MEADOWS AT CYPRESS CREEK APARTMENTS 1.623 ACRES PROPOSED 150' RADIUS SANITARY CONTROL EASEMENT APRIL 24, 2015 JOB NO. 3156-00 REVISED: OCTOBER 8, 2015

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DESCRIPTION OF A 1.623 ACRE TRACT OF LAND SITUATED IN THE ALEXANDER BURNETT SURVEY, ABSTRACT NO. 109 HARRIS COUNTY, TEXAS

BEING a 1.623 acre (70,686 square foot) tract of land situated in the Alexander Burnett Survey, Abstract No. 109 of Harris County, Texas and being a portion of a called 10.7910 acre tract of land as described in an instrument to Nantucket Housing, LLC, recorded under Harris County Clerk's File (H.C.C.F.) No. 20150216950, said 1.623 acre tract being all of the area circumscribed by a circle whose radius is 150.00 feet, said 1.623 acre tract being more particularly described by metes and bounds as follows:

COMMENCING at a 5/8-inch iron rod found for the most northerly northeast corner of said 10.7910 acre tract, same being the northwest corner of a called 1.90 acre tract of land as described in an instrument to Michael P. Czichos and wife, Sandra K. Czichos recorded under H.C.C.F. No. Z532621, lying on the south line of a called 2 acre tract of land described as Borgstedt Cemetery in an instrument recorded under Volume 2733, Page 228 of the Harris County Deed Records;

THENCE, S 86° 48' 27" W, a distance of 837.67 feet along and with the north line of said 10.7910 acre tract, same partly being the south line of said 2 acre tract and partly being the south line of CYPRESS CREEK PLAZA, a subdivision per plat recorded under Volume 45, Page 69 of the Harris County Map Records to a 1" iron pipe found for the northwest corner of said 10.7910 acre tract, same being the southwest corner of said CYPRESS CREEK PLAZA, lying on the east line of a called 2.00007 acre tract of land as described in an instrument to George W. Sprankle and Wife B.J. Sprankle recorded under H.C.C.F. No. H851644;

THENCE, S 48° 03' 43" E, a distance of 211.65 feet over and across said 10.7910 acre tract to the **CENTER POINT** of the herein described tract containing 1.623 acres (70,686 square feet) of land;

Bearing orientation is based on the Texas State Plane Coordinate System, South Central Zone 4204, NAD-83 and is referenced to monuments found along the north line of a 21.81 acre tract as cited herein.

The above description is not to be used as fee conveyance.

PAUL A. JURICA, JR. D. 4264

Paul A. Jurica Jr. RPLS No. 4264

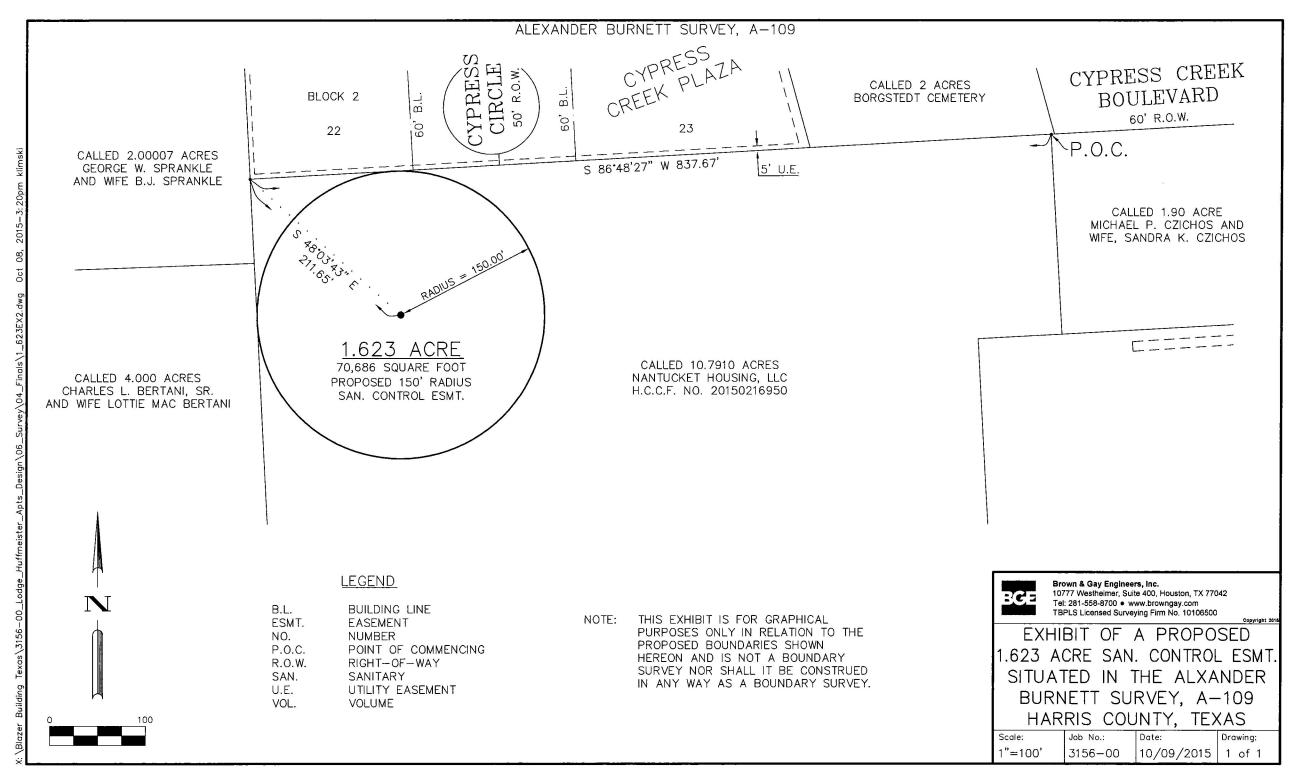
Brown & Gay Engineers, Inc.

