Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA392			CYA394	CYA395			
Sampling Date		2016/08/20 08:40			2016/08/20 09:32	2016/08/20 11:02			
COC Number		na			na	na			
	UNITS	MCGRE10-007-SW-001	RDL	MDL	MCGRE01-SS26-MW03-GW-017	MCGRE01-SS26-MW311-GW-017	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	150 (1)	40	8.7	0.87 U U	0.87 U U	4.0	0.87	4642315
8:2 Fluorotelomer sulfonate	ng/L	1.6 J J 10a	4.0	0.99	0.99 U U	0.99 U U	4.0	0.99	4642315
Perfluorobutane Sulfonate (PFBS)	ng/L	37	2.0	0.27	1.3 J J	1.7 J J	2.0	0.27	4642315
Perfluorobutanoic acid	ng/L	26	2.0	0.41	4.1	0.41 U U	2.0	0.41	4642315
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U U	0.38 U	2.0	0.38	4642315
Perfluorodecanoic Acid (PFDA)	ng/L	20	2.0	0.24	0.24 U U	0.24 U	2.0	0.24	4642315
Perfluorododecanoic Acid (PFDoA)	ng/L	5.5	2.0	0.63	0.63 U U	0.63 U	2.0	0.63	4642315
Perfluoroheptanoic Acid (PFHpA)	ng/L	39	2.0	0.39	4.8	0.39 U	2.0	0.39	4642315
Perfluorohexane Sulfonate (PFHxS)	ng/L	270 (1)	20	4.0	9.6	31	2.0	0.40	4642315
Perfluorohexanoic Acid (PFHxA)	ng/L	140 (1)	20	4.2	5.1	0.42 U U	2.0	0.42	4642315
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	96	2.0	0.39	15	1.9 J J	2.0	0.39	4642315
Perfluorononanoic Acid (PFNA)	ng/L	11	2.0	0.33	0.48 J J	0.33 U U	2.0	0.33	4642315
Perfluorooctane Sulfonamide (PFOSA)	ng/L	2.2 JQ J 10a	4.0	0.59	0.59 UQ UJ 10a	0.59 UQ UJ 10a	4.0	0.59	4642315
Perfluorooctane Sulfonate (PFOS)	ng/L	300 (1)	20	3.0	4.8	0.49 J J	2.0	0.30	4642315
Perfluoropentanoic Acid (PFPeA)	ng/L	82	2.0	0.46	4.3	0.68 J J	2.0	0.46	4642315
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	0.61 U U	0.61 U U	2.0	0.61	4642315
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	0.60 U U	0.60 U U	2.0	0.60	4642315
Perfluoroundecanoic Acid (PFUnA)	ng/L	2.8	2.0	0.50	0.50 U U	0.50 U U	2.0	0.50	4642315
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	84	N/A	N/A	75	74	N/A	N/A	4642315
13C4-Perfluorooctanoic acid	%	71	N/A	N/A	70	77	N/A	N/A	4642315

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA396			CYA397			
Sampling Date		2016/08/20 12:57			2016/08/20 13:40			
COC Number		na			na			
	UNITS	MCGRE10-MW-UNKNOWN-GW-022	RDL	MDL	MCGRE10-12-MW-002-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	4.0	0.87	27 J 10a	4.0	0.87	4642315
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	4.4	4.0	0.99	4642315
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	24	2.0	0.27	4642315
Perfluorobutanoic acid	ng/L	0.41 U	2.0	0.41	29 J 7a	2.0	0.41	4642315
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	0.38 U U	2.0	0.38	4642315
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U	2.0	0.24	0.24 U UJ 7a	2.0	0.24	4642315
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U	2.0	0.63	0.63 U UJ 7a	2.0	0.63	4642315
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U	2.0	0.39	69 J 7a	2.0	0.39	4642315
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.40 U	2.0	0.40	230 (1)	20	4.0	4642315
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	140 (1)	20	4.2	4642315
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.39 U	2.0	0.39	68 J 7a	2.0	0.39	4642315
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U	2.0	0.33	8.7 J 7a	2.0	0.33	4642315
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 UQ UJ 10a	4.0	0.59	0.59 UQ UJ 10a	4.0	0.59	4642315
Perfluorooctane Sulfonate (PFOS)	ng/L	0.30 U U	2.0	0.30	530 (1)	20	3.0	4642315
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U U	2.0	0.46	72 J 7a	2.0	0.46	4642315
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 10a	2.0	0.61	0.61 U UJ 7a	2.0	0.61	4642315
Perfluorotridecanoic Acid	ng/L	0.60 U UJ 10a	2.0	0.60	0.60 U	2.0	0.60	4642315
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	2.0	0.50	0.50 U	2.0	0.50	4642315
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	82	N/A	N/A	79	N/A	N/A	4642315
13C4-Perfluorooctanoic acid	%	78	N/A	N/A	56	N/A	N/A	4642315

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 #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA398			CYA400			
Sampling Date		2016/08/20 14:20			2016/08/20 13:30			
COC Number		na			na			
	UNITS	MCGRE10-008-SW-001	RDL	MDL	MCGRE-RS-11	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	130 (1)	40	8.7	0.87 U UJ K	4.0	0.87	4642315
8:2 Fluorotelomer sulfonate	ng/L	1.7 J J	4.0	0.99	0.99 U	4.0	0.99	4642315
Perfluorobutane Sulfonate (PFBS)	ng/L	33	2.0	0.27	0.27 U	2.0	0.27	4642315
Perfluorobutanoic acid	ng/L	34	2.0	0.41	0.41 U	2.0	0.41	4642315
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U	2.0	0.38	4642315
Perfluorodecanoic Acid (PFDA)	ng/L	20	2.0	0.24	0.24 U	2.0	0.24	4642315
Perfluorododecanoic Acid (PFDoA)	ng/L	5.8	2.0	0.63	0.63 U	2.0	0.63	4642315
Perfluoroheptanoic Acid (PFHpA)	ng/L	41	2.0	0.39	0.39 U	2.0	0.39	4642315
Perfluorohexane Sulfonate (PFHxS)	ng/L	330 (1)	20	4.0	0.40 U	2.0	0.40	4642315
Perfluorohexanoic Acid (PFHxA)	ng/L	140 (1)	20	4.2	0.42 U	2.0	0.42	4642315
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	93	2.0	0.39	0.39 U	2.0	0.39	4642315
Perfluorononanoic Acid (PFNA)	ng/L	10	2.0	0.33	0.33 U	2.0	0.33	4642315
Perfluorooctane Sulfonamide (PFOSA)	ng/L	2.0 JQ UJ 10a	4.0	0.59	0.59 UQ UJ K	4.0	0.59	4642315
Perfluorooctane Sulfonate (PFOS)	ng/L	290 (1)	20	3.0	0.30 U U	2.0	0.30	4642315
Perfluoropentanoic Acid (PFPeA)	ng/L	91	2.0	0.46	0.46 U	2.0	0.46	4642315
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 10a	2.0	0.61	0.61 U	2.0	0.61	4642315
Perfluorotridecanoic Acid	ng/L	0.60 U UJ 10a	2.0	0.60	0.60 U	2.0	0.60	4642315
Perfluoroundecanoic Acid (PFUnA)	ng/L	2.8	2.0	0.50	0.50 U	2.0	0.50	4642315
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	77	N/A	N/A	82	N/A	N/A	4642315
13C4-Perfluorooctanoic acid	%	72	N/A	N/A	79	N/A	N/A	4642315

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 #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA401			CYA402	CYA403			
Sampling Date		2016/08/20 15:35			2016/08/21 08:52	2016/08/21 08:20			
COC Number		na			na	na			
	UNITS	FTDIX12-FTG-02-GW-011	RDL	MDL	FTDIX12-FTT-13-GW-027	FTDIX-RS-01	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	4.0	0.87	0.87 U U	0.87 U U	4.0	0.87	4642315
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	4.0	0.99	0.99 U U	0.99 U	4.0	0.99	4642315
Perfluorobutane Sulfonate (PFBS)	ng/L	34	2.0	0.27	7.1	0.27 U	2.0	0.27	4642315
Perfluorobutanoic acid	ng/L	24 (1) J 10a	20	4.1	5.5	0.41 U	2.0	0.41	4642315
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U U	0.38 U	2.0	0.38	4642315
Perfluorodecanoic Acid (PFDA)	ng/L	2.5	2.0	0.24	0.24 U U	0.24 U	2.0	0.24	4642315
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	0.63 U U	0.63 U	2.0	0.63	4642315
Perfluoroheptanoic Acid (PFHpA)	ng/L	11	2.0	0.39	5.2	0.39 U	2.0	0.39	4642315
Perfluorohexane Sulfonate (PFHxS)	ng/L	190 (2)	20	4.0	48	0.40 U	2.0	0.40	4642315
Perfluorohexanoic Acid (PFHxA)	ng/L	35	2.0	0.42	14	0.42 U	2.0	0.42	4642315
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	23	2.0	0.39	16	0.39 U	2.0	0.39	4642315
Perfluorononanoic Acid (PFNA)	ng/L	6.4	2.0	0.33	3.0	0.33 U	2.0	0.33	4642315
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 UQ UJ 10a	4.0	0.59	0.59 UQ UJ 10a	0.59 UQ U	4.0	0.59	4642315
Perfluorooctane Sulfonate (PFOS)	ng/L	100 (2)	20	3.0	20	0.30 U U	2.0	0.30	4642315
Perfluoropentanoic Acid (PFPeA)	ng/L	12	2.0	0.46	7.6	0.46 U	2.0	0.46	4642315
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	0.61 U U	0.61 U	2.0	0.61	4642315
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	0.60 U U	0.60 U	2.0	0.60	4642315
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.60 J J	2.0	0.50	0.50 U U	0.50 U	2.0	0.50	4642315
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	71	N/A	N/A	82	70	N/A	N/A	4642315
13C4-Perfluorooctanoic acid	%	78	N/A	N/A	73	71	N/A	N/A	4642315

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to matrix interference, the internal standard exhibited low recovery and as such, may not have allowed for accurate recovery correction of the associated native compound. The sample was diluted 10x and 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 #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA404				CYA406			
Sampling Date		2016/08/21 10:10				2016/08/18 13:30			
COC Number		na				na			
	UNITS	FTDIX12-FTT-14-GW-020	RDL	MDL	QC Batch	MCGRE01-SS35-MW-08-GW-017	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	4.0	0.87	4642315	6.2	4.0	0.87	4640994
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	4.0	0.99	4642315	7.0	4.0	0.99	4640994
Perfluorobutane Sulfonate (PFBS)	ng/L	26	2.0	0.27	4642315	0.72 J J	2.0	0.27	4640994
Perfluorobutanoic acid	ng/L	18	2.0	0.41	4642315	0.41 U U	2.0	0.41	4640994
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	4642315	0.38 U U	2.0	0.38	4640994
Perfluorodecanoic Acid (PFDA)	ng/L	0.41 J J	2.0	0.24	4642315	0.24 U U	2.0	0.24	4640994
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	4642315	0.63 U U	2.0	0.63	4640994
Perfluoroheptanoic Acid (PFHpA)	ng/L	27	2.0	0.39	4642315	0.86 J J	2.0	0.39	4640994
Perfluorohexane Sulfonate (PFHxS)	ng/L	360 (1)	40	8.0	4642315	9.1	2.0	0.40	4640994
Perfluorohexanoic Acid (PFHxA)	ng/L	77	2.0	0.42	4642315	1.8 J J	2.0	0.42	4640994
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	74	2.0	0.39	4642315	1.3 J J	2.0	0.39	4640994
Perfluorononanoic Acid (PFNA)	ng/L	21	2.0	0.33	4642315	0.33 U U	2.0	0.33	4640994
Perfluorooctane Sulfonamide (PFOSA)	ng/L	8.8 Q ~~B~~ J 100	4.0	0.59	4642315	0.59 U U	4.0	0.59	4640994
Perfluorooctane Sulfonate (PFOS)	ng/L	1200 (1)	40	6.0	4642315	61	2.0	0.30	4640994
Perfluoropentanoic Acid (PFPeA)	ng/L	36	2.0	0.46	4642315	0.79 J J	2.0	0.46	4640994
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	4642315	0.61 U U	2.0	0.61	4640994
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	4642315	0.60 U U	2.0	0.60	4640994
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	2.0	0.50	4642315	0.50 U U	2.0	0.50	4640994
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	80	N/A	N/A	4642315	113	N/A	N/A	4640994
13C4-Perfluorooctanoic acid	%	74	N/A	N/A	4642315	90	N/A	N/A	4640994

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.

