 U (1) <i>u</i>	20	3.8	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	0.28 J <i>J</i>	2.0	0.24	4623650	2.4 U (1) <i>u</i>	20	2.4	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	2.0	0.63	4623650	6.3 U (1) <i>u</i>	20	6.3	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	160 (2)	20	3.9	4623650	85 (1)	20	3.9	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	970 (3)	800	160	4615350	1500 (3)	800	160	4615350
Perfluorohexanoic Acid (PFHxA)	ng/L	320 (2)	20	4.2	4623650	220 (1)	20	4.2	4623650
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	140 (2)	20	3.9	4623650	210 (1)	20	3.9	4623650
Perfluorononanoic Acid (PFNA)	ng/L	29	2.0	0.33	4623650	61 (1)	20	3.3	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	4.0	0.59	4623650	16 J (1) <i>J Pa</i>	40	5.9	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	430 (2)	20	3.0	4623650	1500 (3)	800	140	4615350
Perfluoropentanoic Acid (PFPeA)	ng/L	200 (2)	20	4.6	4623650	71 (1)	20	4.6	4623650
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	2.0	0.61	4623650	6.1 U (1) <i>u</i>	20	6.1	4623650
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	2.0	0.60	4623650	6.0 U (1) <i>u</i>	20	6.0	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	4623650	5.0 U (1) <i>u</i>	20	5.0	4623650

Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	89	N/A	N/A	4623650	102	N/A	N/A	4623650
13C4-Perfluorooctanoic acid	%	91	N/A	N/A	4623650	85	N/A	N/A	4623650

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

(3) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW005				CVW007			
Sampling Date		2016/08/06 15:20				2016/08/07 10:15			
COC Number		na				na			
	UNITS	MCGRE01-SS34-MW-101- GW-916	RDL	MDL	QC Batch	MCGRE03-002-GW-004	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	8.7 U (1) <i>u</i>	40	8.7	4623650	0.87 U <i>u</i>	4.0	0.87	4623650
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) <i>u</i>	40	9.9	4623650	0.99 U <i>u</i>	4.0	0.99	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	39 (1)	20	2.7	4623650	6.4	2.0	0.27	4623650
Perfluorobutanoic acid	ng/L	42 (1)	20	4.1	4623650	64 <i>J 10a</i>	2.0	0.41	4623650
Perfluorodecane Sulfonate	ng/L	3.8 U (1) <i>u</i>	20	3.8	4623650	0.38 U <i>u</i>	2.0	0.38	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U (1) <i>u</i>	20	2.4	4623650	4.0	2.0	0.24	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) <i>u</i>	20	6.3	4623650	0.63 U <i>u</i>	2.0	0.63	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	92 (1)	20	3.9	4623650	62	2.0	0.39	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	1500 (2)	800	160	4615350	50	2.0	0.40	4623650
Perfluorohexanoic Acid (PFHxA)	ng/L	230 (1)	20	4.2	4623650	110 (3)	20	4.2	4623650
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	220 (1)	20	3.9	4623650	120 (3)	20	3.9	4623650
Perfluorononanoic Acid (PFNA)	ng/L	62 (1)	20	3.3	4623650	19	2.0	0.33	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	17 J (1) <i>J 10a</i>	40	5.9	4623650	0.59 U <i>J 10a</i>	4.0	0.59	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	1600 (2)	800	140	4615350	98	2.0	0.30	4623650
Perfluoropentanoic Acid (PFPeA)	ng/L	75 (1)	20	4.6	4623650	120 (3)	20	4.6	4623650
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) <i>u</i>	20	6.1	4623650	0.61 U <i>50a</i>	2.0	0.61	4623650
Perfluorotridecanoic Acid	ng/L	6.0 U (1) <i>u</i>	20	6.0	4623650	0.60 U <i>50a</i>	2.0	0.60	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1) <i>u</i>	20	5.0	4623650	0.73 J <i>J</i>	2.0	0.50	4623650
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	91	N/A	N/A	4615350	89	N/A	N/A	4623650
13C4-Perfluorooctanoic acid	%	89	N/A	N/A	4623650	92	N/A	N/A	4623650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly. (3) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW009	CVW013			
Sampling Date		2016/08/07 11:45	2016/08/07 11:05			
COC Number		na	na			
	UNITS	MCGRE03-003-GW-015	MCGRE03-004-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters						
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>US 7a</i>	0.87 U <i>u</i>	4.0	0.87	4623650
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>US</i>	0.99 U <i>u</i>	4.0	0.99	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	1.4 J <i>J</i>	4.5	2.0	0.27	4623650
Perfluorobutanoic acid	ng/L	0.41 U <i>US</i>	1.7 J <i>J 7a</i>	2.0	0.41	4623650
Perfluorodecane Sulfonate	ng/L	0.38 U <i>J</i>	0.38 U <i>u</i>	2.0	0.38	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U <i>J</i>	0.24 U <i>US 7a</i>	2.0	0.24	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>J</i>	0.63 U <i>US</i>	2.0	0.63	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U <i>J</i>	0.58 J <i>J</i>	2.0	0.39	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	1.8 J <i>J</i>	96	2.0	0.40	4623650
Perfluorohexanoic Acid (PFHxA)	ng/L	1.1 J <i>J</i>	2.1 J <i>J 7a</i>	2.0	0.42	4623650
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.54 J <i>J</i>	1.4 J <i>J</i>	2.0	0.39	4623650
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U <i>US</i>	0.33 U <i>US</i>	2.0	0.33	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>US</i>	0.59 U <i>u</i>	4.0	0.59	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	14 <i>J</i>	27	2.0	0.30	4623650
Perfluoropentanoic Acid (PFPeA)	ng/L	0.69 J <i>J</i>	1.2 J <i>J 7a</i>	2.0	0.46	4623650
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>US</i>	0.61 U <i>US</i>	2.0	0.61	4623650
Perfluorotridecanoic Acid	ng/L	0.60 U <i>J</i>	0.60 U <i>J</i>	2.0	0.60	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>J</i>	0.50 U <i>J</i>	2.0	0.50	4623650
Surrogate Recovery (%)						
13C4-Perfluorooctanesulfonate	%	69	75	N/A	N/A	4623650
13C4-Perfluorooctanoic acid	%	51	67	N/A	N/A	4623650
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						
N/A = Not Applicable						

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW020			CVW025			
Sampling Date		2016/08/06 16:30			2016/08/06 17:15			
COC Number		na			na			
	UNITS	MCGRE02-002-GW-015	RDL	MDL	MCGRE02-003-GW-0015	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	830 (1)	80	17	240 (2)	40	8.7	4623650
8:2 Fluorotelomer sulfonate	ng/L	20 U (1) <i>u</i>	80	20	9.9 U (2) <i>u</i>	40	9.9	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	450 (1)	40	5.4	620 (2)	20	2.7	4623650
Perfluorobutanoic acid	ng/L	150 (1)	40	8.2	170 (2)	20	4.1	4623650
Perfluorodecane Sulfonate	ng/L	7.6 U (1) <i>u</i>	40	7.6	3.8 U (2) <i>u</i>	20	3.8	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	4.8 U (1) <i>u</i>	40	4.8	4.0 J (2) <i>J</i>	20	2.4	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	13 U (1) <i>u</i>	40	13	6.3 U (2) <i>u</i>	20	6.3	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	120 (1)	40	7.8	130 (2)	20	3.9	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	2900 (3)	800	160	3200 (3)	800	160	4615352
Perfluorohexanoic Acid (PFHxA)	ng/L	1000 (3)	800	170	990 (3)	800	170	4615352
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	410 (1)	40	7.8	310 (2)	20	3.9	4623650
Perfluorononanoic Acid (PFNA)	ng/L	8.8 J (1) <i>J</i>	40	6.6	6.7 J (2) <i>J</i>	20	3.3	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	12 U (1) <i>u</i> <i>u</i> <i>u</i>	80	12	5.9 U (2) <i>u</i> <i>u</i> <i>u</i>	40	5.9	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	12000 (3)	800	140	3400 (3)	800	140	4615352
Perfluoropentanoic Acid (PFPeA)	ng/L	390 (1)	40	9.2	270 (2)	20	4.6	4623650
Perfluorotetradecanoic Acid	ng/L	12 U (1) <i>u</i>	40	12	6.1 U (2) <i>u</i>	20	6.1	4623650
Perfluorotridecanoic Acid	ng/L	12 U (1) <i>u</i>	40	12	6.0 U (2) <i>u</i>	20	6.0	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	10 U (1) <i>u</i>	40	10	5.0 U (2) <i>u</i>	20	5.0	4623650
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	100	N/A	N/A	101	N/A	N/A	4615352
13C4-Perfluorooctanoic acid	%	104	N/A	N/A	97	N/A	N/A	4623650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 20x dilution. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.								