10777 Westheimer Road, Suite 400

Houston, Texas 77042

Telephone: (281) 558-8700

TBPLS Licensed Surveying Firm No. 10106500



20150467788
Pages 5
10/13/2015 02:21 PM
e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
STAN STANART
COUNTY CLERK
Fees \$28.00

RECORDERS MEMORANDUM
This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.

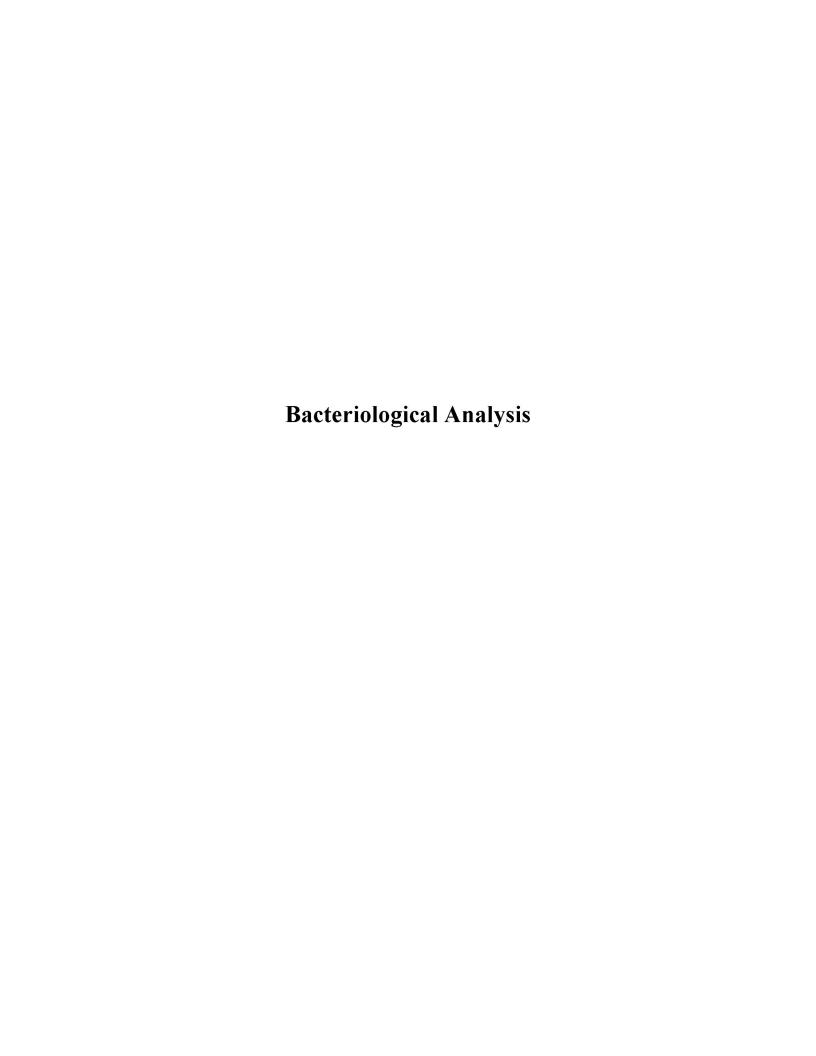
Any provision herein which restricts the sale, rental, or use of the described real property because of color or race is invalid and unenforceable under federal law.

THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED in the Official Public Records of Real Property of Harris County, Texas.