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA407	CYA408	CYA412			
Sampling Date		2016/08/18 14:40	2016/08/19 06:51	2016/08/19 08:40			
COC Number		na	na	na			
	UNITS	MCGRE01-LF02-MW-08-GW-020	MCGRE-RS-10	MCGRE09-002-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	0.91 J J	0.87 U U	4.0	0.87	4640994
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	0.99 U U	0.99 U U	4.0	0.99	4640994
Perfluorobutane Sulfonate (PFBS)	ng/L	2.0 J J	0.27 U U	1.8 J J	2.0	0.27	4640994
Perfluorobutanoic acid	ng/L	22	0.41 U U	7.7	2.0	0.41	4640994
Perfluorodecane Sulfonate	ng/L	0.38 U U	0.38 U U	0.38 U U	2.0	0.38	4640994
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U U	0.24 U	1.2 J J	2.0	0.24	4640994
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	0.63 U	0.63 U U	2.0	0.63	4640994
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.89 J J	0.39 U	9.8	2.0	0.39	4640994
Perfluorohexane Sulfonate (PFHxS)	ng/L	24	0.40 U	16	2.0	0.40	4640994
Perfluorohexanoic Acid (PFHxA)	ng/L	8.8	0.42 U	9.5	2.0	0.42	4640994
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	3.0	0.39 U	40	2.0	0.39	4640994
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U U	0.33 U	5.1	2.0	0.33	4640994
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	0.59 U U	0.59 U U	4.0	0.59	4640994
Perfluorooctane Sulfonate (PFOS)	ng/L	0.30 U U	2.9	39	2.0	0.30	4640994
Perfluoropentanoic Acid (PFPeA)	ng/L	14	0.46 U U	9.7	2.0	0.46	4640994
Perfluorotetradecanoic Acid	ng/L	0.61 U U	0.61 U	0.61 U U	2.0	0.61	4640994
Perfluorotridecanoic Acid	ng/L	0.60 U U	0.60 U	0.60 U U	2.0	0.60	4640994
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	0.50 U U	0.50 U U	2.0	0.50	4640994
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	88	104	103	N/A	N/A	4640994
13C4-Perfluorooctanoic acid	%	84	86	87	N/A	N/A	4640994

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA413	CYA414	CYA415			
Sampling Date		2016/08/19 10:30	2016/08/19 11:10	2016/08/19 12:07			
COC Number		na	na	na			
	UNITS	MCGRE07-AT29-MW501-GW-020	MCGRE07-AT29-MW101-GW-009	MCGRE07-AT29-MW201-GW-010	RDL	MDL	QC Batch
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	1.6 J J	1.4 J J	4.0	0.87	4640994
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	0.99 U U	0.99 U U	4.0	0.99	4640994
Perfluorobutane Sulfonate (PFBS)	ng/L	1.3 J J	0.52 J J	6.0	2.0	0.27	4640994
Perfluorobutanoic acid	ng/L	4.8	0.41 U U	7.3	2.0	0.41	4640994
Perfluorodecane Sulfonate	ng/L	0.38 U U	0.38 U	0.38 U U	2.0	0.38	4640994
Perfluorodecanoic Acid (PFDA)	ng/L	0.83 J J	0.24 U	0.24 U U	2.0	0.24	4640994
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	0.63 U	0.63 U U	2.0	0.63	4640994
Perfluoroheptanoic Acid (PFHpA)	ng/L	5.7	0.69 J J	12	2.0	0.39	4640994
Perfluorohexane Sulfonate (PFHxS)	ng/L	18	5.0	80	2.0	0.40	4640994
Perfluorohexanoic Acid (PFHxA)	ng/L	8.3	2.0 J J	17	2.0	0.42	4640994
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	11	1.6 J J	15	2.0	0.39	4640994
Perfluorononanoic Acid (PFNA)	ng/L	1.7 J J	0.39 J J	1.6 J J	2.0	0.33	4640994
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	0.59 U U	0.59 U U	4.0	0.59	4640994
Perfluorooctane Sulfonate (PFOS)	ng/L	23	6.2	84	2.0	0.30	4640994
Perfluoropentanoic Acid (PFPeA)	ng/L	6.8	2.2	15	2.0	0.46	4640994
Perfluorotetradecanoic Acid	ng/L	0.61 U U	0.61 U U	0.61 U U	2.0	0.61	4640994
Perfluorotridecanoic Acid	ng/L	0.60 U U	0.60 U U	0.60 U U	2.0	0.60	4640994
Perfluoroundecanoic Acid (PFUnA)	ng/L	1.9 J J	0.50 U U	0.50 U U	2.0	0.50	4640994
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	99	100	96	N/A	N/A	4640994
13C4-Perfluorooctanoic acid	%	99	102	81	N/A	N/A	4640994

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA417				CYA419			
Sampling Date		2016/08/19 12:25				2016/08/19 12:45			
COC Number		na				na			
	UNITS	MCGRE07-004-SW-001	RDL	MDL	QC Batch	MCGRE07-003-SW-001	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	36	4.0	0.87	4640994	43 J 10a	4.0	0.87	4642315
8:2 Fluorotelomer sulfonate	ng/L	7.5	4.0	0.99	4640994	1.8 J J	4.0	0.99	4642315
Perfluorobutane Sulfonate (PFBS)	ng/L	51	2.0	0.27	4640994	54	2.0	0.27	4642315
Perfluorobutanoic acid	ng/L	23	2.0	0.41	4640994	51	2.0	0.41	4642315
Perfluorodecane Sulfonate	ng/L	0.65 J J	2.0	0.38	4640994	0.38 U U	2.0	0.38	4642315
Perfluorodecanoic Acid (PFDA)	ng/L	1.2 J J	2.0	0.24	4640994	0.91 J J	2.0	0.24	4642315
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	4640994	0.63 U U	2.0	0.63	4642315
Perfluoroheptanoic Acid (PFHpA)	ng/L	32	2.0	0.39	4640994	37	2.0	0.39	4642315
Perfluorohexane Sulfonate (PFHxS)	ng/L	170 (1)	20	4.0	4640994	360 (1)	20	4.0	4642315
Perfluorohexanoic Acid (PFHxA)	ng/L	77	2.0	0.42	4640994	90 (1)	20	4.2	4642315
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	39	2.0	0.39	4640994	47	2.0	0.39	4642315
Perfluorononanoic Acid (PFNA)	ng/L	16	2.0	0.33	4640994	10	2.0	0.33	4642315
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	4.0	0.59	4640994	0.59 UQ UJ 10a	4.0	0.59	4642315
Perfluorooctane Sulfonate (PFOS)	ng/L	260 (1)	20	3.0	4640994	640 (1)	20	3.0	4642315
Perfluoropentanoic Acid (PFPeA)	ng/L	66	2.0	0.46	4640994	81	2.0	0.46	4642315
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 10a	2.0	0.61	4640994	0.61 U UJ 10a	2.0	0.61	4642315
Perfluorotridecanoic Acid	ng/L	0.60 U UJ 10a	2.0	0.60	4640994	0.60 U UJ 10a	2.0	0.60	4642315
Perfluoroundecanoic Acid (PFUnA)	ng/L	8.2	2.0	0.50	4640994	0.65 J J	2.0	0.50	4642315
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	113	N/A	N/A	4640994	76	N/A	N/A	4642315
13C4-Perfluorooctanoic acid	%	109	N/A	N/A	4640994	78	N/A	N/A	4642315

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA420			CYA423			
Sampling Date		2016/08/19 13:57			2016/08/19 07:34			
COC Number		na			na			
	UNITS	MCGRE07-AT29-MW301-GW-009	RDL	MDL	MCGRE09-003-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	4.0	0.87	0.87 U U	4.0	0.87	4642817
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	4.0	0.99	0.99 U U	4.0	0.99	4642817
Perfluorobutane Sulfonate (PFBS)	ng/L	1.7 J J	2.0	0.27	0.74 J J	2.0	0.27	4642817
Perfluorobutanoic acid	ng/L	5.8	2.0	0.41	11	2.0	0.41	4642817
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U U	2.0	0.38	4642817
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U U	2.0	0.24	2.4	2.0	0.24	4642817
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	0.63 U U	2.0	0.63	4642817
Perfluoroheptanoic Acid (PFHpA)	ng/L	8.3	2.0	0.39	19	2.0	0.39	4642817
Perfluorohexane Sulfonate (PFHxS)	ng/L	14	2.0	0.40	27	2.0	0.40	4642817
Perfluorohexanoic Acid (PFHxA)	ng/L	7.8	2.0	0.42	12	2.0	0.42	4642817
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	16	2.0	0.39	45	2.0	0.39	4642817
Perfluorononanoic Acid (PFNA)	ng/L	6.6	2.0	0.33	7.7	2.0	0.33	4642817
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	4.0	0.59	0.59 U U	4.0	0.59	4642817
Perfluorooctane Sulfonate (PFOS)	ng/L	37	2.0	0.30	110 (1)	20	3.0	4642817
Perfluoropentanoic Acid (PFPeA)	ng/L	7.2	2.0	0.46	11	2.0	0.46	4642817
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	0.61 U U	2.0	0.61	4642817
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	0.60 U U	2.0	0.60	4642817
Perfluoroundecanoic Acid (PFUnA)	ng/L	1.5 J J	2.0	0.50	0.50 U U	2.0	0.50	4642817
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	90	N/A	N/A	117	N/A	N/A	4642817
13C4-Perfluorooctanoic acid	%	72	N/A	N/A	73	N/A	N/A	4642817