Maxxam Job #: B6G7490
Report Date: 2016/08/24

Aerostar SES LLC
Client Project #: M2032.0001 (SAVANNAH)
Site Location: JBMDL
Sampler Initials: KB

RESULTS OF ANALYSES OF WATER

Maxxam ID		CVW027				CVW032			
Sampling Date		2016/08/06 17:40				2016/08/07 09:25			
COC Number		na				na			
	UNITS	MCGRE02-014-GW-020	RDL	MDL	QC Batch	MCGRE03-001-GW-006	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	2100	800	210	4615352	1.8 J J	4.0	0.87	4623650
8:2 Fluorotelomer sulfonate	ng/L	2400	800	280	4615352	3.2 J J	4.0	0.99	4623650
Perfluorobutane Sulfonate (PFBS)	ng/L	240 J J	800	230	4615352	7.1	2.0	0.27	4623650
Perfluorobutanoic acid	ng/L	400 J J	800	200	4615352	9.4	2.0	0.41	4623650
Perfluorodecane Sulfonate	ng/L	220 U u	800	220	4615352	0.38 U u	2.0	0.38	4623650
Perfluorodecanoic Acid (PFDA)	ng/L	200 U u	800	200	4615352	3.9	2.0	0.24	4623650
Perfluorododecanoic Acid (PFDoA)	ng/L	160 U u	800	160	4615352	0.63 U u	2.0	0.63	4623650
Perfluoroheptanoic Acid (PFHpA)	ng/L	310 J J	800	270	4615352	14	2.0	0.39	4623650
Perfluorohexane Sulfonate (PFHxS)	ng/L	2200	800	160	4615352	26	2.0	0.40	4623650
Perfluorohexanoic Acid (PFHxA)	ng/L	2000	800	170	4615352	19	2.0	0.42	4623650
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	1100	800	200	4615352	47	2.0	0.39	4623650
Perfluorononanoic Acid (PFNA)	ng/L	190 U u	800	190	4615352	4.2	2.0	0.33	4623650
Perfluorooctane Sulfonamide (PFOSA)	ng/L	230 U u	800	230	4615352	0.88 J J	4.0	0.59	4623650
Perfluorooctane Sulfonate (PFOS)	ng/L	52000 (1)	8000	1400	4615352	96 (2)	20	3.0	4623650
Perfluoropentanoic Acid (PFPeA)	ng/L	860	800	210	4615352	13	2.0	0.46	4623650
Perfluorotetradecanoic Acid	ng/L	200 U u	800	200	4615352	0.61 U u 10g	2.0	0.61	4623650
Perfluorotridecanoic Acid	ng/L	300 U u	800	300	4615352	0.60 U u 10g	2.0	0.60	4623650
Perfluoroundecanoic Acid (PFUnA)	ng/L	140 U u	800	140	4615352	0.50 U u	2.0	0.50	4623650
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	116	N/A	N/A	4615352	84	N/A	N/A	4623650
13C4-Perfluorooctanoic acid	%	107	N/A	N/A	4615352	78	N/A	N/A	4623650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required high level analysis with a 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV012	CZV013	CZV016			
Sampling Date		2016/08/30 09:25	2016/08/30 09:25	2016/08/30 08:55			
COC Number		295	295	295			
	UNITS	FTDIX13-005-SW-001	FTDIX13-005-SW-901	FTDIX13-006-SW-001	RDL	MDL	QC Batch

Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	2.9 J J	2.3 J J	1.5 J J	4.0	0.87	4657841
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	0.99 U u	0.99 U u	4.0	0.99	4657841
Perfluorobutane Sulfonate (PFBS)	ng/L	3.3	3.4	1.6 J J	2.0	0.27	4657841
Perfluorobutanoic acid	ng/L	11 J (1) J	4.1 U (1) u	4.1 U (1) u	20	4.1	4657841
Perfluorodecane Sulfonate	ng/L	2.7 J 17	3.8 J 17	0.38 U u	2.0	0.38	4657841
Perfluorodecanoic Acid (PFDA)	ng/L	2.2	2.1	2.2 J 7a	2.0	0.24	4657841
Perfluorododecanoic Acid (PFDoA)	ng/L	1.1 J J 17	1.7 J J 17	0.63 U u 7a	2.0	0.63	4657841
Perfluoroheptanoic Acid (PFHpA)	ng/L	8.4	7.4	4.9 J 7a	2.0	0.39	4657841
Perfluorohexane Sulfonate (PFHxS)	ng/L	31	32	2.8	2.0	0.40	4657841
Perfluorohexanoic Acid (PFHxA)	ng/L	14	15	9.0 J 7a	2.0	0.42	4657841
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	5.9	6.2	5.5 J 7a	2.0	0.39	4657841
Perfluorononanoic Acid (PFNA)	ng/L	3.3	3.6	3.2 J 7a	2.0	0.33	4657841
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U u	0.59 U u	0.59 U u	4.0	0.59	4657841
Perfluorooctane Sulfonate (PFOS)	ng/L	81	82	7.0	2.0	0.30	4657841
Perfluoropentanoic Acid (PFPeA)	ng/L	14	14	8.3 J 7a	2.0	0.46	4657841
Perfluorotetradecanoic Acid	ng/L	0.61 U u	0.61 U u 10a	0.61 U u 7a 10a	0.61		4657841
Perfluorotridecanoic Acid	ng/L	0.60 U u	0.60 U u 10a	0.60 U u 7a 10a	0.60		4657841
Perfluoroundecanoic Acid (PFUnA)	ng/L	1.6 J J	2.5	1.3 J J 7a	2.0	0.50	4657841
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	81	85	74	N/A	N/A	4657841
13C4-Perfluorooctanoic acid	%	75	78	67	N/A	N/A	4657841
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
N/A = Not Applicable							
(1) Due to sample matrix interference, sample required 10x dilution. Detection limit was adjusted accordingly.							

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV018				CZV019			
Sampling Date		2016/08/30 08:20				2016/08/30 11:30			
COC Number		295				295			
	UNITS	FTDIX-RS-03	RDL	MDL	QC Batch	FTDIX14-MW8D-GW-047	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U u	4.0	0.87	4657841	110 (1)	40	1.7	4657841
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	4657841	3.9 J J	4.0	2.0	4657841
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	4657841	24	2.0	0.54	4657841
Perfluorobutanoic acid	ng/L	0.41 U	2.0	0.41	4657841	49	2.0	0.82	4657841
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	4657841	2.4	2.0	0.76	4657841
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U v	2.0	0.24	4657841	2.4	2.0	0.48	4657841
Perfluorododecanoic Acid (PFDoA)	ng/L	1.5 J J	2.0	0.63	4657841	1.3 U u	2.0	1.3	4657841
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U u	2.0	0.39	4657841	110 (1)	20	7.8	4657841
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.40 U	2.0	0.40	4657841	130 (1)	20	8.0	4657841
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	4657841	120 (1)	20	8.4	4657841
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.39 U v	2.0	0.39	4657841	29	2.0	0.78	4657841
Perfluorononanoic Acid (PFNA)	ng/L	4.6	2.0	0.33	4657841	9.7	2.0	0.66	4657841
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U u	4.0	0.59	4657841	29	4.0	1.2	4657841
Perfluorooctane Sulfonate (PFOS)	ng/L	0.30 U	2.0	0.30	4657841	1100 (2)	800	140	4652097
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U	2.0	0.46	4657841	200 (1)	20	0.92	4657841
Perfluorotetradecanoic Acid	ng/L	0.61 U	2.0	0.61	4657841	1.2 U u	2.0	1.2	4657841
Perfluorotridecanoic Acid	ng/L	0.60 U	2.0	0.60	4657841	1.2 U u	2.0	1.2	4657841
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U v	2.0	0.50	4657841	1.0 U u	2.0	1.0	4657841
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	86	N/A	N/A	4657841	108	N/A	N/A	4652097
13C4-Perfluorooctanoic acid	%	97	N/A	N/A	4657841	84	N/A	N/A	4657841
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6I8835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV020			CZV021			
Sampling Date		2016/08/30 12:27			2016/08/30 13:40			
COC Number		295			295			
	UNITS	FTDIX14-MW7D-GW-042	RDL	MDL	FTDIX14-MW5D-GW-033	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	73 (1)	40	8.7	16 J 10a	4.0	0.87	4657841
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	4.0	0.99	0.99 U u	4.0	0.99	4657841
Perfluorobutane Sulfonate (PFBS)	ng/L	17	2.0	0.27	16	2.0	0.27	4657841
Perfluorobutanoic acid	ng/L	17	2.0	0.41	13	2.0	0.41	4657841
Perfluorodecane Sulfonate	ng/L	0.38 U u	2.0	0.38	0.38 U u	2.0	0.38	4657841
Perfluorodecanoic Acid (PFDA)	ng/L	0.84 J J	2.0	0.24	0.24 U u	2.0	0.24	4657841
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U u	2.0	0.63	0.63 U u	2.0	0.63	4657841
Perfluoroheptanoic Acid (PFHpA)	ng/L	27	2.0	0.39	29	2.0	0.39	4657841
Perfluorohexane Sulfonate (PFHxS)	ng/L	120 (1)	20	4.0	240 (1)	20	4.0	4657841
Perfluorohexanoic Acid (PFHxA)	ng/L	60 (1)	20	4.2	42	2.0	0.42	4657841
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	18	2.0	0.39	20	2.0	0.39	4657841
Perfluorononanoic Acid (PFNA)	ng/L	3.9	2.0	0.33	2.6	2.0	0.33	4657841
Perfluorooctane Sulfonamide (PFOSA)	ng/L	3.5 J J	4.0	0.59	1.7 J J	4.0	0.59	4657841
Perfluorooctane Sulfonate (PFOS)	ng/L	390 (1)	20	3.0	260 (1)	20	3.0	4657841
Perfluoropentanoic Acid (PFPeA)	ng/L	84 (1)	20	4.6	51	2.0	0.46	4657841
Perfluorotetradecanoic Acid	ng/L	0.61 U u	2.0	0.61	0.61 U u J 10a	2.0	0.61	4657841
Perfluorotridecanoic Acid	ng/L	0.60 U u	2.0	0.60	0.60 U u J 10a	2.0	0.60	4657841
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U u	2.0	0.50	0.50 U u	2.0	0.50	4657841
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	88	N/A	N/A	86	N/A	N/A	4657841
13C4-Perfluorooctanoic acid	%	81	N/A	N/A	79	N/A	N/A	4657841
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.								

