Job Description: DE-1459 / Town of Blades Public Wells

For:

State of Delaware

391 Lukens Drive

New Castle, Delaware 19720-2774

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-148864-1
Job Description: DE-1459 / Town of Blades Public Wells
For:
State of Delaware
391 Lukens Drive
New Castle, Delaware 19720-2774

Client ID		DNREC SIRS	**BLADESPW03**			**BLADESPW903**			**BLADESPW02**			**BLADESPW01**			**BLADESFB01**			**Trip Blank**		
Lab Sample ID		Screening Levels	460-148864-1			460-148864-2			460-148864-3			460-148864-4			460-148864-5			460-148864-6		
Sampling Date		GW Ingestion	01/22/2018 11:00:00			01/22/2018 11:00:00			01/22/2018 12:00:00			01/22/2018 13:30:00			01/22/2018 12:50:00			01/22/2018 08:25:00		
Matrix		July 2016	Water			Water			Water			Water			Water			Water		
Dilution Factor			1			1			1			1			1			1		
Unit		ug/l	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260B-WATER	CAS#		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8260B																				
1,1,1-Trichloroethane	71-55-6	200	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
1,1,2,2-Tetrachloroethane	79-34-5	0.076	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5500	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
1,1,2-Trichloroethane	79-00-5	0.041	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080
1,1-Dichloroethane	75-34-3	2.8	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
1,1-Dichloroethene	75-35-4	7	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
1,2,4-Trichlorobenzene	120-82-1	0.4	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
1,2-Dibromo-3-Chloropropane	96-12-8	0.00033	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,2-Dibromoethane	106-93-4	0.0075	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,2-Dichlorobenzene	95-50-1	30	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,2-Dichloroethane	107-06-2	0.17	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	78-87-5	0.44	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,3-Dichlorobenzene	541-73-1	NA	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
1,4-Dichlorobenzene	106-46-7	0.48	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
2-Butanone (MEK)	78-93-3	560	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
2-Hexanone	591-78-6	3.8	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72
4-Methyl-2-pentanone (MIBK)	108-10-1	630	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63
Acetone	67-64-1	1400	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Benzene	71-43-2	0.46	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090
Bromoform	75-25-2	3.3	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Bromomethane	74-83-9	0.75	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Carbon disulfide	75-15-0	81	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Carbon tetrachloride	56-23-5	0.46	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
Chlorobenzene	108-90-7	7.8	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Chlorodibromomethane	124-48-1	0.87	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane	75-00-3	2100	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37
Chloroform	67-66-3	0.22	**0.28**	J	0.22	**0.37**	J	0.22	**0.29**	J	0.22	**0.42**	J	0.22	0.22	U	0.22	0.22	U	0.22
Chloromethane	74-87-3	19	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
cis-1,2-Dichloroethene	156-59-2	3.6	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
cis-1,3-Dichloropropene	10061-01-5	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Cyclohexane	110-82-7	1300	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Dichlorobromomethane	75-27-4	0.13	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Dichlorodifluoromethane	75-71-8	20	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14
Ethylbenzene	100-41-4	1.5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30
Isopropylbenzene	98-82-8	45	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Methyl acetate	79-20-9	2000	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
Methyl tert-butyl ether	1634-04-4	10	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Methylcyclohexane	108-87-2	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Methylene Chloride	75-09-2	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
Styrene	100-42-5	100	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
Tetrachloroethene	127-18-4	1	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Toluene	108-88-3	110	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,2-Dichloroethene	156-60-5	36	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
trans-1,3-Dichloropropene	10061-02-6	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19

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Trichloroethene	79-01-6	0.28	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichlorofluoromethane	75-69-4	520	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Vinyl chloride	75-01-4	0.019	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060
Xylenes, Total	1330-20-7	19	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Total Conc		NA	0.28			0.37			0.29			0.42			0.0			0.0		
Total Estimated Conc. (TICs)		NA	0.0*T			0.0*T			0.0*T			0.0*T			0.0*T			0.0*T		

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*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
J : Result is less than the RL but greater
than or equal to the MDL and the
concentration is an approximate value.
U : Indicates the analyte was analyzed for
but not detected.