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 #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA437				CYA445			
Sampling Date		2016/08/21 08:50				2016/08/20 09:15			
COC Number		na				na			
	UNITS	LKHRT16-001-GW-020	RDL	MDL	QC Batch	MCGRE10-006-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	40 J (1) J	40	8.7	4642817	0.87 U U	4.0	0.87	4642817
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) U	40	9.9	4642817	0.99 U U	4.0	0.99	4642817
Perfluorobutane Sulfonate (PFBS)	ng/L	210 (1)	20	2.7	4642817	5.0	2.0	0.27	4642817
Perfluorobutanoic acid	ng/L	110 (1)	20	4.1	4642817	25	2.0	0.41	4642817
Perfluorodecane Sulfonate	ng/L	3.8 U (1) U	20	3.8	4642817	0.38 U U	2.0	0.38	4642817
Perfluorodecanoic Acid (PFDA)	ng/L	6.9 J (1) J	20	2.4	4642817	0.24 U U	2.0	0.24	4642817
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) U	20	6.3	4642817	0.63 U U	2.0	0.63	4642817
Perfluoroheptanoic Acid (PFHpA)	ng/L	79 (1)	20	3.9	4642817	20	2.0	0.39	4642817
Perfluorohexane Sulfonate (PFHxS)	ng/L	2400 (2)	800	160	4633041	56	2.0	0.40	4642817
Perfluorohexanoic Acid (PFHxA)	ng/L	290 (1)	20	4.2	4642817	41	2.0	0.42	4642817
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	170 (1)	20	3.9	4642817	24	2.0	0.39	4642817
Perfluorononanoic Acid (PFNA)	ng/L	17 J (1) J	20	3.3	4642817	0.33 U U	2.0	0.33	4642817
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U (1) UJ 10a	40	5.9	4642817	0.59 U U	4.0	0.59	4642817
Perfluorooctane Sulfonate (PFOS)	ng/L	4800 (2)	800	140	4633041	16	2.0	0.30	4642817
Perfluoropentanoic Acid (PFPeA)	ng/L	150 (1)	20	4.6	4642817	45	2.0	0.46	4642817
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) U	20	6.1	4642817	0.61 U U	2.0	0.61	4642817
Perfluorotridecanoic Acid	ng/L	6.0 U (1) U	20	6.0	4642817	0.60 U U	2.0	0.60	4642817
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1) U	20	5.0	4642817	0.50 U U	2.0	0.50	4642817
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	119	N/A	N/A	4633041	90	N/A	N/A	4642817
13C4-Perfluorooctanoic acid	%	78	N/A	N/A	4642817	83	N/A	N/A	4642817

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.

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA448			CYA449			
Sampling Date		2016/08/21 13:20			2016/08/21 15:30			
COC Number		na			na			
	UNITS	FTDIX12-003-SW-001	RDL	MDL	LKHRT17-MWAB-1-GW-064	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	1.3 J J	4.0	0.87	47	4.0	0.87	4642817
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	4.0	0.99	0.99 U U	4.0	0.99	4642817
Perfluorobutane Sulfonate (PFBS)	ng/L	31	2.0	0.27	31	2.0	0.27	4642817
Perfluorobutanoic acid	ng/L	2.0 J J 10a	2.0	0.41	37 J 7a	2.0	0.41	4642817
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U U	2.0	0.38	4642817
Perfluorodecanoic Acid (PFDA)	ng/L	0.65 J J	2.0	0.24	0.24 U UJ 7a	2.0	0.24	4642817
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	0.63 U UJ 7a	2.0	0.63	4642817
Perfluoroheptanoic Acid (PFHpA)	ng/L	8.5	2.0	0.39	42 J 7a	2.0	0.39	4642817
Perfluorohexane Sulfonate (PFHxS)	ng/L	120 (1)	20	4.0	290 (1)	20	4.0	4642817
Perfluorohexanoic Acid (PFHxA)	ng/L	21	2.0	0.42	99 (1)	20	4.2	4642817
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	21	2.0	0.39	130 (1)	20	3.9	4642817
Perfluorononanoic Acid (PFNA)	ng/L	4.3	2.0	0.33	3.2 J 7a	2.0	0.33	4642817
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	4.0	0.59	0.59 U UJ 10a	4.0	0.59	4642817
Perfluorooctane Sulfonate (PFOS)	ng/L	110 (1)	20	0.30	240 (1)	20	3.0	4642817
Perfluoropentanoic Acid (PFPeA)	ng/L	13	2.0	0.46	100 (1)	20	4.6	4642817
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	0.61 U UJ 10a 7a	2.0	0.61	4642817
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	0.60 U UJ 10a 7a	2.0	0.60	4642817
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	2.0	0.50	0.50 U UJ 7a	2.0	0.50	4642817
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	102	N/A	N/A	96	N/A	N/A	4642817
13C4-Perfluorooctanoic acid	%	81	N/A	N/A	69	N/A	N/A	4642817

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 #: B6H9214
Report Date: 2016/09/09

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYA450				CYA452			
Sampling Date		2016/08/21 16:00				2016/08/21 16:50			
COC Number		na				na			
	UNITS	LKHRT17-003-SW-001	RDL	MDL	QC Batch	LKHRT17-EZ-GW-021	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	56	4.0	0.87	4642817	12 J (1) J 10a	40	8.7	4642817
8:2 Fluorotelomer sulfonate	ng/L	0.99 U u	4.0	0.99	4642817	9.9 U (1) u	40	9.9	4642817
Perfluorobutane Sulfonate (PFBS)	ng/L	23	2.0	0.27	4642817	6.5 J (1) J	20	2.7	4642817
Perfluorobutanoic acid	ng/L	21	2.0	0.41	4642817	4.1 U (1) u	20	4.1	4642817
Perfluorodecane Sulfonate	ng/L	0.78 J J	2.0	0.38	4642817	3.8 U (1) u	20	3.8	4642817
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U u	2.0	0.24	4642817	2.4 U (1) u	20	2.4	4642817
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U u	2.0	0.63	4642817	6.3 U (1) u	20	6.3	4642817
Perfluoroheptanoic Acid (PFHpA)	ng/L	39	2.0	0.39	4642817	17 J (1) J	20	3.9	4642817
Perfluorohexane Sulfonate (PFHxS)	ng/L	260 (2)	20	4.0	4642817	290 (1)	20	4.0	4642817
Perfluorohexanoic Acid (PFHxA)	ng/L	82	2.0	0.42	4642817	32 (1)	20	4.2	4642817
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	98	2.0	0.39	4642817	220 (1)	20	3.9	4642817
Perfluorononanoic Acid (PFNA)	ng/L	8.5	2.0	0.33	4642817	3.3 U (1) u	20	3.3	4642817
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.97 J J	4.0	0.59	4642817	41 (1) J 10a	40	5.9	4642817
Perfluorooctane Sulfonate (PFOS)	ng/L	390 (2)	20	3.0	4642817	1000 (3)	800	140	4633041
Perfluoropentanoic Acid (PFPeA)	ng/L	85	2.0	0.46	4642817	16 J (1) J	20	4.6	4642817
Perfluorotetradecanoic Acid	ng/L	0.61 U u	2.0	0.61	4642817	6.1 U (1) u	20	6.1	4642817
Perfluorotridecanoic Acid	ng/L	0.60 U u	2.0	0.60	4642817	6.0 U (1) u	20	6.0	4642817
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U u	2.0	0.50	4642817	5.0 U (1) u	20	5.0	4642817
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	84	N/A	N/A	4642817	114	N/A	N/A	4633041
13C4-Perfluorooctanoic acid	%	78	N/A	N/A	4642817	67	N/A	N/A	4642817

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
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		? CYR670				CYR671			
Sampling Date		2016/08/22 09:20				2016/08/22 09:20			
COC Number		NA				NA			
	UNITS	LKHRT18-004-SD-001	RDL	MDL	QC Batch	LKHRT18-004-SD-901	RDL	MDL	QC Batch
Inorganics									
Moisture	%	86	1.0	0.50	4641287	86	1.0	0.50	4641287
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ug/kg	2.9 J J 17	5.5	1.4	4641079	4.0 J J 17	6.8	1.7	4641077
8:2 Fluorotelomer sulfonate	ug/kg	6.7 J 17, 10a	5.5	1.2	4641079	14 J 17, 10a	6.8	1.4	4641077
Perfluorobutane Sulfonate (PFBS)	ug/kg	1.8 J J	5.5	1.4	4641079	1.7 U U	6.8	1.7	4641077
Perfluorobutanoic acid	ug/kg	6.5	5.5	1.3	4641079	1.6 U U	6.8	1.6	4641077
Perfluorodecane Sulfonate	ug/kg	4.9 J J 17	5.5	1.1	4641079	6.9 J 17	6.8	1.4	4641077
Perfluorodecanoic Acid (PFDA)	ug/kg	2.1 J J	5.5	1.5	4641079	2.1 J J	6.8	1.9	4641077
Perfluorododecanoic Acid (PFDoA)	ug/kg	1.3 U U	5.5	1.3	4641079	1.6 U U	6.8	1.6	4641077
Perfluoroheptanoic Acid (PFHpA)	ug/kg	7.1 J 17	5.5	0.99	4641079	4.0 J J 17	6.8	1.2	4641077
Perfluorohexane Sulfonate (PFHxS)	ug/kg	53 J 17	5.5	1.0	4641079	21 J 17	6.8	1.3	4641077
Perfluorohexanoic Acid (PFHxA)	ug/kg	8.3	5.5	1.2	4641079	1.4 U U	6.8	1.4	4641077
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	21 J 17	5.5	0.66	4641079	6.9 J 17	6.8	0.82	4641077
Perfluorononanoic Acid (PFNA)	ug/kg	5.1 J J 17	5.5	0.77	4641079	2.5 J J 17	6.8	0.95	4641077
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	26 J 7a	5.5	0.94	4641079	34 J 7a	6.8	1.2	4641077
Perfluorooctane Sulfonate (PFOS)	ug/kg	750 (1) J 17	55	8.8	4641079	500 (1) J 17	68	11	4641077
Perfluoropentanoic Acid (PFPeA)	ug/kg	11	5.5	1.2	4641079	1.4 U U	6.8	1.4	4641077
Perfluorotetradecanoic Acid	ug/kg	1.4 J J 10a	5.5	1.2	4641079	1.5 U U	6.8	1.5	4641077
Perfluorotridecanoic Acid	ug/kg	1.4 U UJ 10a	5.5	1.4	4641079	1.7 U U	6.8	1.7	4641077
Perfluoroundecanoic Acid (PFUnA)	ug/kg	1.9 J J	5.5	1.4	4641079	2.5 J J	6.8	1.8	4641077
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	105	N/A	N/A	4641079	100	N/A	N/A	4641077
13C4-Perfluorooctanoic acid	%	71	N/A	N/A	4641079	88	N/A	N/A	4641077
13C8-Perfluorooctanesulfonamide	%	53	N/A	N/A	4641079	68	N/A	N/A	4641077