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV024				CZV026			
Sampling Date		2016/08/30 15:15				2016/08/30 17:00			
COC Number		295				295			
	UNITS	FTDIX14-004-SW-001	RDL	MDL	QC Batch	FTDIX15-003-SW-001	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	150 (1)	40	8.7	4657841	1.4 J 10x	4.0	0.87	4657841
8:2 Fluorotelomer sulfonate	ng/L	6.9	4.0	0.99	4657841	0.99 U u	4.0	0.99	4657841
Perfluorobutane Sulfonate (PFBS)	ng/L	68	2.0	0.27	4657841	19	2.0	0.27	4657841
Perfluorobutanoic acid	ng/L	0.41 U u 10x	2.0	0.41	4657841	4.1 U (2) u	20	4.1	4657841
Perfluorodecane Sulfonate	ng/L	29	2.0	0.38	4657841	0.38 U u	2.0	0.38	4657841
Perfluorodecanoic Acid (PFDA)	ng/L	11	2.0	0.24	4657841	1.2 J J	2.0	0.24	4657841
Perfluorododecanoic Acid (PFDoA)	ng/L	0.67 J J	2.0	0.63	4657841	0.63 U u	2.0	0.63	4657841
Perfluoroheptanoic Acid (PFHpA)	ng/L	64	2.0	0.39	4657841	20	2.0	0.39	4657841
Perfluorohexane Sulfonate (PFHxS)	ng/L	390 (1)	20	4.0	4657841	42	2.0	0.40	4657841
Perfluorohexanoic Acid (PFHxA)	ng/L	200 (1)	20	4.2	4657841	17	2.0	0.42	4657841
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	79	2.0	0.39	4657841	8.8	2.0	0.39	4657841
Perfluorononanoic Acid (PFNA)	ng/L	37	2.0	0.33	4657841	2.5	2.0	0.33	4657841
Perfluorooctane Sulfonamide (PFOSA)	ng/L	14	4.0	0.59	4657841	0.59 U u	4.0	0.59	4657841
Perfluorooctane Sulfonate (PFOS)	ng/L	1500 (3)	800	140	4652097	39	2.0	0.30	4657841
Perfluoropentanoic Acid (PFPeA)	ng/L	170 (1)	20	4.6	4657841	16	2.0	0.46	4657841
Perfluorotetradecanoic Acid	ng/L	0.61 U u	2.0	0.61	4657841	0.61 U u	2.0	0.61	4657841
Perfluorotridecanoic Acid	ng/L	0.60 U u	2.0	0.60	4657841	0.60 U u	2.0	0.60	4657841
Perfluoroundecanoic Acid (PFUnA)	ng/L	4.0	2.0	0.50	4657841	0.84 J J	2.0	0.50	4657841
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	108	N/A	N/A	4652097	79	N/A	N/A	4657841
13C4-Perfluorooctanoic acid	%	75	N/A	N/A	4657841	74	N/A	N/A	4657841
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to sample matrix interference, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV028		CZV029			
Sampling Date		2016/08/31 10:25		2016/08/31 09:35			
COC Number		295		295			
	UNITS	FTDIX15-GLF-52-GW-025	QC Batch	FTDIX15-GLF-74-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	0.87 U u	4657841	0.87 U u	4.0	0.87	4658142
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	4657841	0.99 U u	4.0	0.99	4658142
Perfluorobutane Sulfonate (PFBS)	ng/L	270 (1)	4657841	120 (1) J 17	20	2.7	4658142
Perfluorobutanoic acid	ng/L	4.1	4657841	44 J 17	2.0	0.41	4658142
Perfluorodecane Sulfonate	ng/L	0.38 U u	4657841	0.38 U u	2.0	0.38	4658142
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U u	4657841	1.4 J J	2.0	0.24	4658142
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U u	4657841	0.63 U u	2.0	0.63	4658142
Perfluoroheptanoic Acid (PFHpA)	ng/L	5.9	4657841	55 J 17	2.0	0.39	4658142
Perfluorohexane Sulfonate (PFHxS)	ng/L	300 (1)	4657841	310 (1) J 17	20	4.0	4658142
Perfluorohexanoic Acid (PFHxA)	ng/L	17	4657841	82 J 17	2.0	0.42	4658142
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	9.7	4657841	44 J 17	2.0	0.39	4658142
Perfluorononanoic Acid (PFNA)	ng/L	0.90 J J	4657841	5.2 J 17	2.0	0.33	4658142
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U u	4657841	0.59 U u	4.0	0.59	4658142
Perfluorooctane Sulfonate (PFOS)	ng/L	6.2	4657841	42 J 17	2.0	0.30	4658142
Perfluoropentanoic Acid (PFPeA)	ng/L	5.4	4657841	63 J 17	2.0	0.46	4658142
Perfluorotetradecanoic Acid	ng/L	0.61 U u	4657841	0.61 U u	2.0	0.61	4658142
Perfluorotridecanoic Acid	ng/L	0.60 U u	4657841	0.60 U u	2.0	0.60	4658142
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U u	4657841	0.50 U u	2.0	0.50	4658142
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	91	4657841	108	N/A	N/A	4658142
13C4-Perfluorooctanoic acid	%	80	4657841	104	N/A	N/A	4658142
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.							

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV030			CZV031			
Sampling Date		2016/08/31 09:35			2016/08/31 11:52			
COC Number		295			295			
	UNITS	FTDIX15-GLF-74-GW-920	RDL	MDL	MCGRE10-LF02- MW307-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	4.0	0.87	0.87 U <i>u</i>	4.0	0.87	4658142
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	0.99 U	4.0	0.99	4658142
Perfluorobutane Sulfonate (PFBS)	ng/L	8.8 <i>J 17</i>	2.0	0.27	0.27 U	2.0	0.27	4658142
Perfluorobutanoic acid	ng/L	2.8 <i>J 17</i>	2.0	0.41	0.41 U	2.0	0.41	4658142
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	0.38 U	2.0	0.38	4658142
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U <i>u</i>	2.0	0.24	0.24 U	2.0	0.24	4658142
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	2.0	0.63	0.63 U	2.0	0.63	4658142
Perfluoroheptanoic Acid (PFHpA)	ng/L	4.5 <i>J 17</i>	2.0	0.39	0.39 U	2.0	0.39	4658142
Perfluorohexane Sulfonate (PFHxS)	ng/L	22 <i>J 17</i>	2.0	0.40	0.40 U <i>u</i>	2.0	0.40	4658142
Perfluorohexanoic Acid (PFHxA)	ng/L	6.8 <i>J 17</i>	2.0	0.42	1.4 J <i>J</i>	2.0	0.42	4658142
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	66 <i>J 17</i>	2.0	0.39	0.39 U <i>u</i>	2.0	0.39	4658142
Perfluorononanoic Acid (PFNA)	ng/L	16 <i>J 17</i>	2.0	0.33	0.33 U	2.0	0.33	4658142
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	4.0	0.59	0.59 U	4.0	0.59	4658142
Perfluorooctane Sulfonate (PFOS)	ng/L	140 (1) <i>J 17</i>	20	3.0	0.30 U <i>u</i>	2.0	0.30	4658142
Perfluoropentanoic Acid (PFPeA)	ng/L	5.5 <i>J 17</i>	2.0	0.46	1.1 J <i>J</i>	2.0	0.46	4658142
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	2.0	0.61	0.61 U <i>u</i>	2.0	0.61	4658142
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	2.0	0.60	0.60 U <i>u</i>	2.0	0.60	4658142
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	0.50 U <i>u</i>	2.0	0.50	4658142
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	96	N/A	N/A	110	N/A	N/A	4658142
13C4-Perfluorooctanoic acid	%	115	N/A	N/A	113	N/A	N/A	4658142
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.								