Lab Contact:
Ex. 4 CBI
Project Manager I
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Ex. 4 CBI
Manager of Project Management
(732)549-Ex. 4 CBI

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THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-148864-1
Job Description: DE-1459 / Town of Blades Public Wells
For:
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Client ID		DNREC SIRS	**BLADESPW03**			**BLADESPW903**			**BLADESPW02**			**BLADESPW01**			**BLADESFB01**		
Lab Sample ID		Screening Levels	460-148864-1			460-148864-2			460-148864-3			460-148864-4			460-148864-5		
Sampling Date		GW Ingestion	01/22/2018 11:00:00			01/22/2018 11:00:00			01/22/2018 12:00:00			01/22/2018 13:30:00			01/22/2018 12:50:00		
Matrix		July 2016	Water			Water			Water			Water			Water		
Unit																	
METALS-WATER	CAS#		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 6020A(UG/L)																	
Chromium	7440-47-3	10	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Chromium, Dissolved	7440-47-3	10	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3

U : Indicates the analyte was analyzed for
but not detected.

Lab Contact:
Ex. 4 CBI
Project Manager I
(732)593-Ex. 4 CBI

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Manager of Project Management
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Client ID		DNREC SIRS	**BLADESPW03**			**BLADESPW903**			**BLADESPW02**			**BLADESPW01**			**BLADESFB01**		
Lab Sample ID		Screening Levels	460-148864-1			460-148864-2			460-148864-3			460-148864-4			460-148864-5		
Sampling Date		GW Ingestion	01/22/2018 11:00:00			01/22/2018 11:00:00			01/22/2018 12:00:00			01/22/2018 13:30:00			01/22/2018 12:50:00		
Matrix		July 2016	Water			Water			Water			Water			Water		
WETCHEM-WATER	CAS#		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																	
Cr (VI) (ug/l)	18540-29-9	0.035	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7

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Lab Sample ID		Screening Levels	460-148864-1			460-148864-2			460-148864-3			460-148864-4			460-148864-5		
Sampling Date		GW Ingestion	01/22/2018 11:00:00			01/22/2018 11:00:00			01/22/2018 12:00:00			01/22/2018 13:30:00			01/22/2018 12:50:00		
Matrix		July 2016	Water			Water			Water			Water			Water		
Dilution Factor			1			1			1			1			1		
Unit		ng/l	ng/l			ng/l			ng/l			ng/l			ng/l		
LCMS-537 (MODIFIED)-WATER	CAS#		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 537 (MODIFIED)																	
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	NA	1.68	U	1.68	1.69	U	1.69	1.70	U	1.70	1.67	U	1.67	1.72	U	1.72
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	2.75	U	2.75	2.76	U	2.76	2.77	U	2.77	2.72	U	2.72	2.81	U	2.81
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	8.24		0.18	7.92		0.18	5.35		0.18	5.85		0.18	0.18	U	0.18
Perfluorodecanoic acid (PFDA)	335-76-2	NA	0.61	J	0.27	0.63	J	0.28	0.56	J	0.28	1.11	J	0.27	0.28	U	0.28
Perfluorododecanoic acid (PFDoA)	307-55-1	NA	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.48	U	0.48	0.50	U	0.50
Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	5.82		0.22	5.7		0.22	4.92		0.22	6.07		0.22	0.23	U	0.23
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	25.8	B	0.15	25.4	B	0.15	21.8	B	0.15	23.5	B	0.15	0.26	J B	0.15
Perfluorohexanoic acid (PFHxA)	307-24-4	NA	11.7		0.51	11.2		0.52	9.76		0.52	11.9		0.51	0.53	U	0.53
Perfluorononanoic acid (PFNA)	375-95-1	NA	32.2		0.24	32.4		0.24	21.5		0.24	33.4		0.24	0.25	U	0.25
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	172		0.48	178		0.48	82.6		0.48	102		0.47	0.49	U	0.49
Perfluorooctanoic acid (PFOA)	335-67-1	NA	15.1		0.75	15		0.76	13.6		0.76	15.5		0.75	0.77	U	0.77
Perfluorotetradecanoic acid (PFTeA)	376-06-7	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.25	U	0.25	0.26	U	0.26
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NA	1.15	U	1.15	1.16	U	1.16	1.16	U	1.16	1.14	U	1.14	1.18	U	1.18
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NA	0.97	U	0.97	0.98	U	0.98	0.98	U	0.98	0.96	U	0.96	1.0	U	1.0
			271.47			276.25			160.09			199.33					

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

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