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR684			CYR685			
Sampling Date		2016/08/23 10:15			2016/08/23 10:40			
COC Number		NA			NA			
	UNITS	LKHRT19-003-SS-001	RDL	MDL	LKHRT19-003-S0-003	RDL	MDL	QC Batch
Inorganics								
Moisture	%	4.4	1.0	0.50	8.8	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.24 U U	0.96	0.24	0.22 U U	0.87	0.22	4641077
8:2 Fluorotelomer sulfonate	ug/kg	0.20 U	0.96	0.20	0.18 U	0.87	0.18	4641077
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.24 U	0.96	0.24	0.22 U	0.87	0.22	4641077
Perfluorobutanoic acid	ug/kg	0.22 U	0.96	0.22	0.20 U	0.87	0.20	4641077
Perfluorodecane Sulfonate	ug/kg	0.19 U	0.96	0.19	0.17 U	0.87	0.17	4641077
Perfluorodecanoic Acid (PFDA)	ug/kg	0.28 J J	0.96	0.27	0.24 U	0.87	0.24	4641077
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.23 U U	0.96	0.23	0.21 U	0.87	0.21	4641077
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.17 U	0.96	0.17	0.16 U	0.87	0.16	4641077
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.18 U	0.96	0.18	0.20 J J	0.87	0.17	4641077
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.20 U	0.96	0.20	0.18 U U	0.87	0.18	4641077
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.12 U	0.96	0.12	0.10 U	0.87	0.10	4641077
Perfluorononanoic Acid (PFNA)	ug/kg	0.13 U	0.96	0.13	0.12 U	0.87	0.12	4641077
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.16 U	0.96	0.16	0.15 U	0.87	0.15	4641077
Perfluorooctane Sulfonate (PFOS)	ug/kg	0.88 J J	0.96	0.15	1.4	0.87	0.14	4641077
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.20 U U	0.96	0.20	0.18 U U	0.87	0.18	4641077
Perfluorotetradecanoic Acid	ug/kg	0.21 U	0.96	0.21	0.19 U	0.87	0.19	4641077
Perfluorotridecanoic Acid	ug/kg	0.24 U	0.96	0.24	0.22 U	0.87	0.22	4641077
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.25 U	0.96	0.25	0.23 U	0.87	0.23	4641077
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	99	N/A	N/A	90	N/A	N/A	4641077
13C4-Perfluorooctanoic acid	%	92	N/A	N/A	87	N/A	N/A	4641077
13C8-Perfluorooctanesulfonamide	%	79	N/A	N/A	84	N/A	N/A	4641077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR686			CYR687			
Sampling Date		2016/08/23 11:57			2016/08/23 12:50			
COC Number		NA			NA			
	UNITS	LKHRT19-001-SS-001	RDL	MDL	LKHRT19-001-S0-009	RDL	MDL	QC Batch
Inorganics								
Moisture	%	3.7	1.0	0.50	7.7	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.23 U U	0.91	0.23	0.25 U U	1.0	0.25	4641077
8:2 Fluorotelomer sulfonate	ug/kg	0.19 U U	0.91	0.19	0.21 U	1.0	0.21	4641077
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.23 U U	0.91	0.23	0.25 U	1.0	0.25	4641077
Perfluorobutanoic acid	ug/kg	0.21 U U	0.91	0.21	0.23 U	1.0	0.23	4641077
Perfluorodecane Sulfonate	ug/kg	0.47 J J	0.91	0.18	0.20 U	1.0	0.20	4641077
Perfluorodecanoic Acid (PFDA)	ug/kg	0.25 U U	0.91	0.25	0.28 U	1.0	0.28	4641077
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.22 U U	0.91	0.22	0.24 U	1.0	0.24	4641077
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.27 J J	0.91	0.16	0.18 U	1.0	0.18	4641077
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.34 J J	0.91	0.17	0.44 J J	1.0	0.19	4641077
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.19 U U	0.91	0.19	0.21 U U	1.0	0.21	4641077
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.11 U U	0.91	0.11	0.12 U	1.0	0.12	4641077
Perfluorononanoic Acid (PFNA)	ug/kg	0.13 U U	0.91	0.13	0.14 U	1.0	0.14	4641077
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.15 U U	0.91	0.15	0.17 U	1.0	0.17	4641077
Perfluorooctane Sulfonate (PFOS)	ug/kg	1.6	0.91	0.15	2.2	1.0	0.16	4641077
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.19 U U	0.91	0.19	0.21 U U	1.0	0.21	4641077
Perfluorotetradecanoic Acid	ug/kg	0.20 U U	0.91	0.20	0.22 U	1.0	0.22	4641077
Perfluorotridecanoic Acid	ug/kg	0.23 U U	0.91	0.23	0.25 U	1.0	0.25	4641077
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24 U U	0.91	0.24	0.26 U	1.0	0.26	4641077
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	90	N/A	N/A	99	N/A	N/A	4641077
13C4-Perfluorooctanoic acid	%	94	N/A	N/A	95	N/A	N/A	4641077
13C8-Perfluorooctanesulfonamide	%	76	N/A	N/A	76	N/A	N/A	4641077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR688			CYR689			
Sampling Date		2016/08/23 13:33			2016/08/23 13:40			
COC Number		NA			NA			
	UNITS	LKHRT19-002-SS-001	RDL	MDL	LKHRT19-002-S0-003	RDL	MDL	QC Batch
Inorganics								
Moisture	%	2.6	1.0	0.50	4.2	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.23 U U	0.92	0.23	0.22 U U	0.87	0.22	4641077
8:2 Fluorotelomer sulfonate	ug/kg	0.19 U	0.92	0.19	0.18 U	0.87	0.18	4641077
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.23 U	0.92	0.23	0.22 U	0.87	0.22	4641077
Perfluorobutanoic acid	ug/kg	0.21 U	0.92	0.21	0.20 U	0.87	0.20	4641077
Perfluorodecane Sulfonate	ug/kg	0.18 U	0.92	0.18	0.17 U	0.87	0.17	4641077
Perfluorodecanoic Acid (PFDA)	ug/kg	0.26 U	0.92	0.26	0.24 U	0.87	0.24	4641077
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.22 U	0.92	0.22	0.21 U	0.87	0.21	4641077
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.17 U	0.92	0.17	0.16 U	0.87	0.16	4641077
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.17 U	0.92	0.17	0.17 U	0.87	0.17	4641077
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.19 U	0.92	0.19	0.18 U	0.87	0.18	4641077
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.11 U	0.92	0.11	0.10 U	0.87	0.10	4641077
Perfluorononanoic Acid (PFNA)	ug/kg	0.13 U	0.92	0.13	0.12 U	0.87	0.12	4641077
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.16 U	0.92	0.16	0.15 U	0.87	0.15	4641077
Perfluorooctane Sulfonate (PFOS)	ug/kg	0.52 J J	0.92	0.15	1.9	0.87	0.14	4641077
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.19 U U	0.92	0.19	0.18 U U	0.87	0.18	4641077
Perfluorotetradecanoic Acid	ug/kg	0.20 U	0.92	0.20	0.19 U	0.87	0.19	4641077
Perfluorotridecanoic Acid	ug/kg	0.23 U	0.92	0.23	0.22 U	0.87	0.22	4641077
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24 U	0.92	0.24	0.23 U	0.87	0.23	4641077
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	100	N/A	N/A	103	N/A	N/A	4641077
13C4-Perfluorooctanoic acid	%	90	N/A	N/A	97	N/A	N/A	4641077
13C8-Perfluorooctanesulfonamide	%	84	N/A	N/A	84	N/A	N/A	4641077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR690			CYR692			
Sampling Date		2016/08/23 16:56			2016/08/24 07:30			
COC Number		NA			NA			
	UNITS	MCGRE10-005-S0-010	RDL	MDL	MCGRE09-001-S0-005	RDL	MDL	QC Batch
Inorganics								
Moisture	%	23	1.0	0.50	14	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.30 U U	1.2	0.30	0.28 U U	1.1	0.28	4641077
8:2 Fluorotelomer sulfonate	ug/kg	0.25 U	1.2	0.25	0.23 U	1.1	0.23	4641077
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.30 U	1.2	0.30	0.28 U	1.1	0.28	4641077
Perfluorobutanoic acid	ug/kg	0.28 U	1.2	0.28	0.25 U	1.1	0.25	4641077
Perfluorodecane Sulfonate	ug/kg	0.24 U	1.2	0.24	0.22 U	1.1	0.22	4641077
Perfluorodecanoic Acid (PFDA)	ug/kg	0.34 U	1.2	0.34	0.31 U	1.1	0.31	4641077
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.29 U	1.2	0.29	0.26 U	1.1	0.26	4641077
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.42 J J	1.2	0.22	0.20 U	1.1	0.20	4641077
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.46 J J	1.2	0.23	0.21 U	1.1	0.21	4641077
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.25 U U	1.2	0.25	0.23 U	1.1	0.23	4641077
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.19 J J	1.2	0.14	0.13 U	1.1	0.13	4641077
Perfluorononanoic Acid (PFNA)	ug/kg	0.17 U U	1.2	0.17	0.15 U	1.1	0.15	4641077
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.20 U U	1.2	0.20	0.19 U	1.1	0.19	4641077
Perfluorooctane Sulfonate (PFOS)	ug/kg	0.89 J J	1.2	0.19	0.63 J J	1.1	0.18	4641077
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.25 U U	1.2	0.25	0.23 U U	1.1	0.23	4641077
Perfluorotetradecanoic Acid	ug/kg	0.26 U	1.2	0.26	0.24 U	1.1	0.24	4641077
Perfluorotridecanoic Acid	ug/kg	0.30 U	1.2	0.30	0.28 U	1.1	0.28	4641077
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.31 U	1.2	0.31	0.29 U	1.1	0.29	4641077
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	94	N/A	N/A	81	N/A	N/A	4641077
13C4-Perfluorooctanoic acid	%	101	N/A	N/A	91	N/A	N/A	4641077
13C8-Perfluorooctanesulfonamide	%	83	N/A	N/A	76	N/A	N/A	4641077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR694			CYR695			
Sampling Date		2016/08/24 09:05			2016/08/24 09:25			
COC Number		NA			NA			
	UNITS	MCGRE01-003-SS-001	RDL	MDL	MCGRE01-003-SO-010	RDL	MDL	QC Batch
Inorganics								
Moisture	%	3.4	1.0	0.50	11	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.22 U u	0.89	0.22	0.25 U u	1.0	0.25	4644460
8:2 Fluorotelomer sulfonate	ug/kg	0.19 U	0.89	0.19	0.21 U	1.0	0.21	4644460
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.22 U	0.89	0.22	0.25 U	1.0	0.25	4644460
Perfluorobutanoic acid	ug/kg	0.20 U	0.89	0.20	0.23 U	1.0	0.23	4644460
Perfluorodecane Sulfonate	ug/kg	0.18 U	0.89	0.18	0.20 U	1.0	0.20	4644460
Perfluorodecanoic Acid (PFDA)	ug/kg	0.25 U	0.89	0.25	0.28 U	1.0	0.28	4644460
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.21 U	0.89	0.21	0.24 U	1.0	0.24	4644460
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.16 U	0.89	0.16	0.18 U	1.0	0.18	4644460
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.17 U	0.89	0.17	0.19 U	1.0	0.19	4644460
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.19 U	0.89	0.19	0.21 U	1.0	0.21	4644460
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.38 J J	0.89	0.11	0.12 U	1.0	0.12	4644460
Perfluorononanoic Acid (PFNA)	ug/kg	0.12 U u	0.89	0.12	0.14 U	1.0	0.14	4644460
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.15 U u	0.89	0.15	0.17 U	1.0	0.17	4644460
Perfluorooctane Sulfonate (PFOS)	ug/kg	1.9	0.89	0.14	0.16 U	1.0	0.16	4644460
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.19 U u	0.89	0.19	0.21 U	1.0	0.21	4644460
Perfluorotetradecanoic Acid	ug/kg	0.20 U	0.89	0.20	0.22 U	1.0	0.22	4644460
Perfluorotridecanoic Acid	ug/kg	0.22 U	0.89	0.22	0.25 U	1.0	0.25	4644460
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23 U	0.89	0.23	0.26 U	1.0	0.26	4644460
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	81	N/A	N/A	91	N/A	N/A	4644460
13C4-Perfluorooctanoic acid	%	85	N/A	N/A	92	N/A	N/A	4644460
13C8-Perfluorooctanesulfonamide	%	88	N/A	N/A	89	N/A	N/A	4644460