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV032			CZV033	CZV034			
Sampling Date		2016/08/31 13:20			2016/08/31 15:20	2016/08/31 14:52			
COC Number		295			295	295			
	UNITS	FTDIX13-003-GW-020	RDL	MDL	FTDIX13-002-GW-020	FTDIX13-001-GW-025	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	4.0	0.87	0.87 U <i>u</i>	0.87 U <i>u</i>	4.0	0.87	4658142
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	0.99 U <i>u</i>	0.99 U <i>u</i>	4.0	0.99	4658142
Perfluorobutane Sulfonate (PFBS)	ng/L	6.1 <i>J</i>	2.0	0.27	5.0	4.3	2.0	0.27	4658142
Perfluorobutanoic acid	ng/L	14	2.0	0.41	15	5.2	2.0	0.41	4658142
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	0.39 J <i>J</i>	0.38 U <i>u</i>	2.0	0.38	4658142
Perfluorodecanoic Acid (PFDA)	ng/L	0.40 J <i>J</i>	2.0	0.24	0.78 J <i>J</i>	0.24 U <i>u</i>	2.0	0.24	4658142
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	2.0	0.63	0.63 U <i>u</i>	0.63 U <i>u</i>	2.0	0.63	4658142
Perfluoroheptanoic Acid (PFHpA)	ng/L	16	2.0	0.39	12	13	2.0	0.39	4658142
Perfluorohexane Sulfonate (PFHxS)	ng/L	270	20	4.0	220 (1)	170 (1)	20	4.0	4658142
Perfluorohexanoic Acid (PFHxA)	ng/L	44	2.0	0.42	38	17	2.0	0.42	4658142
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	40	2.0	0.39	25	30	2.0	0.39	4658142
Perfluorononanoic Acid (PFNA)	ng/L	10	2.0	0.33	4.7	1.8 J <i>J</i>	2.0	0.33	4658142
Perfluorooctane Sulfonamide (PFOSA)	ng/L	1.3 J <i>J</i>	4.0	0.59	0.59 U <i>u</i>	0.59 U <i>u</i>	4.0	0.59	4658142
Perfluorooctane Sulfonate (PFOS)	ng/L	110 (1)	20	3.0	94	69	2.0	0.30	4658142
Perfluoropentanoic Acid (PFPeA)	ng/L	33	2.0	0.46	32	10	2.0	0.46	4658142
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	2.0	0.61	0.61 U <i>u</i>	0.61 U <i>u</i>	2.0	0.61	4658142
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	2.0	0.60	0.60 U <i>u</i>	0.60 U <i>u</i>	2.0	0.60	4658142
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	0.50 U <i>u</i>	0.50 U <i>u</i>	2.0	0.50	4658142
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	108	N/A	N/A	104	112	N/A	N/A	4658142
13C4-Perfluorooctanoic acid	%	81	N/A	N/A	100	104	N/A	N/A	4658142
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B6I8835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV035	CZV036			
Sampling Date		2016/08/31 14:15	2016/08/31 14:30			
COC Number		295	295			
	UNITS	FTDIX13-004-GW-020	FTDIX-RS-04	RDL	MDL	QC Batch
Miscellaneous Parameters						
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	0.87 U <i>u</i>	4.0	0.87	4658142
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	0.99 U	4.0	0.99	4658142
Perfluorobutane Sulfonate (PFBS)	ng/L	6.2	0.27 U	2.0	0.27	4658142
Perfluorobutanoic acid	ng/L	26	0.41 U	2.0	0.41	4658142
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	0.38 U	2.0	0.38	4658142
Perfluorodecanoic Acid (PFDA)	ng/L	0.62 J <i>J</i>	0.24 U	2.0	0.24	4658142
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	0.63 U	2.0	0.63	4658142
Perfluoroheptanoic Acid (PFHpA)	ng/L	14	0.39 U	2.0	0.39	4658142
Perfluorohexane Sulfonate (PFHxS)	ng/L	72	0.40 U	2.0	0.40	4658142
Perfluorohexanoic Acid (PFHxA)	ng/L	55	0.42 U	2.0	0.42	4658142
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	22	0.39 U	2.0	0.39	4658142
Perfluorononanoic Acid (PFNA)	ng/L	4.2	0.33 U	2.0	0.33	4658142
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	0.59 U	4.0	0.59	4658142
Perfluorooctane Sulfonate (PFOS)	ng/L	37	0.30 U	2.0	0.30	4658142
Perfluoropentanoic Acid (PFPeA)	ng/L	73	0.46 U	2.0	0.46	4658142
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	0.61 U	2.0	0.61	4658142
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	0.60 U	2.0	0.60	4658142
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	0.50 U <i>u</i>	2.0	0.50	4658142
Surrogate Recovery (%)						
13C4-Perfluorooctanesulfonate	%	103	122	N/A	N/A	4658142
13C4-Perfluorooctanoic acid	%	91	129	N/A	N/A	4658142
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						

Maxxam Job #: B6I8835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV037				CZV038			
Sampling Date		2016/09/01 09:07				2016/09/01 11:45			
COC Number		295				295			
	UNITS	FTDIX14-MW4D-GW-033	RDL	MDL	QC Batch	LKHRT-RS-05	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	54	4.0	0.87	4658142	0.87 U <i>u</i>	4.0	0.87	4658142
8:2 Fluorotelomer sulfonate	ng/L	2.4 J <i>J</i>	4.0	0.99	4658142	0.99 U <i>J</i>	4.0	0.99	4658142
Perfluorobutane Sulfonate (PFBS)	ng/L	31	2.0	0.27	4658142	0.27 U <i>J</i>	2.0	0.27	4658142
Perfluorobutanoic acid	ng/L	38	2.0	0.41	4658142	0.41 U <i>J</i>	2.0	0.41	4658142
Perfluorodecane Sulfonate	ng/L	3.5	2.0	0.38	4658142	0.58 J <i>J</i>	2.0	0.38	4658142
Perfluorodecanoic Acid (PFDA)	ng/L	1.4 J <i>J</i>	2.0	0.24	4658142	0.24 U <i>u</i>	2.0	0.24	4658142
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	2.0	0.63	4658142	4.3	2.0	0.63	4658142
Perfluoroheptanoic Acid (PFHpA)	ng/L	75	2.0	0.39	4658142	0.39 U <i>u</i>	2.0	0.39	4658142
Perfluorohexane Sulfonate (PFHxS)	ng/L	180 (1)	20	4.0	4658142	0.40 U <i>J</i>	2.0	0.40	4658142
Perfluorohexanoic Acid (PFHxA)	ng/L	84	2.0	0.42	4658142	0.42 U <i>J</i>	2.0	0.42	4658142
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	27	2.0	0.39	4658142	0.39 U <i>J</i>	2.0	0.39	4658142
Perfluorononanoic Acid (PFNA)	ng/L	8.2	2.0	0.33	4658142	0.33 U <i>J</i>	2.0	0.33	4658142
Perfluorooctane Sulfonamide (PFOSA)	ng/L	14	4.0	0.59	4658142	0.59 U <i>J</i>	4.0	0.59	4658142
Perfluorooctane Sulfonate (PFOS)	ng/L	860 (2)	800	140	4652097	0.30 U <i>J</i>	2.0	0.30	4658142
Perfluoropentanoic Acid (PFPeA)	ng/L	130 (1)	20	4.6	4658142	0.46 U <i>J</i>	2.0	0.46	4658142
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	2.0	0.61	4658142	4.5	2.0	0.61	4658142
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	2.0	0.60	4658142	5.5	2.0	0.60	4658142
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	4658142	1.6 J <i>J</i>	2.0	0.50	4658142
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	105	N/A	N/A	4652097	105	N/A	N/A	4658142
13C4-Perfluorooctanoic acid	%	89	N/A	N/A	4658142	116	N/A	N/A	4658142
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B618835
Report Date: 2016/09/20