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR696	CYR697	CYR697			
Sampling Date		2016/08/24 10:07	2016/08/24 10:35	2016/08/24 10:35			
COC Number		NA	NA	NA			
	UNITS	MCGRE01-004-SS-001	MCGRE01-004-S0-009	MCGRE01-004-S0-009 Lab-Dup	RDL	MDL	QC Batch
Inorganics							
Moisture	%	1.3	8.6	9.6	1.0	0.50	4641287
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ug/kg	0.24 U u	0.24 U u	N/A	0.94	0.24	4644460
8:2 Fluorotelomer sulfonate	ug/kg	0.20 U	0.20 U	N/A	0.94	0.20	4644460
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.24 U	0.24 U	N/A	0.94	0.24	4644460
Perfluorobutanoic acid	ug/kg	0.22 U	0.22 U	N/A	0.94	0.22	4644460
Perfluorodecane Sulfonate	ug/kg	0.19 U	0.19 U	N/A	0.94	0.19	4644460
Perfluorodecanoic Acid (PFDA)	ug/kg	0.26 U	0.26 U	N/A	0.94	0.26	4644460
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.23 U	0.23 U	N/A	0.94	0.23	4644460
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.17 U	0.17 U	N/A	0.94	0.17	4644460
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.18 U	0.18 U	N/A	0.94	0.18	4644460
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.20 U	0.20 U	N/A	0.94	0.20	4644460
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.31 J J	0.12 J J	N/A	0.94	0.11	4644460
Perfluorononanoic Acid (PFNA)	ug/kg	0.13 U u	0.13 U u	N/A	0.94	0.13	4644460
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.16 U u	0.16 U u	N/A	0.94	0.16	4644460
Perfluorooctane Sulfonate (PFOS)	ug/kg	2.9	3.0	N/A	0.94	0.15	4644460
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.20 U u	0.20 U u	N/A	0.94	0.20	4644460
Perfluorotetradecanoic Acid	ug/kg	0.21 U	0.21 U u	N/A	0.94	0.21	4644460
Perfluorotridecanoic Acid	ug/kg	0.24 U	0.24 U u	N/A	0.94	0.24	4644460
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24 U	0.24 U u	N/A	0.94	0.24	4644460
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	87	82	N/A	N/A	N/A	4644460
13C4-Perfluorooctanoic acid	%	89	75	N/A	N/A	N/A	4644460
13C8-Perfluorooctanesulfonamide	%	86	74	N/A	N/A	N/A	4644460

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR698			CYR700			
Sampling Date		2016/08/24 11:30			2016/08/23 11:05			
COC Number		NA			NA			
	UNITS	MCGRE01-005-SS-001	RDL	MDL	LKHRT19-004-SD-001	RDL	MDL	QC Batch
Inorganics								
Moisture	%	4.1	1.0	0.50	16	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.23 U U	0.92	0.23	0.25 U U	1.0	0.25	4644460
8:2 Fluorotelomer sulfonate	ug/kg	0.19 U	0.92	0.19	0.21 U	1.0	0.21	4644460
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.23 U	0.92	0.23	0.25 U	1.0	0.25	4644460
Perfluorobutanoic acid	ug/kg	0.21 U	0.92	0.21	0.23 U	1.0	0.23	4644460
Perfluorodecane Sulfonate	ug/kg	0.18 U	0.92	0.18	0.20 U	1.0	0.20	4644460
Perfluorodecanoic Acid (PFDA)	ug/kg	0.33 J J	0.92	0.26	0.28 U	1.0	0.28	4644460
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.22 U U	0.92	0.22	0.24 U	1.0	0.24	4644460
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.17 U U	0.92	0.17	0.18 U	1.0	0.18	4644460
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.34 J J	0.92	0.17	0.19 U	1.0	0.19	4644460
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.19 U U	0.92	0.19	0.21 U	1.0	0.21	4644460
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.22 J J	0.92	0.11	0.12 U	1.0	0.12	4644460
Perfluorononanoic Acid (PFNA)	ug/kg	0.13 U U	0.92	0.13	0.14 U	1.0	0.14	4644460
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.16 U U	0.92	0.16	0.17 U	1.0	0.17	4644460
Perfluorooctane Sulfonate (PFOS)	ug/kg	2.3	0.92	0.15	0.32 J J	1.0	0.16	4644460
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.19 U U	0.92	0.19	0.21 U U	1.0	0.21	4644460
Perfluorotetradecanoic Acid	ug/kg	0.20 U U	0.92	0.20	0.22 U	1.0	0.22	4644460
Perfluorotridecanoic Acid	ug/kg	0.37 J J	0.92	0.23	0.25 U	1.0	0.25	4644460
Perfluoroundecanoic Acid (PFUnA)	ug/kg	1.3	0.92	0.24	0.26 U	1.0	0.26	4644460
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	88	N/A	N/A	86	N/A	N/A	4644460
13C4-Perfluorooctanoic acid	%	95	N/A	N/A	75	N/A	N/A	4644460
13C8-Perfluorooctanesulfonamide	%	77	N/A	N/A	90	N/A	N/A	4644460

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR709			CYR712			
Sampling Date		2016/08/24 12:45			2016/08/25 08:45			
COC Number		NA			NA			
	UNITS	MCGRE01-014-SD-001	RDL	MDL	FTDIX15-001-S0-003	RDL	MDL	QC Batch
Inorganics								
Moisture	%	23	1.0	0.50	23	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.28 U U	1.1	0.28	0.25 U U	1.0	0.25	4644460
8:2 Fluorotelomer sulfonate	ug/kg	0.23 U	1.1	0.23	0.21 U U	1.0	0.21	4644460
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.28 U	1.1	0.28	0.33 J J	1.0	0.25	4644460
Perfluorobutanoic acid	ug/kg	0.25 U	1.1	0.25	0.23 U U	1.0	0.23	4644460
Perfluorodecane Sulfonate	ug/kg	0.22 U	1.1	0.22	0.20 U	1.0	0.20	4644460
Perfluorodecanoic Acid (PFDA)	ug/kg	0.31 U	1.1	0.31	0.28 U	1.0	0.28	4644460
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.26 U	1.1	0.26	0.24 U	1.0	0.24	4644460
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.20 U	1.1	0.20	0.18 U	1.0	0.18	4644460
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.21 U	1.1	0.21	0.19 U	1.0	0.19	4644460
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.23 U	1.1	0.23	0.21 U	1.0	0.21	4644460
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.13 U	1.1	0.13	0.12 U	1.0	0.12	4644460
Perfluorononanoic Acid (PFNA)	ug/kg	0.15 U	1.1	0.15	0.14 U	1.0	0.14	4644460
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.19 U	1.1	0.19	0.17 U	1.0	0.17	4644460
Perfluorooctane Sulfonate (PFOS)	ug/kg	0.69 J J	1.1	0.18	0.16 U	1.0	0.16	4644460
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.23 U U	1.1	0.23	0.21 U	1.0	0.21	4644460
Perfluorotetradecanoic Acid	ug/kg	0.24 U	1.1	0.24	0.22 U	1.0	0.22	4644460
Perfluorotridecanoic Acid	ug/kg	0.28 U	1.1	0.28	0.25 U	1.0	0.25	4644460
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.29 U	1.1	0.29	0.26 U	1.0	0.26	4644460
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	86	N/A	N/A	95	N/A	N/A	4644460
13C4-Perfluorooctanoic acid	%	91	N/A	N/A	103	N/A	N/A	4644460
13C8-Perfluorooctanesulfonamide	%	82	N/A	N/A	83	N/A	N/A	4644460

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF SOIL

Maxxam ID		CYR713			CYR714			
Sampling Date		2016/08/25 08:45			2016/08/25 08:28			
COC Number		NA			NA			
	UNITS	FTDIX15-001-S0-903	RDL	MDL	FTDIX15-001-SS-001	RDL	MDL	QC Batch
Inorganics								
Moisture	%	14	1.0	0.50	15	1.0	0.50	4641287
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/kg	0.28 U u	1.1	0.28	0.24 U u	0.97	0.24	4644460
8:2 Fluorotelomer sulfonate	ug/kg	0.23 U	1.1	0.23	0.20 U u	0.97	0.20	4644460
Perfluorobutane Sulfonate (PFBS)	ug/kg	0.28 U	1.1	0.28	0.42 J J	0.97	0.24	4644460
Perfluorobutanoic acid	ug/kg	0.25 U	1.1	0.25	0.34 J J	0.97	0.22	4644460
Perfluorodecane Sulfonate	ug/kg	0.22 U	1.1	0.22	0.19 U u	0.97	0.19	4644460
Perfluorodecanoic Acid (PFDA)	ug/kg	0.31 U	1.1	0.31	0.27 U u	0.97	0.27	4644460
Perfluorododecanoic Acid (PFDoA)	ug/kg	0.26 U	1.1	0.26	0.23 U u	0.97	0.23	4644460
Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.20 U	1.1	0.20	0.53 J J	0.97	0.17	4644460
Perfluorohexane Sulfonate (PFHxS)	ug/kg	0.21 U	1.1	0.21	2.6	0.97	0.18	4644460
Perfluorohexanoic Acid (PFHxA)	ug/kg	0.23 U	1.1	0.23	0.79 J J	0.97	0.20	4644460
Perfluoro-n-Octanoic Acid (PFOA)	ug/kg	0.13 U	1.1	0.13	0.65 J J	0.97	0.12	4644460
Perfluorononanoic Acid (PFNA)	ug/kg	0.15 U	1.1	0.15	0.14 U u	0.97	0.14	4644460
Perfluorooctane Sulfonamide (PFOSA)	ug/kg	0.19 U	1.1	0.19	0.16 U u	0.97	0.16	4644460
Perfluorooctane Sulfonate (PFOS)	ug/kg	0.18 U	1.1	0.18	0.95 J J	0.97	0.16	4644460
Perfluoropentanoic Acid (PFPeA)	ug/kg	0.23 U	1.1	0.23	0.22 J J	0.97	0.20	4644460
Perfluorotetradecanoic Acid	ug/kg	0.24 U	1.1	0.24	0.21 U u	0.97	0.21	4644460
Perfluorotridecanoic Acid	ug/kg	0.28 U	1.1	0.28	0.24 U u	0.97	0.24	4644460
Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.29 U	1.1	0.29	0.25 U u	0.97	0.25	4644460
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	80	N/A	N/A	89	N/A	N/A	4644460
13C4-Perfluorooctanoic acid	%	103	N/A	N/A	97	N/A	N/A	4644460
13C8-Perfluorooctanesulfonamide	%	86	N/A	N/A	70	N/A	N/A	4644460

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR669				CYR672			
Sampling Date		2016/08/22 08:00				2016/08/22 09:20			
COC Number		NA				NA			
	UNITS	LKHRT-SB-01	RDL	MDL	QC Batch	LKHRT18-004-SW-001	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	0.87 U	4.0	0.87	4642817	80 J 10a	4.0	0.87	4642817
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	4642817	140 (1)	40	9.9	4642817
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	4642817	22	2.0	0.27	4642817
Perfluorobutanoic acid	ng/L	17	2.0	0.41	4642817	24 J 7a	2.0	0.41	4642817
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	4642817	2.1	2.0	0.38	4642817
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U	2.0	0.24	4642817	2.1 J 7a	2.0	0.24	4642817
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U	2.0	0.63	4642817	0.63 U UJ 7a	2.0	0.63	4642817
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U	2.0	0.39	4642817	41 J 7a	2.0	0.39	4642817
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.75 J	2.0	0.40	4642817	280 (1)	20	4.0	4642817
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	4642817	76 J 7a	2.0	0.42	4642817
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.39 U	2.0	0.39	4642817	110 (1)	20	3.9	4642817
Perfluorononanoic Acid (PFNA)	ng/L	0.33 U	2.0	0.33	4642817	9.8 J 7a	2.0	0.33	4642817
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U ~~UJ 10a~~	4.0	0.59	4642817	16 J 10a	4.0	0.59	4642817
Perfluorooctane Sulfonate (PFOS)	ng/L	3.3 JK	2.0	0.30	4642817	1000 (2)	800	60	4639711
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U	2.0	0.46	4642817	53 J 7a	2.0	0.46	4642817
Perfluorotetradecanoic Acid	ng/L	0.61 U ~~UJ 10a~~	2.0	0.61	4642817	0.61 U UJ 7a	2.0	0.61	4642817
Perfluorotridecanoic Acid	ng/L	0.60 U ~~UJ 10a~~	2.0	0.60	4642817	0.60 U	2.0	0.60	4642817
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U	2.0	0.50	4642817	0.50 U	2.0	0.50	4642817
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	86	N/A	N/A	4642817	107	N/A	N/A	4639711
13C4-Perfluorooctanoic acid	%	64	N/A	N/A	4642817	51	N/A	N/A	4642817

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR673				CYR674			
Sampling Date		2016/08/22 09:20				2016/08/22 10:30			
COC Number		NA				NA			
	UNITS	LKHRT18-004-SW-901	RDL	MDL	QC Batch	LKHRT18-BK-GW-018	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	87 J 10a	4.0	0.87	4642817	81 (1)	80	17	4646672
8:2 Fluorotelomer sulfonate	ng/L	130 (2)	40	9.9	4642817	210 (1)	80	20	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	18	2.0	0.27	4642817	49 (1)	40	5.4	4646672
Perfluorobutanoic acid	ng/L	22 J 7a	2.0	0.41	4642817	840 (1)	40	8.2	4646672
Perfluorodecane Sulfonate	ng/L	2.2	2.0	0.38	4642817	8.4 J (1) J	40	7.6	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	2.3 J 7a	2.0	0.24	4642817	13 J (1) J	40	4.8	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U UJ 7a	2.0	0.63	4642817	13 U (1) U	40	13	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	43 J 7a	2.0	0.39	4642817	1300 (3)	800	270	4639712
Perfluorohexane Sulfonate (PFHxS)	ng/L	320 (2)	20	4.0	4642817	6700 (3)	800	160	4639712
Perfluorohexanoic Acid (PFHxA)	ng/L	73 J 7a	2.0	0.42	4642817	2100 (3)	800	170	4639712
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	130 (2) J 10a	20	3.9	4642817	5100 (3)	800	200	4639712
Perfluorononanoic Acid (PFNA)	ng/L	10 J 7a	2.0	0.33	4642817	130 (1)	40	6.6	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	15 J 10a	4.0	0.59	4642817	910 (3)	800	230	4639712
Perfluorooctane Sulfonate (PFOS)	ng/L	1200 (3)	800	140	4639711	13000 (3)	800	140	4639712
Perfluoropentanoic Acid (PFPeA)	ng/L	52 J 7a	2.0	0.46	4642817	510 (1)	40	9.2	4646672
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 7a	2.0	0.61	4642817	12 U (1) U	40	12	4646672
Perfluorotridecanoic Acid	ng/L	0.60 U	2.0	0.60	4642817	12 U (1) U	40	12	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U	2.0	0.50	4642817	10 U (1) U	40	10	4646672
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	98	N/A	N/A	4639711	99	N/A	N/A	4639712
13C4-Perfluorooctanoic acid	%	42 Q (4)	N/A	N/A	4642817	93	N/A	N/A	4639712

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 concentration of the target analyte, 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 #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR675	CYR676				CYR677			
Sampling Date		2016/08/22 10:30	2016/08/22 12:20				2016/08/22 12:50			
COC Number		NA	NA				NA			
	UNITS	LKHRT18-BK-GW-918	LKHRT18-MV-GW-030	RDL	MDL	QC Batch	LKHRT-RS-01	RDL	MDL	QC Batch
Miscellaneous Parameters										
6:2 Fluorotelomer sulfonate	ng/L	64 J (1) J	320 (1)	80	17	4646672	0.87 U	4.0	0.87	4646672
8:2 Fluorotelomer sulfonate	ng/L	200 (1)	320 (1)	80	20	4646672	0.99 U	4.0	0.99	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	49 (1)	39 J (1) J	40	5.4	4646672	0.27 U	2.0	0.27	4646672
Perfluorobutanoic acid	ng/L	800 (1)	1400 (1)	40	8.2	4646672	0.41 U	2.0	0.41	4646672
Perfluorodecane Sulfonate	ng/L	9.2 J (1) J	9.7 J (1) J	40	7.6	4646672	0.38 U	2.0	0.38	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	15 J (1) J	4.8 U (1) U	40	4.8	4646672	0.24 U	2.0	0.24	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	13 U (1) U	13 U (1) U	40	13	4646672	0.63 U	2.0	0.63	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	1000 (2)	850 (2)	800	270	4639711	0.39 U	2.0	0.39	4646672
Perfluorohexane Sulfonate (PFHxS)	ng/L	5800 (2)	5800 (2)	800	160	4639711	0.40 U	2.0	0.40	4646672
Perfluorohexanoic Acid (PFHxA)	ng/L	2000 (2)	1500 (2)	800	170	4639711	0.42 U	2.0	0.42	4646672
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	3800 (2)	3900 (2)	800	200	4639711	0.39 U	2.0	0.39	4646672
Perfluorononanoic Acid (PFNA)	ng/L	130 (1)	80 (1)	40	6.6	4646672	0.33 U	2.0	0.33	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	1100 (2)	5600 (2)	800	230	4639711	0.59 U	4.0	0.59	4646672
Perfluorooctane Sulfonate (PFOS)	ng/L	12000 (2)	10000 (2)	800	140	4639711	0.30 U	2.0	0.30	4646672
Perfluoropentanoic Acid (PFPeA)	ng/L	580 (1)	550 (1)	40	9.2	4646672	0.46 U	2.0	0.46	4646672
Perfluorotetradecanoic Acid	ng/L	12 U (1) U	12 U (1) U	40	12	4646672	0.61 U	2.0	0.61	4646672
Perfluorotridecanoic Acid	ng/L	12 U (1) U	12 U (1) U	40	12	4646672	0.60 U	2.0	0.60	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	10 U (1) U	10 U (1) U	40	10	4646672	0.50 U	2.0	0.50	4646672
Surrogate Recovery (%)										
13C4-Perfluorooctanesulfonate	%	113	100	N/A	N/A	4639711	83	N/A	N/A	4646672
13C4-Perfluorooctanoic acid	%	79	82	N/A	N/A	4646672	86	N/A	N/A	4646672

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 #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR678				CYR679			
Sampling Date		2016/08/22 13:15				2016/08/22 14:20			
COC Number		NA				NA			
	UNITS	LKHRT18-BJ-GW-018	RDL	MDL	QC Batch	LKHRT18-FQ-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	34 J (1) J 10a	40	8.7	4646672	550 (2) J 10a	80	17	4646672
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) U	40	9.9	4646672	780 (2) J 10a	80	20	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	7.2 J (1) J	20	2.7	4646672	88 (2)	40	5.4	4646672
Perfluorobutanoic acid	ng/L	1900 (1)	20	4.1	4646672	260 (2)	40	8.2	4646672
Perfluorodecane Sulfonate	ng/L	3.8 U (1) U	20	3.8	4646672	11 J (2) J	40	7.6	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U (1) U	20	2.4	4646672	24 J (2) J	40	4.8	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) U	20	6.3	4646672	13 U (2) U	40	13	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	110 (1)	20	3.9	4646672	910 (3)	800	270	4639711
Perfluorohexane Sulfonate (PFHxS)	ng/L	640 (1)	20	4.0	4646672	3800 (3)	800	160	4639711
Perfluorohexanoic Acid (PFHxA)	ng/L	220 (1)	20	4.2	4646672	1300 (3)	800	170	4639711
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	1400 (3)	800	200	4639711	2600 (3)	800	200	4639711
Perfluorononanoic Acid (PFNA)	ng/L	13 J (1) J	20	3.3	4646672	120 (2)	40	6.6	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	290 (1)	40	5.9	4646672	340 (2)	80	12	4646672
Perfluorooctane Sulfonate (PFOS)	ng/L	4000 (3)	800	140	4639711	13000 (3)	800	140	4639711
Perfluoropentanoic Acid (PFPeA)	ng/L	56 (1)	20	4.6	4646672	880 (3)	800	210	4639711
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) U	20	6.1	4646672	12 U (2) U	40	12	4646672
Perfluorotridecanoic Acid	ng/L	6.0 U (1) U	20	6.0	4646672	12 U (2) U	40	12	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1) U	20	5.0	4646672	10 U (2) U	40	10	4646672
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	102	N/A	N/A	4639711	86	N/A	N/A	4639711
13C4-Perfluorooctanoic acid	%	98	N/A	N/A	4639711	N/A	N/A	N/A	N/A