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		CZV039	CZV040			CZV041			
Sampling Date		2016/09/01 12:10	2016/09/01 12:50			2016/09/01 15:30			
COC Number		295	295			295			
	UNITS	LKHRT19-JC-GW-027	LKHRT19-JD-GW-045	RDL	MDL	LKHRT19-KN-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	0.87 U <i>u</i>	4.0	0.87	2.6 J <i>J</i>	4.0	0.87	4659003
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	0.99 U <i>u</i>	4.0	0.99	0.99 U <i>u</i>	4.0	0.99	4659003
Perfluorobutane Sulfonate (PFBS)	ng/L	5.0	3.0	2.0	0.27	22	2.0	0.27	4659003
Perfluorobutanoic acid	ng/L	6.3 J (1) <i>J</i>	18 J (1) <i>J</i>	20	0.41	12 J (1) <i>J</i>	20	0.41	4659003
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	0.38 U <i>u</i>	2.0	0.38	0.38 U <i>u</i>	2.0	0.38	4659003
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U <i>u</i> <i>7a</i>	1.5 J <i>J</i>	2.0	0.24	0.24 U <i>u</i>	2.0	0.24	4659003
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i> <i>7a</i>	0.63 U <i>u</i>	2.0	0.63	0.63 U <i>u</i>	2.0	0.63	4659003
Perfluoroheptanoic Acid (PFHpA)	ng/L	4.3 <i>J</i> <i>7a</i>	4.2	2.0	0.39	11	2.0	0.39	4659003
Perfluorohexane Sulfonate (PFHxS)	ng/L	30	9.7	2.0	0.40	150 (2)	20	4.0	4659003
Perfluorohexanoic Acid (PFHxA)	ng/L	8.5 <i>J</i> <i>7a</i>	8.8	2.0	0.42	29	2.0	0.42	4659003
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	5.7 <i>J</i> <i>7a</i>	8.4	2.0	0.39	27	2.0	0.39	4659003
Perfluorononanoic Acid (PFNA)	ng/L	0.51 J <i>J</i> <i>7a</i>	1.4 J <i>J</i>	2.0	0.33	1.8 J <i>J</i>	2.0	0.33	4659003
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	0.59 U <i>u</i>	4.0	0.59	1.2 J <i>J</i>	4.0	0.59	4659003
Perfluorooctane Sulfonate (PFOS)	ng/L	21	7.2	2.0	0.30	130 (2)	20	3.0	4659003
Perfluoropentanoic Acid (PFPeA)	ng/L	5.0 <i>J</i> <i>7a</i>	24	2.0	0.46	15	2.0	0.46	4659003
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i> <i>7a</i> , <i>10a</i>	0.61 U <i>u</i> <i>10a</i>	2.0	0.61	0.61 U <i>u</i>	2.0	0.61	4659003
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i> <i>10a</i>	0.60 U <i>u</i> <i>10a</i>	2.0	0.60	0.60 U <i>u</i>	2.0	0.60	4659003
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i> <i>10a</i>	0.50 U <i>u</i>	2.0	0.50	0.50 U <i>u</i>	2.0	0.50	4659003
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	76	80	N/A	N/A	77	N/A	N/A	4659003
13C4-Perfluorooctanoic acid	%	62	72	N/A	N/A	75	N/A	N/A	4659003
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to matrix interference, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B61253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI384	DAI385	DAI386			
Sampling Date		2016/09/02 07:10	2016/09/02 07:05	2016/09/02 10:20			
COC Number		n/a	n/a	n/a			
	UNITS	MCGRE09-004-SW-001	MCGRE-RS-15	LKHRT20-009-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	3.1 J <i>10a</i>	0.87 U	0.87 U <i>u</i>	4.0	0.87	4660101
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	0.99 U	0.99 U <i>u</i>	4.0	0.99	4660101
Perfluorobutane Sulfonate (PFBS)	ng/L	2.4	0.27 U	3.5	2.0	0.27	4660101
Perfluorobutanoic acid	ng/L	5.0	0.41 U	1.7 J <i>J</i>	2.0	0.41	4660101
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	0.38 U	0.38 U <i>u</i>	2.0	0.38	4660101
Perfluorodecanoic Acid (PFDA)	ng/L	0.66 J <i>J</i>	0.24 U	0.58 J <i>J</i>	2.0	0.24	4660101
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u</i>	0.63 U	0.63 U <i>u</i>	2.0	0.63	4660101
Perfluoroheptanoic Acid (PFHpA)	ng/L	6.0	0.39 U	1.3 J <i>J</i>	2.0	0.39	4660101
Perfluorohexane Sulfonate (PFHxS)	ng/L	25	0.40 U	20	2.0	0.40	4660101
Perfluorohexanoic Acid (PFHxA)	ng/L	9.9	0.42 U	3.3	2.0	0.42	4660101
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	11	0.39 U	4.8	2.0	0.39	4660101
Perfluorononanoic Acid (PFNA)	ng/L	2.5	0.33 U	1.2 J <i>J</i>	2.0	0.33	4660101
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	0.59 U	0.59 U <i>u</i>	4.0	0.59	4660101
Perfluorooctane Sulfonate (PFOS)	ng/L	50	0.30 U	14	2.0	0.30	4660101
Perfluoropentanoic Acid (PFPeA)	ng/L	9.0	0.46 U	2.3	2.0	0.46	4660101
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>uJ 10a</i>	0.61 U	0.61 U <i>uJ 10a</i>	2.0	0.61	4660101
Perfluorotridecanoic Acid	ng/L	0.60 U <i>uJ 10a</i>	0.60 U	0.60 U <i>uJ 10a</i>	2.0	0.60	4660101
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	0.50 U	0.50 U <i>u</i>	2.0	0.50	4660101
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	101	112	105	N/A	N/A	4660101
13C4-Perfluorooctanoic acid	%	92	111	82	N/A	N/A	4660101
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
N/A = Not Applicable							