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 20x 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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR680	CYR681			CYR682			
Sampling Date		2016/08/22 15:50	2016/08/22 16:20			2016/08/23 10:27			
COC Number		NA	NA			NA			
	UNITS	LKHRT17-JY-GW-042	LKHRT17-JX-GW-008	RDL	MDL	LKHRT19-GY-GW-018	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	4.2	2.2 J J 10a	4.0	0.87	2.3 J J	4.0	0.87	4646672
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	0.99 U U	4.0	0.99	0.99 U U	4.0	0.99	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	15	28	2.0	0.27	1.0 J J	2.0	0.27	4646672
Perfluorobutanoic acid	ng/L	22	16 J 7a, 10a	2.0	0.41	5.1	2.0	0.41	4646672
Perfluorodecane Sulfonate	ng/L	0.38 U U	0.73 J J	2.0	0.38	0.38 U U	2.0	0.38	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U U	4.7 J 7a	2.0	0.24	0.24 U U	2.0	0.24	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	0.63 U UJ 7a	2.0	0.63	0.63 U U	2.0	0.63	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	20	18 J 7a	2.0	0.39	2.4	2.0	0.39	4646672
Perfluorohexane Sulfonate (PFHxS)	ng/L	140 (1)	300 (1)	20	4.0	16	2.0	0.40	4646672
Perfluorohexanoic Acid (PFHxA)	ng/L	49	45 J 7a	2.0	0.42	5.2	2.0	0.42	4646672
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	58	50 J 7a	2.0	0.39	8.3	2.0	0.39	4646672
Perfluorononanoic Acid (PFNA)	ng/L	1.5 J J	9.7 J 7a	2.0	0.33	0.67 J J	2.0	0.33	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U UJ 10a	0.59 U UJ 10a	4.0	0.59	0.59 U UJ 10a	4.0	0.59	4646672
Perfluorooctane Sulfonate (PFOS)	ng/L	110 (1)	310 (1)	20	3.0	50	2.0	0.30	4646672
Perfluoropentanoic Acid (PFPeA)	ng/L	52	19 J 7a	2.0	0.46	3.7	2.0	0.46	4646672
Perfluorotetradecanoic Acid	ng/L	0.61 U U	0.61 U UJ 7a, 10a	2.0	0.61	0.61 U U	2.0	0.61	4646672
Perfluorotridecanoic Acid	ng/L	0.60 U U	0.60 U UJ 7a, 10a	2.0	0.60	0.60 U U	2.0	0.60	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	0.54 J J 7a	2.0	0.50	0.50 U U	2.0	0.50	4646672
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	85	82	N/A	N/A	79	N/A	N/A	4646672
13C4-Perfluorooctanoic acid	%	68	62	N/A	N/A	76	N/A	N/A	4646672

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR683			CYR691			
Sampling Date		2016/08/23 11:00			2016/08/23 17:20			
COC Number		NA			NA			
	UNITS	LKHRT-RS-02	RDL	MDL	MCGRE10-005-GW-020	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	0.87 U	4.0	0.87	3.4 J (1) J	5.0	1.1	4646672
8:2 Fluorotelomer sulfonate	ng/L	0.99 U	4.0	0.99	1.2 U (1) U	5.0	1.2	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	0.27 U	2.0	0.27	13 (1)	2.5	0.34	4646672
Perfluorobutanoic acid	ng/L	0.41 U	2.0	0.41	28 (1) J 7a	2.5	0.51	4646672
Perfluorodecane Sulfonate	ng/L	0.38 U	2.0	0.38	0.48 U (1) U	2.5	0.48	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U	2.0	0.24	0.30 U (1) UJ 7a	2.5	0.30	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U	2.0	0.63	0.79 U (1) UJ 7a	2.5	0.79	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	0.39 U	2.0	0.39	11 (1) J 7a	2.5	0.49	4646672
Perfluorohexane Sulfonate (PFHxS)	ng/L	0.40 U	2.0	0.40	34 (1)	2.5	0.50	4646672
Perfluorohexanoic Acid (PFHxA)	ng/L	0.42 U	2.0	0.42	54 (1) J 7a	2.5	0.53	4646672
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	0.39 U	2.0	0.39	3.5 (1) J 7a	2.5	0.49	4646672
Perfluorononanoic Acid (PFNA)	ng/L	0.34 J	2.0	0.33	0.41 U (1) UJ 7a	2.5	0.41	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U UJ 7a	4.0	0.59	0.74 U (1) U	5.0	0.74	4646672
Perfluorooctane Sulfonate (PFOS)	ng/L	0.30 U J7a	2.0	0.30	11 (1)	2.5	0.38	4646672
Perfluoropentanoic Acid (PFPeA)	ng/L	0.46 U	2.0	0.46	30 (1) J 7a	2.5	0.58	4646672
Perfluorotetradecanoic Acid	ng/L	0.61 U	2.0	0.61	0.76 U (1) UJ 7a	2.5	0.76	4646672
Perfluorotridecanoic Acid	ng/L	0.60 U	2.0	0.60	0.75 U (1) 10a	2.5	0.75	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U	2.0	0.50	0.63 U (1) 10a	2.5	0.63	4646672
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	65	N/A	N/A	74	N/A	N/A	4646672
13C4-Perfluorooctanoic acid	%	67	N/A	N/A	64	N/A	N/A	4646672

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to limited amount of sample available for analysis, a smaller than usual portion of sample was used. Detection limit was adjusted accordingly.

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR693			CYR699			
Sampling Date		2016/08/24 08:00			2016/08/23 11:05			
COC Number		NA			NA			
	UNITS	MCGRE09-001-GW-010	RDL	MDL	LKHRT19-004-SW-001	RDL	MDL	QC Batch
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ng/L	2.6 J J	4.0	0.87	2.0 J J	4.0	0.87	4646672
8:2 Fluorotelomer sulfonate	ng/L	2.3 J J	4.0	0.99	0.99 U U	4.0	0.99	4646672
Perfluorobutane Sulfonate (PFBS)	ng/L	1.3 J J	2.0	0.27	1.0 J J	2.0	0.27	4646672
Perfluorobutanoic acid	ng/L	9.2	2.0	0.41	4.7	2.0	0.41	4646672
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	0.38 U U	2.0	0.38	4646672
Perfluorodecanoic Acid (PFDA)	ng/L	1.3 J J	2.0	0.24	0.24 U U	2.0	0.24	4646672
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	0.63 U U	2.0	0.63	4646672
Perfluoroheptanoic Acid (PFHpA)	ng/L	10	2.0	0.39	3.7	2.0	0.39	4646672
Perfluorohexane Sulfonate (PFHxS)	ng/L	28	2.0	0.40	11	2.0	0.40	4646672
Perfluorohexanoic Acid (PFHxA)	ng/L	15	2.0	0.42	4.9	2.0	0.42	4646672
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	28	2.0	0.39	9.2	2.0	0.39	4646672
Perfluorononanoic Acid (PFNA)	ng/L	5.0	2.0	0.33	1.6 J J	2.0	0.33	4646672
Perfluorooctane Sulfonamide (PFOSA)	ng/L	1.1 J J 10a	4.0	0.59	0.59 U UJ 10a	4.0	0.59	4646672
Perfluorooctane Sulfonate (PFOS)	ng/L	240 (1)	20	3.0	20	2.0	0.30	4646672
Perfluoropentanoic Acid (PFPeA)	ng/L	12	2.0	0.46	3.9	2.0	0.46	4646672
Perfluorotetradecanoic Acid	ng/L	0.61 U UJ 10a	2.0	0.61	0.61 U U	2.0	0.61	4646672
Perfluorotridecanoic Acid	ng/L	0.60 U UJ 10a	2.0	0.60	0.60 U U	2.0	0.60	4646672
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	2.0	0.50	0.50 U U	2.0	0.50	4646672
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	72	N/A	N/A	79	N/A	N/A	4646672
13C4-Perfluorooctanoic acid	%	74	N/A	N/A	80	N/A	N/A	4646672

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR701	CYR702	CYR703			
Sampling Date		2016/08/23 12:45	2016/08/23 14:10	2016/08/23 15:20			
COC Number		NA	NA	NA			
	UNITS	LKHRT19-003-GW-015	LKHRT19-001-GW-020	LKHRT19-002-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters							
6:2 Fluorotelomer sulfonate	ng/L	1.7 J J	30	0.87 U U	4.0	0.87	4644714
8:2 Fluorotelomer sulfonate	ng/L	14	170	0.99 U U	4.0	0.99	4644714
Perfluorobutane Sulfonate (PFBS)	ng/L	0.99 J J	13	5.2	2.0	0.27	4644714
Perfluorobutanoic acid	ng/L	48	32	16	2.0	0.41	4644714
Perfluorodecane Sulfonate	ng/L	2.3	4.3	2.7	2.0	0.38	4644714
Perfluorodecanoic Acid (PFDA)	ng/L	11	7.0	2.4	2.0	0.24	4644714
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	0.63 U U	0.63 U U	2.0	0.63	4644714
Perfluoroheptanoic Acid (PFHpA)	ng/L	49	79	26	2.0	0.39	4644714
Perfluorohexane Sulfonate (PFHxS)	ng/L	30 (1)	370 (2)	160 (2)	20	4.0	4644714
Perfluorohexanoic Acid (PFHxA)	ng/L	41	78	32	2.0	0.42	4644714
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	66	83	26	2.0	0.39	4644714
Perfluorononanoic Acid (PFNA)	ng/L	79	20	7.6	2.0	0.33	4644714
Perfluorooctane Sulfonamide (PFOSA)	ng/L	1.4 J J	30	0.59 U U	4.0	0.59	4644714
Perfluorooctane Sulfonate (PFOS)	ng/L	650 (2)	670 (2)	260 (2)	20	3.0	4644714
Perfluoropentanoic Acid (PFPeA)	ng/L	44	51	16	2.0	0.46	4644714
Perfluorotetradecanoic Acid	ng/L	0.61 U U	0.61 U UJ 10a	0.61 U U	2.0	0.61	4644714
Perfluorotridecanoic Acid	ng/L	0.60 U U	0.60 U UJ 10a	0.60 U U	2.0	0.60	4644714
Perfluoroundecanoic Acid (PFUnA)	ng/L	4.0	0.50 U U	0.50 U U	2.0	0.50	4644714
Surrogate Recovery (%)							
13C4-Perfluorooctanesulfonate	%	109	108	108	N/A	N/A	4644714
13C4-Perfluorooctanoic acid	%	113	99	111	N/A	N/A	4644714