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI387				DAI389			
Sampling Date		2016/09/02 10:45				2016/09/02 12:00			
COC Number		n/a				n/a			
	UNITS	LKHRT20-010-SW-001	RDL	MDL	QC Batch	LKHRT16-002-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	4.0	0.87	4660101	530 J (1) <i>J</i>	800	210	4654254
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	4660101	280 U (1) <i>u</i>	800	280	4654254
Perfluorobutane Sulfonate (PFBS)	ng/L	10	2.0	0.27	4660101	2900 (1)	800	230	4654254
Perfluorobutanoic acid	ng/L	8.1	2.0	0.41	4660101	850 (1)	800	200	4654254
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	4660101	220 U (1) <i>u</i>	800	220	4654254
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U <i>J</i>	2.0	0.24	4660101	200 U (1) <i>J</i>	800	200	4654254
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>J</i>	2.0	0.63	4660101	160 U (1) <i>J</i>	800	160	4654254
Perfluoroheptanoic Acid (PFHpA)	ng/L	2.6	2.0	0.39	4660101	980 (1)	800	270	4654254
Perfluorohexane Sulfonate (PFHxS)	ng/L	16	2.0	0.40	4660101	35000 (1)	800	160	4654254
Perfluorohexanoic Acid (PFHxA)	ng/L	9.0	2.0	0.42	4660101	5200 (1)	800	170	4654254
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	5.2	2.0	0.39	4660101	1800 (1)	800	200	4654254
Perfluorononanoic Acid (PFNA)	ng/L	1.3 J <i>J</i>	2.0	0.33	4660101	190 U (1) <i>u</i>	800	190	4654254
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	4.0	0.59	4660101	230 U (1) <i>u</i>	800	230	4654254
Perfluorooctane Sulfonate (PFOS)	ng/L	9.4	2.0	0.30	4660101	6400 (1)	800	140	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	11	2.0	0.46	4660101	1500 (1)	800	210	4654254
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u</i>	2.0	0.61	4660101	200 U (1) <i>u</i>	800	200	4654254
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u</i>	2.0	0.60	4660101	300 U (1) <i>J</i>	800	300	4654254
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U <i>u</i>	2.0	0.50	4660101	140 U (1) <i>J</i>	800	140	4654254
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	100	N/A	N/A	4660101	102	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	106	N/A	N/A	4660101	94	N/A	N/A	4654254
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
N/A = Not Applicable									
(1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI390				DAI391			
Sampling Date		2016/09/02 12:30				2016/09/02 13:15			
COC Number		n/a				n/a			
	UNITS	LKHRT16-003-GW-020	RDL	MDL	QC Batch	LKHRT16-005-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	42	40	8.7	4660101	2400 (1)	800	210	4654254
8:2 Fluorotelomer sulfonate	ng/L	9.9 U u	40	9.9	4660101	4200 (1)	800	280	4654254
Perfluorobutane Sulfonate (PFBS)	ng/L	1500 (1)	800	230	4654254	430 J (1) J	800	230	4654254
Perfluorobutanoic acid	ng/L	120	20	4.1	4660101	330 J (1) J	800	200	4654254
Perfluorodecane Sulfonate	ng/L	3.8 U u	20	3.8	4660101	220 U (1) u	800	220	4654254
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U ↓	20	2.4	4660101	200 U (1) ↓	800	200	4654254
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U ↓	20	6.3	4660101	160 U (1) ↓	800	160	4654254
Perfluoroheptanoic Acid (PFHpA)	ng/L	93	20	3.9	4660101	330 J (1) J	800	270	4654254
Perfluorohexane Sulfonate (PFHxS)	ng/L	3300 (1)	800	160	4654254	5400 (1)	800	160	4654254
Perfluorohexanoic Acid (PFHxA)	ng/L	990 (1)	800	170	4654254	2000 (1)	800	170	4654254
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	130	20	3.9	4660101	570 J (1) J	800	200	4654254
Perfluorononanoic Acid (PFNA)	ng/L	3.3 U u	20	3.3	4660101	190 U (1) u	800	190	4654254
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U u	40	5.9	4660101	230 U (1) u	800	230	4654254
Perfluorooctane Sulfonate (PFOS)	ng/L	2900 (1)	800	140	4654254	200000 (2)	8000	1400	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	270	20	4.6	4660101	670 J (1) J	800	210	4654254
Perfluorotetradecanoic Acid	ng/L	6.1 U u	20	6.1	4660101	200 U (1) u	800	200	4654254
Perfluorotridecanoic Acid	ng/L	6.0 U ↓	20	6.0	4660101	300 U (1) ↓	800	300	4654254
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U ↓	20	5.0	4660101	140 U (1) ↓	800	140	4654254
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	95	N/A	N/A	4654254	114	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	86	N/A	N/A	4660101	100	N/A	N/A	4654254
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis with 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B61253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI392				DAI393			
Sampling Date		2016/09/02 14:25				2016/09/02 14:45			
COC Number		n/a				n/a			
	UNITS	LKHRT16-004-GW-020	RDL	MDL	QC Batch	LKHRT16-006-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	1300 (1)	800	210	4654254	270	200	44	4660101
8:2 Fluorotelomer sulfonate	ng/L	1400 (1)	800	280	4654254	390	200	50	4660101
Perfluorobutane Sulfonate (PFBS)	ng/L	940 (1)	800	230	4654254	240	100	14	4660101
Perfluorobutanoic acid	ng/L	330 J (1) J	800	200	4654254	72 J J	100	21	4660101
Perfluorodecane Sulfonate	ng/L	220 U (1) u	800	220	4654254	55 J J	100	19	4660101
Perfluorodecanoic Acid (PFDA)	ng/L	200 U (1) u	800	200	4654254	12 U u	100	12	4660101
Perfluorododecanoic Acid (PFDoA)	ng/L	160 U (1) u	800	160	4654254	32 U u	100	32	4660101
Perfluoroheptanoic Acid (PFHpA)	ng/L	440 J (1) J	800	270	4654254	120	100	20	4660101
Perfluorohexane Sulfonate (PFHxS)	ng/L	15000 (1)	800	160	4654254	7700 (1)	800	160	4654254
Perfluorohexanoic Acid (PFHxA)	ng/L	2700 (1)	800	170	4654254	1200 (1)	800	170	4654254
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	910 (1)	800	200	4654254	300	100	20	4660101
Perfluorononanoic Acid (PFNA)	ng/L	190 U (1) u	800	190	4654254	76 J J	100	17	4660101
Perfluorooctane Sulfonamide (PFOSA)	ng/L	230 U (1) u	800	230	4654254	83 J J	200	30	4660101
Perfluorooctane Sulfonate (PFOS)	ng/L	56000 (2)	8000	1400	4654254	25000 (1)	800	140	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	490 J (1) J	800	210	4654254	190	100	23	4660101
Perfluorotetradecanoic Acid	ng/L	200 U (1) u	800	200	4654254	31 U u	100	31	4660101
Perfluorotridecanoic Acid	ng/L	300 U (1) ↓	800	300	4654254	30 U ↓	100	30	4660101
Perfluoroundecanoic Acid (PFUnA)	ng/L	140 U (1) ↓	800	140	4654254	25 U ↓	100	25	4660101
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	128	N/A	N/A	4654254	123	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	108	N/A	N/A	4654254	107	N/A	N/A	4660101
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis with 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI394				DAI395			
Sampling Date		2016/09/02 14:25				2016/09/04 11:35			
COC Number		n/a				n/a			
	UNITS	LKHRT16-004-GW-920	RDL	MDL	QC Batch	LKHRT20-002-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	1200 (1)	800	210	4654254	120	40	8.7	4660101
8:2 Fluorotelomer sulfonate	ng/L	1300 (1)	800	280	4654254	89	40	9.9	4660101
Perfluorobutane Sulfonate (PFBS)	ng/L	920 (1)	800	230	4654254	25	20	2.7	4660101
Perfluorobutanoic acid	ng/L	380 J (1) J	800	200	4654254	140	20	4.1	4660101
Perfluorodecane Sulfonate	ng/L	220 U (1) u	800	220	4654254	3.8 U u	20	3.8	4660101
Perfluorodecanoic Acid (PFDA)	ng/L	200 U (1) u	800	200	4654254	8.0 J J	20	2.4	4660101
Perfluorododecanoic Acid (PFDoA)	ng/L	160 U (1) u	800	160	4654254	6.3 U u	20	6.3	4660101
Perfluoroheptanoic Acid (PFHpA)	ng/L	480 J (1) J	800	270	4654254	270	20	3.9	4660101
Perfluorohexane Sulfonate (PFHxS)	ng/L	13000 (1)	800	160	4654254	530	20	4.0	4660101
Perfluorohexanoic Acid (PFHxA)	ng/L	2500 (1)	800	170	4654254	280	20	4.2	4660101
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	930 (1)	800	200	4654254	190	20	3.9	4660101
Perfluorononanoic Acid (PFNA)	ng/L	190 U (1) u	800	190	4654254	96	20	3.3	4660101
Perfluorooctane Sulfonamide (PFOSA)	ng/L	230 U (1) u	800	230	4654254	5.9 U u	40	5.9	4660101
Perfluorooctane Sulfonate (PFOS)	ng/L	53000 (2)	8000	1400	4654254	2700 (1)	800	140	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	610 J (1) J	800	210	4654254	340	20	4.6	4660101
Perfluorotetradecanoic Acid	ng/L	200 U (1) u	800	200	4654254	6.1 U u	20	6.1	4660101
Perfluorotridecanoic Acid	ng/L	300 U (1) ↓	800	300	4654254	6.0 U ↓	20	6.0	4660101
Perfluoroundecanoic Acid (PFUnA)	ng/L	140 U (1) ↓	800	140	4654254	5.0 U ↓	20	5.0	4660101
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	108	N/A	N/A	4654254	101	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	117	N/A	N/A	4654254	82	N/A	N/A	4660101
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis with 10x dilution. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI396				DAI398			
Sampling Date		2016/09/03 08:45				2016/09/03 08:30			
COC Number		n/a				n/a			
	UNITS	FTDIX14-005-SW-001	RDL	MDL	QC Batch	FTDIX-RS-06	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	62	40	8.7	4660101	0.87 U	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	9.9 U <i>u</i>	40	9.9	4660101	0.99 U	4.0	0.99	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	46	20	2.7	4660101	0.27 U	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	34	20	4.1	4660101	0.41 U	2.0	0.41	4660656
Perfluorodecane Sulfonate	ng/L	3.8 U <i>u</i>	20	3.8	4660101	0.38 U	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U <i>↓</i>	20	2.4	4660101	0.24 U	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U <i>↓</i>	20	6.3	4660101	0.63 U	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	60	20	3.9	4660101	0.40 J	2.0	0.39	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	290	20	4.0	4660101	0.40 U	2.0	0.40	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	100	20	4.2	4660101	0.42 U	2.0	0.42	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	27	20	3.9	4660101	7.5	2.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	9.6 J <i>J</i>	20	3.3	4660101	0.33 U	2.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	10 J <i>J</i>	40	5.9	4660101	0.59 U	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	1100 (1)	800	140	4654254	0.30 U	2.0	0.30	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	120	20	4.6	4660101	0.46 U	2.0	0.46	4660656
Perfluorotetradecanoic Acid	ng/L	6.1 U <i>UJ Pa</i>	20	6.1	4660101	0.63 J	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	6.0 U <i>UJ Pa</i>	20	6.0	4660101	0.60 U	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U <i>u</i>	20	5.0	4660101	0.50 U	2.0	0.50	4660656
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	99	N/A	N/A	4654254	98	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	74	N/A	N/A	4660101	101	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI399	DAI401			
Sampling Date		2016/09/03 09:30	2016/09/03 10:17			
COC Number		n/a	n/a			
	UNITS	FTDIX14-002-SW-001	FTDIX14-MW2D-GW-053	RDL	MDL	QC Batch
Miscellaneous Parameters						
6:2 Fluorotelomer sulfonate	ng/L	74	160 J 17	40	8.7	4660101
8:2 Fluorotelomer sulfonate	ng/L	9.9 U u	9.9 U u	40	9.9	4660101
Perfluorobutane Sulfonate (PFBS)	ng/L	34	49 J 17	20	2.7	4660101
Perfluorobutanoic acid	ng/L	28	42 J 17	20	4.1	4660101
Perfluorodecane Sulfonate	ng/L	3.8 U u	3.8 U u	20	3.8	4660101
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U u	2.4 U ↓	20	2.4	4660101
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U u	6.3 U ↓	20	6.3	4660101
Perfluoroheptanoic Acid (PFHpA)	ng/L	40	120	20	3.9	4660101
Perfluorohexane Sulfonate (PFHxS)	ng/L	220	370 J 17	20	4.0	4660101
Perfluorohexanoic Acid (PFHxA)	ng/L	76	150	20	4.2	4660101
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	30	50 J 17	20	3.9	4660101
Perfluorononanoic Acid (PFNA)	ng/L	12 J J	11 J J	20	3.3	4660101
Perfluorooctane Sulfonamide (PFOSA)	ng/L	17 J J	14 J J 17	40	5.9	4660101
Perfluorooctane Sulfonate (PFOS)	ng/L	1400 (1)	1500 (1) J 8a	800	140	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	99	180 J 17	20	4.6	4660101
Perfluorotetradecanoic Acid	ng/L	6.1 U U 10a	6.1 U U 10a	20	6.1	4660101
Perfluorotridecanoic Acid	ng/L	6.0 U U 10a	6.0 U U 10a	20	6.0	4660101
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U u	5.0 U u	20	5.0	4660101
Surrogate Recovery (%)						
13C4-Perfluorooctanesulfonate	%	96	105	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	104	76	N/A	N/A	4660101
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.						

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI402				DAI403			
Sampling Date		2016/09/03 10:17				2016/09/03 14:05			
COC Number		n/a				n/a			
	UNITS	FTDIX14-MW2D-GW-953	RDL	MDL	QC Batch	LKHRT20-L-GW-019	RDL	MDL	QC Batch

Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	240 (1) J 17	40	8.7	4660656	31 J (1) J	40	8.7	4660656
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) u	40	9.9	4660656	9.9 U (1) u	40	9.9	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	67 (1) J 17	20	2.7	4660656	270 (1)	20	2.7	4660656
Perfluorobutanoic acid	ng/L	72 (1) J 17	20	4.1	4660656	45 (1)	20	4.1	4660656
Perfluorodecane Sulfonate	ng/L	3.8 U (1) u	20	3.8	4660656	3.8 U (1) u	20	3.8	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U (1) u	20	2.4	4660656	2.4 U (1) u	20	2.4	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) u	20	6.3	4660656	6.3 U (1) u	20	6.3	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	150 (1)	20	3.9	4660656	43 (1)	20	3.9	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	560 (1) J 17	20	4.0	4660656	1800 (2)	800	160	4654254
Perfluorohexanoic Acid (PFHxA)	ng/L	190 (1)	20	4.2	4660656	160 (1)	20	4.2	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	79 (1) J 17	20	3.9	4660656	200 (1)	20	3.9	4660656
Perfluorononanoic Acid (PFNA)	ng/L	14 J (1) J	20	3.3	4660656	120 (1)	20	3.3	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	21 J (1) J 17	40	5.9	4660656	5.9 U (1) u	40	5.9	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	1500 (2)	800	140	4654254	1200 (2)	800	140	4654254
Perfluoropentanoic Acid (PFPeA)	ng/L	270 (1) J 17	20	4.6	4660656	64 (1)	20	4.6	4660656
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) u	20	6.1	4660656	6.1 U (1) u	20	6.1	4660656
Perfluorotridecanoic Acid	ng/L	6.0 U (1) u	20	6.0	4660656	6.0 U (1) u	20	6.0	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1) u	20	5.0	4660656	5.0 U (1) u	20	5.0	4660656

Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	102	N/A	N/A	4654254	106	N/A	N/A	4654254
13C4-Perfluorooctanoic acid	%	83	N/A	N/A	4660656	80	N/A	N/A	4660656

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI404				DAI406			
Sampling Date		2016/09/03 15:50				2016/09/04 08:45			
COC Number		n/a				n/a			
	UNITS	LKHRT21-005-SW-001	RDL	MDL	QC Batch	LKHRT20-004-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	830 (1)	800	210	4654254	69	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	970 (1)	800	280	4654254	110 (2)	40	9.9	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	79 (3)	20	2.7	4660656	8.6	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	100 (3)	20	4.1	4660656	79 J 7a	2.0	0.41	4660656
Perfluorodecane Sulfonate	ng/L	10 J (3) J	20	3.8	4660656	0.53 J J	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	11 J (3) J	20	2.4	4660656	8.1 J 7a	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (3) u	20	6.3	4660656	0.63 U u	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	220 (3)	20	3.9	4660656	140 (2)	20	3.9	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	1000 (1)	800	160	4654254	120 (2)	20	4.0	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	390 (3)	20	4.2	4660656	150 (2)	20	4.2	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	650 (3)	20	3.9	4660656	80 J 7a 10a	2.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	49 (3)	20	3.3	4660656	27 J 7a 10a	2.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	64 (3)	40	5.9	4660656	1.6 J J	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	5200 (1)	800	140	4654254	290 (2)	20	3.0	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	280 (3)	20	4.6	4660656	220 (2)	20	4.6	4660656
Perfluorotetradecanoic Acid	ng/L	6.1 U (3) u	20	6.1	4660656	0.61 U u	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	6.0 U (3) ↓	20	6.0	4660656	0.60 U ↓	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (3) ↓	20	5.0	4660656	0.50 U ↓	2.0	0.50	4660656
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	98	N/A	N/A	4654254	69	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	89	N/A	N/A	4660656	35 Q (4)	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly. (4) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI407			DAI408			
Sampling Date		2016/09/04 09:10			2016/09/04 09:50			
COC Number		n/a			n/a			
	UNITS	LKHRT-RS-06	RDL	MDL	LKHRT20-005-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U	4.0	0.87	89	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	110 (1)	40	9.9	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	3.5	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	0.41 U	2.0	0.41	75 J 7a	2.0	0.41	4660656
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	0.72 J J	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U	2.0	0.24	8.4 J 7a	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U	2.0	0.63	0.63 U US 7a	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U	2.0	0.39	100 (1)	20	3.9	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.40 U	2.0	0.40	60	2.0	0.40	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	83 J 7a	2.0	0.42	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.39 U	2.0	0.39	50 J 7a	2.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U	2.0	0.33	24 J 7a	2.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U	4.0	0.59	1.6 J J	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	0.30 U	2.0	0.30	170 (1)	20	3.0	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U	2.0	0.46	110 (1)	20	4.6	4660656
Perfluorotetradecanoic Acid	ng/L	0.61 U	2.0	0.61	0.61 U US 7a	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	0.60 U	2.0	0.60	0.60 U US 7a	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U	2.0	0.50	0.54 J J 7a	2.0	0.50	4660656
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	86	N/A	N/A	82	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	90	N/A	N/A	60	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.								

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI409			DAI410			
Sampling Date		2016/09/04 10:50			2016/09/04 13:10			
COC Number		n/a			n/a			
	UNITS	LKHRT20-001-GW-010	RDL	MDL	LKHRT20-003-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U <i>u</i>	4.0	0.87	0.87 U <i>u</i>	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	0.99 U <i>u</i>	4.0	0.99	0.99 U <i>u</i>	4.0	0.99	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	0.41 J <i>J</i>	2.0	0.27	13	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	46 J <i>7a</i>	2.0	0.41	15 J (1) <i>J 7a</i>	20	4.1	4660656
Perfluorodecane Sulfonate	ng/L	0.38 U <i>u</i>	2.0	0.38	0.38 U <i>u</i>	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	5.2 J <i>7a</i>	2.0	0.24	0.24 U <i>u 7a</i>	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U <i>u 7a</i>	2.0	0.63	0.63 U <i>u 7a</i>	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	9.8 J <i>7a</i>	2.0	0.39	6.4 J <i>17, 7a</i>	0.39		4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	4.3	2.0	0.40	180 (2)	20	4.0	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	31 J <i>7a</i>	2.0	0.42	14 J <i>17, 7a</i>	2.0	0.42	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	17 J <i>7a, 10a</i>	2.0	0.39	20 J <i>17, 7a</i>	2.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	8.1 J <i>7a, 10a</i>	2.0	0.33	3.9 J <i>17, 7a</i>	2.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U <i>u</i>	4.0	0.59	0.59 U <i>u</i>	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	24	2.0	0.30	560 (2) J <i>17</i>	20	3.0	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	73 J <i>7a</i>	2.0	0.46	5.7 J <i>17</i>	2.0	0.46	4660656
Perfluorotetradecanoic Acid	ng/L	0.61 U <i>u 7a, 10a</i>	2.0	0.61	0.61 U <i>u 7a</i>	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	0.60 U <i>u 7a, 10a</i>	2.0	0.60	0.60 U <i>u 7a</i>	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	1.4 J <i>J 7a</i>	2.0	0.50	0.50 U <i>u 7a</i>	2.0	0.50	4660656
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	63	N/A	N/A	77	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	44 Q (3)	N/A	N/A	32 Q (3)	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to matrix interference, sample required dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.								