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) 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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8798 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR704				CYR705			
Sampling Date		2016/08/23 16:55				2016/08/24 07:20			
COC Number		NA				NA			
	UNITS	LKHRT16-001-GW-020	RDL	MDL	QC Batch	MCGRE-RS-13	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	8.7 U (1) U	40	8.7	4644714	0.87 U	4.0	0.87	4644714
8:2 Fluorotelomer sulfonate	ng/L	9.9 U (1) U	40	9.9	4644714	0.99 U	4.0	0.99	4644714
Perfluorobutane Sulfonate (PFBS)	ng/L	180 (1)	20	2.7	4644714	0.27 U	2.0	0.27	4644714
Perfluorobutanoic acid	ng/L	46 (1) J 7a	20	4.1	4644714	0.41 U	2.0	0.41	4644714
Perfluorodecane Sulfonate	ng/L	3.8 U (1) U	20	3.8	4644714	0.38 U	2.0	0.38	4644714
Perfluorodecanoic Acid (PFDA)	ng/L	2.4 U (1) UJ 7a	20	2.4	4644714	0.24 U	2.0	0.24	4644714
Perfluorododecanoic Acid (PFDoA)	ng/L	6.3 U (1) UJ	20	6.3	4644714	0.63 U	2.0	0.63	4644714
Perfluoroheptanoic Acid (PFHpA)	ng/L	44 (1) J	20	3.9	4644714	0.39 U	2.0	0.39	4644714
Perfluorohexane Sulfonate (PFHxS)	ng/L	1800 (2)	800	160	4639711	0.40 U	2.0	0.40	4644714
Perfluorohexanoic Acid (PFHxA)	ng/L	190 (1) J 7a	20	4.2	4644714	0.42 U	2.0	0.42	4644714
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	94 (1) J	20	3.9	4644714	0.39 U	2.0	0.39	4644714
Perfluorononanoic Acid (PFNA)	ng/L	12 J (1) J	20	3.3	4644714	0.33 U	2.0	0.33	4644714
Perfluorooctane Sulfonamide (PFOSA)	ng/L	5.9 U (1) U	40	5.9	4644714	0.59 U	4.0	0.59	4644714
Perfluorooctane Sulfonate (PFOS)	ng/L	3000 (2)	800	140	4639711	0.30 U	2.0	0.30	4644714
Perfluoropentanoic Acid (PFPeA)	ng/L	73 (1) J 7a	20	4.6	4644714	0.46 U	2.0	0.46	4644714
Perfluorotetradecanoic Acid	ng/L	6.1 U (1) UJ 7a	20	6.1	4644714	0.61 U	2.0	0.61	4644714
Perfluorotridecanoic Acid	ng/L	6.0 U (1)	20	6.0	4644714	0.60 U	2.0	0.60	4644714
Perfluoroundecanoic Acid (PFUnA)	ng/L	5.0 U (1)	20	5.0	4644714	0.50 U	2.0	0.50	4644714
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	100	N/A	N/A	4639711	115	N/A	N/A	4644714
13C4-Perfluorooctanoic acid	%	68	N/A	N/A	4644714	115	N/A	N/A	4644714

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.

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR706				CYR707			
Sampling Date		2016/08/24 09:21				2016/08/24 10:47			
COC Number		NA				NA			
	UNITS	MCGRE01-HYDRANTOU-MW03-GW-015	RDL	MDL	QC Batch	MCGRE01-SS31-MW01S-GW-023	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	7.7	4.0	0.87	4644714	35 J (1) J	40	8.7	4644714
8:2 Fluorotelomer sulfonate	ng/L	12	4.0	0.99	4644714	9.9 U (1) U	40	9.9	4644714
Perfluorobutane Sulfonate (PFBS)	ng/L	3.6	2.0	0.27	4644714	9.3 J (1) J	20	2.7	4644714
Perfluorobutanoic acid	ng/L	34 (2)	20	4.1	4644714	4.1 U (1) U	20	4.1	4644714
Perfluorodecane Sulfonate	ng/L	0.38 U U	2.0	0.38	4644714	3.8 U (1) U	20	3.8	4644714
Perfluorodecanoic Acid (PFDA)	ng/L	48	2.0	0.24	4644714	6.5 J (1) J	20	2.4	4644714
Perfluorododecanoic Acid (PFDoA)	ng/L	8.0	2.0	0.63	4644714	6.3 U (1) U	20	6.3	4644714
Perfluoroheptanoic Acid (PFHpA)	ng/L	57	2.0	0.39	4644714	350 (1)	20	3.9	4644714
Perfluorohexane Sulfonate (PFHxS)	ng/L	33	2.0	0.40	4644714	79 (1)	20	4.0	4644714
Perfluorohexanoic Acid (PFHxA)	ng/L	130 (3)	20	4.2	4644714	950 (4)	800	170	4639712
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	99	2.0	0.39	4644714	1200 (4)	800	200	4639712
Perfluorononanoic Acid (PFNA)	ng/L	13	2.0	0.33	4644714	110 (1)	20	3.3	4644714
Perfluorooctane Sulfonamide (PFOSA)	ng/L	0.59 U U	4.0	0.59	4644714	5.9 U (1) U	40	5.9	4644714
Perfluorooctane Sulfonate (PFOS)	ng/L	350 (3)	20	3.0	4644714	2100 (4)	800	140	4639712
Perfluoropentanoic Acid (PFPeA)	ng/L	86	2.0	0.46	4644714	820 (4)	800	210	4639712
Perfluorotetradecanoic Acid	ng/L	0.67 J J 10a	2.0	0.61	4644714	6.1 U (1) UJ 10a	20	6.1	4644714
Perfluorotridecanoic Acid	ng/L	0.60 U J 10a	2.0	0.60	4644714	6.0 U (1) UJ 10a	20	6.0	4644714
Perfluoroundecanoic Acid (PFUnA)	ng/L	3.2	2.0	0.50	4644714	5.0 U (1) U	20	5.0	4644714
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	112	N/A	N/A	4644714	92	N/A	N/A	4639712
13C4-Perfluorooctanoic acid	%	82	N/A	N/A	4644714	92	N/A	N/A	4639712

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 matrix interference, sample required 10x dilution. Detection limit was adjusted accordingly.
(3) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(4) Due to high concentration of the target analyte, sample required high level analysis. Detection limit was adjusted accordingly.

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR708				CYR710			
Sampling Date		2016/08/24 11:55				2016/08/24 12:45			
COC Number		NA				NA			
	UNITS	MCGRE01-SS34-MW01-GW-022	RDL	MDL	QC Batch	MCGRE01-014-SW-001	RDL	MDL	QC Batch
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ng/L	1800 (1)	800	210	4639712	120 (2)	40	8.7	4644714
8:2 Fluorotelomer sulfonate	ng/L	100 J (3) J	200	50	4644714	0.99 U U	4.0	0.99	4644714
Perfluorobutane Sulfonate (PFBS)	ng/L	590 (3)	100	14	4644714	9.9	2.0	0.27	4644714
Perfluorobutanoic acid	ng/L	520 (3)	100	21	4644714	8.5	2.0	0.41	4644714
Perfluorodecane Sulfonate	ng/L	19 U (3) U	100	19	4644714	0.38 U U	2.0	0.38	4644714
Perfluorodecanoic Acid (PFDA)	ng/L	12 U (3) U	100	12	4644714	1.2 J J	2.0	0.24	4644714
Perfluorododecanoic Acid (PFDoA)	ng/L	32 U (3) U	100	32	4644714	0.63 U U	2.0	0.63	4644714
Perfluoroheptanoic Acid (PFHpA)	ng/L	1700 (1)	800	270	4639712	12	2.0	0.39	4644714
Perfluorohexane Sulfonate (PFHxS)	ng/L	35000 (1)	800	160	4639712	57	2.0	0.40	4644714
Perfluorohexanoic Acid (PFHxA)	ng/L	9800 (1)	800	170	4639712	35	2.0	0.42	4644714
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	23000 (1)	800	200	4639712	25	2.0	0.39	4644714
Perfluorononanoic Acid (PFNA)	ng/L	230 (3)	100	17	4644714	3.2	2.0	0.33	4644714
Perfluorooctane Sulfonamide (PFOSA)	ng/L	30 U (3) U	200	30	4644714	0.59 U U	4.0	0.59	4644714
Perfluorooctane Sulfonate (PFOS)	ng/L	20000 (1)	800	140	4639712	74	2.0	0.30	4644714
Perfluoropentanoic Acid (PFPeA)	ng/L	1900 (1)	800	210	4639712	41	2.0	0.46	4644714
Perfluorotetradecanoic Acid	ng/L	31 U (3) U	100	31	4644714	0.61 U U	2.0	0.61	4644714
Perfluorotridecanoic Acid	ng/L	30 U (3) U	100	30	4644714	0.60 U U	2.0	0.60	4644714
Perfluoroundecanoic Acid (PFUnA)	ng/L	25 U (3) U	100	25	4644714	0.50 U U	2.0	0.50	4644714
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	105	N/A	N/A	4639712	103	N/A	N/A	4644714
13C4-Perfluorooctanoic acid	%	98	N/A	N/A	4639712	103	N/A	N/A	4644714

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.
(3) Due to high concentrations of the target analytes, sample required 50x dilution. Detection limit was adjusted accordingly.

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Maxxam Job #: B6I2938
Report Date: 2016/09/13

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		CYR711			
Sampling Date		2016/08/24 14:50			
COC Number		NA			
	UNITS	FTDIX12-002-GW-015	RDL	MDL	QC Batch
Miscellaneous Parameters					
6:2 Fluorotelomer sulfonate	ng/L	0.87 U U	4.0	0.87	4644714
8:2 Fluorotelomer sulfonate	ng/L	0.99 U U	4.0	0.99	4644714
Perfluorobutane Sulfonate (PFBS)	ng/L	6.7	2.0	0.27	4644714
Perfluorobutanoic acid	ng/L	3.8 J 10a	2.0	0.41	4644714
Perfluorodecane Sulfonate	ng/L	0.58 J J	2.0	0.38	4644714
Perfluorodecanoic Acid (PFDA)	ng/L	0.24 U U	2.0	0.24	4644714
Perfluorododecanoic Acid (PFDoA)	ng/L	0.63 U U	2.0	0.63	4644714
Perfluoroheptanoic Acid (PFHpA)	ng/L	4.5	2.0	0.39	4644714
Perfluorohexane Sulfonate (PFHxS)	ng/L	55	2.0	0.40	4644714
Perfluorohexanoic Acid (PFHxA)	ng/L	13	2.0	0.42	4644714
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	15	2.0	0.39	4644714
Perfluorononanoic Acid (PFNA)	ng/L	2.1	2.0	0.33	4644714
Perfluorooctane Sulfonamide (PFOSA)	ng/L	40	4.0	0.59	4644714
Perfluorooctane Sulfonate (PFOS)	ng/L	170 (1)	20	3.0	4644714
Perfluoropentanoic Acid (PFPeA)	ng/L	7.0	2.0	0.46	4644714
Perfluorotetradecanoic Acid	ng/L	0.61 U U	2.0	0.61	4644714
Perfluorotridecanoic Acid	ng/L	0.60 U U	2.0	0.60	4644714
Perfluoroundecanoic Acid (PFUnA)	ng/L	0.50 U U	2.0	0.50	4644714
Surrogate Recovery (%)					
13C4-Perfluorooctanesulfonate	%	115	N/A	N/A	4644714
13C4-Perfluorooctanoic acid	%	101	N/A	N/A	4644714

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 Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-3788 Toll Free: (800) 668-0639 Fax: (905) 332-9169