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI411				DAI412			
Sampling Date		2016/09/04 13:10				2016/09/04 15:50			
COC Number		n/a				n/a			
	UNITS	LKHRT20-003-GW-910	RDL	MDL	QC Batch	LKHRT20-008-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	8.7 U (1) <i>u</i>	40	8.7	4660656	0.87 U <i>u</i>	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) <i>u</i>	40	9.9	4660656	0.99 U <i>u</i>	4.0	0.99	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	12 J (1) <i>J</i>	20	2.7	4660656	4.0	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	20 (1)	20	4.1	4660656	6.8	2.0	0.41	4660656
Perfluorodecane Sulfonate	ng/L	3.8 U (1) <i>u</i>	20	3.8	4660656	0.38 U <i>u</i>	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U (1) <i>u</i>	20	2.4	4660656	0.24 U <i>↓</i>	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) <i>u</i>	20	6.3	4660656	0.63 U <i>↓</i>	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	13 J (1) <i>J 17</i>	20	3.9	4660656	7.4	2.0	0.39	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	200 (1)	20	4.0	4660656	48	2.0	0.40	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	22 (1) <i>J 17</i>	20	4.2	4660656	14	2.0	0.42	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	98 (1) <i>J 17</i>	20	3.9	4660656	82	2.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	7.4 J (1) <i>J 17</i>	20	3.3	4660656	1.0 J <i>J</i>	2.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U (1) <i>u</i>	40	5.9	4660656	0.59 U <i>u</i>	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	910 (2) <i>J 17</i>	800	140	4654268	94	2.0	0.30	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	12 J (1) <i>J 17</i>	20	4.6	4660656	10	2.0	0.46	4660656
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) <i>u</i>	20	6.1	4660656	0.61 U <i>u</i>	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	6.0 U (1) <i>↓</i>	20	6.0	4660656	0.60 U <i>↓</i>	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1) <i>↓</i>	20	5.0	4660656	0.50 U <i>↓</i>	2.0	0.50	4660656
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	111	N/A	N/A	4654268	79	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	63	N/A	N/A	4660656	78	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI414				DAI416			
Sampling Date		2016/09/04 10:00				2016/09/04 16:50			
COC Number		n/a				n/a			
	UNITS	LKHRT20-007-GW-010	RDL	MDL	QC Batch	LKHRT20-006-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	160 (1)	80	17	4660656	13	4.0	0.87	4660656
8:2 Fluorotelomer sulfonate	ng/L	380 (1)	80	20	4660656	28	4.0	0.99	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	120 (1)	40	5.4	4660656	12	2.0	0.27	4660656
Perfluorobutanoic acid	ng/L	120 (1)	40	8.2	4660656	28 J 7a	2.0	0.41	4660656
Perfluorodecane Sulfonate	ng/L	7.6 U (1) U	40	7.6	4660656	2.0 J 5	2.0	0.38	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	4.8 U (1) ↓	40	4.8	4660656	4.7 J 7a	2.0	0.24	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	13 U (1) ↓	40	13	4660656	0.63 U UJ 7a	2.0	0.63	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	120 (1)	40	7.8	4660656	20 J 7a	2.0	0.39	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	940 (1)	40	8.0	4660656	220 (2)	20	4.0	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	190 (1)	40	8.4	4660656	40 J 7a	2.0	0.42	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	330 (1)	40	7.8	4660656	91 J 7a, 100	4.0	0.39	4660656
Perfluorononanoic Acid (PFNA)	ng/L	51 (1)	40	6.6	4660656	12 J 7a, 100	4.0	0.33	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	52 J (1) J	80	12	4660656	1.3 J J	4.0	0.59	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	6100 (3)	800	140	4654268	550 (2)	20	3.0	4660656
Perfluoropentanoic Acid (PFPeA)	ng/L	230 (1)	40	9.2	4660656	32 J 7a	2.0	0.46	4660656
Perfluorotetradecanoic Acid	ng/L	12 U (1) U	40	12	4660656	0.61 U UJ 7a	2.0	0.61	4660656
Perfluorotridecanoic Acid	ng/L	12 U (1) ↓	40	12	4660656	0.60 U ↓ ↓	2.0	0.60	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	10 U (1) ↓	40	10	4660656	0.95 J J 7a	2.0	0.50	4660656
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	98	N/A	N/A	4654268	73	N/A	N/A	4660656
13C4-Perfluorooctanoic acid	%	84	N/A	N/A	4660656	29 Q (4)	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 20x dilution. Detection limit was adjusted accordingly. (2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly. (3) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly. (4) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI417				DAI418			
Sampling Date		2016/09/05 15:30				2016/09/05 16:10			
COC Number		n/a				n/a			
	UNITS	LKHRT-RS-07	RDL	MDL	QC Batch	LKHRT21-004-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U	4.0	0.87	4660656	46 (1)	40	8.7	4660656
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	4660656	250 (1)	40	9.9	4660656
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	4660656	9.7 J (1) J	20	2.7	4660656
Perfluorobutanoic acid	ng/L	0.41 U	2.0	0.41	4660656	44 (1)	20	4.1	4660656
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	4660656	3.8 U (1) u	20	3.8	4660656
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U	2.0	0.24	4660656	2.4 U (1) ↓	20	2.4	4660656
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U	2.0	0.63	4660656	6.3 U (1) ↓	20	6.3	4660656
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U	2.0	0.39	4660656	52 (1)	20	3.9	4660656
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.40 U	2.0	0.40	4660656	250 (1)	20	4.0	4660656
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	4660656	100 (1)	20	4.2	4660656
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.73 J	2.0	0.39	4660656	150 (1)	20	3.9	4660656
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U	2.0	0.33	4660656	24 (1)	20	3.3	4660656
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U	4.0	0.59	4660656	25 J (1) J	40	5.9	4660656
Perfluorooctane Sulfonate (PFOS)	ng/L	0.75 J	2.0	0.30	4660656	1400 (2)	800	140	4654268
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U	2.0	0.46	4660656	92 (1)	20	4.6	4660656
Perfluorotetradecanoic Acid	ng/L	0.61 U	2.0	0.61	4660656	6.1 U (1) u	20	6.1	4660656
Perfluorotridecanoic Acid	ng/L	0.60 U	2.0	0.60	4660656	6.0 U (1) ↓	20	6.0	4660656
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U	2.0	0.50	4660656	5.0 U (1) ↓	20	5.0	4660656
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	89	N/A	N/A	4660656	105	N/A	N/A	4654268
13C4-Perfluorooctanoic acid	%	88	N/A	N/A	4660656	93	N/A	N/A	4660656
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B611253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI419				DAI427			
Sampling Date		2016/09/06 12:47				2016/09/06 13:27			
COC Number		n/a				n/a			
	UNITS	LKHRT21-002-GW-010	RDL	MDL	QC Batch	LKHRT21-003-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	250 (1) J 10a	80	17	4664036	4100	800	170	4654268
8:2 Fluorotelomer sulfonate	ng/L	160 (1) J 10a	80	20	4664036	3900	800	200	4654268
Perfluorobutane Sulfonate (PFBS)	ng/L	20 J (1)	40	5.4	4664036	520 J J	800	110	4654268
Perfluorobutanoic acid	ng/L	270 (1)	40	8.2	4664036	670 J J	800	160	4654268
Perfluorodecane Sulfonate	ng/L	7.6 U (1) u	40	7.6	4664036	150 U u	800	150	4654268
Perfluorodecanoic Acid (PFDA)	ng/L	4.8 U (1) J	40	4.8	4664036	96 U J	800	96	4654268
Perfluorododecanoic Acid (PFDoA)	ng/L	13 U (1) J	40	13	4664036	250 U J	800	250	4654268
Perfluoroheptanoic Acid (PFHpA)	ng/L	480 (1)	40	7.8	4664036	790 J J	800	160	4654268
Perfluorohexane Sulfonate (PFHxS)	ng/L	1200 (2)	800	160	4654268	3400	800	160	4654268
Perfluorohexanoic Acid (PFHxA)	ng/L	560 (1)	40	8.4	4664036	2700	800	170	4654268
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	430 (1)	40	7.8	4664036	2900	800	160	4654268
Perfluorononanoic Acid (PFNA)	ng/L	540 (1)	40	6.6	4664036	130 U u	800	130	4654268
Perfluorooctane Sulfonamide (PFOSA)	ng/L	12 U (1) u	80	12	4664036	160 J J	800	120	4654268
Perfluorooctane Sulfonate (PFOS)	ng/L	7400 (2)	800	140	4654268	32000 J 8a	800	120	4654268
Perfluoropentanoic Acid (PFPeA)	ng/L	1100 (2)	800	210	4654268	2200	800	180	4654268
Perfluorotetradecanoic Acid	ng/L	12 U (1) u	40	12	4664036	240 U u	800	240	4654268
Perfluorotridecanoic Acid	ng/L	12 U (1) u	40	12	4664036	240 U J	800	240	4654268
Perfluoroundecanoic Acid (PFUnA)	ng/L	10 U (1) u	40	10	4664036	200 U J	800	200	4654268
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	113	N/A	N/A	4654268	98	N/A	N/A	4654268
13C4-Perfluorooctanoic acid	%	126	N/A	N/A	4664036	98	N/A	N/A	4654268
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Due to high concentration of the target analyte, sample required 20x dilution. Detection limit was adjusted accordingly. (2) Due to high concentrations of the target analytes, sample required high level analysis. Detection limit was adjusted accordingly.									

Maxxam Job #: B6J1253
Report Date: 2016/09/23

Aerostar SES LLC
Client Project #: M2032.0001(SAVANNAH)
Site Location: JBMDL

RESULTS OF ANALYSES OF WATER

Maxxam ID		DAI428				DAI429			
Sampling Date		2016/09/06 13:27				2016/09/06 13:15			
COC Number		n/a				n/a			
	UNITS	LKHRT21-003-GW-915	RDL	MDL	QC Batch	LKHRT-RS-08	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	4100	800	170	4654268	0.87 U	4.0	0.87	4664036
8:2 Fluorotelomer sulfonate	ng/L	3700	800	200	4654268	0.99 U	4.0	0.99	4664036
Perfluorobutane Sulfonate (PFBS)	ng/L	500 J	800	110	4654268	0.27 U	2.0	0.27	4664036
Perfluorobutanoic acid	ng/L	650 J	800	160	4654268	0.41 U	2.0	0.41	4664036
Perfluorodecane Sulfonate	ng/L	150 U	800	150	4654268	0.38 U	2.0	0.38	4664036
Perfluorodecanoic Acid (PFDA)	ng/L	96 U	800	96	4654268	0.24 U	2.0	0.24	4664036
Perfluorododecanoic Acid (PFDoA)	ng/L	250 U	800	250	4654268	0.63 U	2.0	0.63	4664036
Perfluoroheptanoic Acid (PFHpA)	ng/L	850	800	160	4654268	0.39 U	2.0	0.39	4664036
Perfluorohexane Sulfonate (PFHxS)	ng/L	3300	800	160	4654268	0.40 U	2.0	0.40	4664036
Perfluorohexanoic Acid (PFHxA)	ng/L	2500	800	170	4654268	0.42 U	2.0	0.42	4664036
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	3000	800	160	4654268	0.39 U	2.0	0.39	4664036
Perfluorononanoic Acid (PFNA)	ng/L	130 U	800	130	4654268	0.33 U	2.0	0.33	4664036
Perfluorooctane Sulfonamide (PFOSA)	ng/L	120 U	800	120	4654268	0.59 U	4.0	0.59	4664036
Perfluorooctane Sulfonate (PFOS)	ng/L	30000	800	120	4654268	0.93 J	2.0	0.30	4664036
Perfluoropentanoic Acid (PFPeA)	ng/L	2100	800	180	4654268	0.46 U	2.0	0.46	4664036
Perfluorotetradecanoic Acid	ng/L	240 U	800	240	4654268	0.61 U	2.0	0.61	4664036
Perfluorotridecanoic Acid	ng/L	240 U	800	240	4654268	0.60 U	2.0	0.60	4664036
Perfluoroundecanoic Acid (PFUnA)	ng/L	200 U	800	200	4654268	0.50 U	2.0	0.50	4664036
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	115	N/A	N/A	4654268	134 Q (1)	N/A	N/A	4664036
13C4-Perfluorooctanoic acid	%	110	N/A	N/A	4654268	144 Q (1)	N/A	N/A	4664036
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Surrogate recovery was above the defined upper control limit (UCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data high. Because quantitation is performed using isotope dilution techniques, any apparent gains of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar gain of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the high surrogate recovery.									