OF HARRIS COUNTY, IN

COUNTY CLERK
HARRIS COUNTY, TEXAS

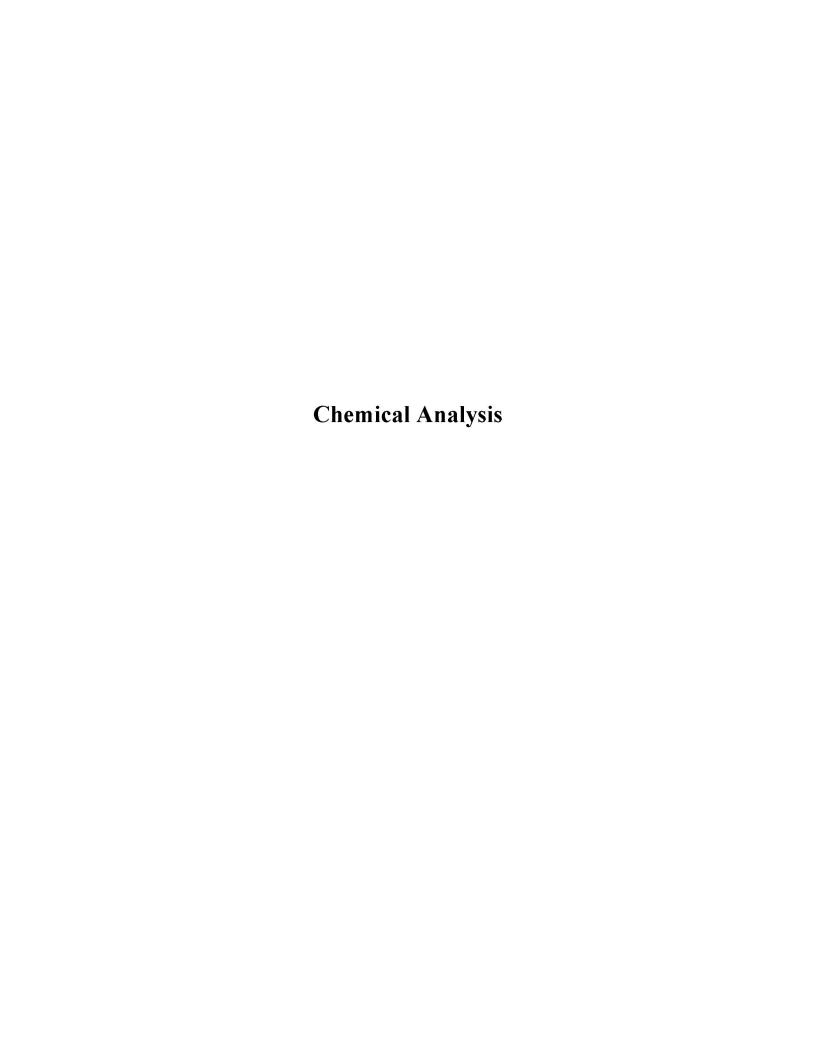
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30 November 2021

Envirodyne Laboratories, Inc 11011 Brooklet Dr., # 230 Houston, TX 77099 281.568.7880 Phone www.envirodyne.com

Inframark Vanessa Chapa 2002 West Grand Parkway North, Suite 100 Katy, TX 77449

Meadows at Cypress Creek

Enclosed are the results of analyses for samples received by the laboratory on 11-Nov-21 14:50. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 32

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

Monica Smith For Julie Peterson

Client Services Representative

. Monica Smith

Certificate No: T104704265-20-18



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Meadows Cypress WELL #1	21K1733-01	Water	11-Nov-21 06:00	11-Nov-21 14:50
WELL #1 - DISSOLVED	21K1733-02	Water	11-Nov-21 06:00	11-Nov-21 14:50

L - Sample analyzed by TNI certified lab: T104704215-20-38

L - Sample analyzed by TNI certified lab T104704379-19-12

L - Sample analyzed by TNI cerified lab: T104704192-21-16

L - Sample analyzed by TNI certified lab: T104704527-21-8

L - Sample analyzed by TNI certified lab T104704184-19-13

Envirodyne Laboratories, Inc.



CERTIFICATE OF ANALYSIS

CLIENT: Inframark LAB NUMBER:

21K1733A

DATE COLLECTED:

(Meadows at Cypress Creek) 11-Nov-21

DATE RECEIVED:

11-Nov-21

DATE COMPLETED:

21-Nov-21

SAMPLED BY:

MSB

LOCATION:	WELL #1		
	@ 0600	EPA	LIMITS
PARAMETERS:	@ 0000	METHOD #	(mg/l)
pH (Units)	7.51	SM 4500-H B	6.50 - 8.50
TOTAL HARDNESS as CaCO3(mg/l)	150.1	SM 2340 C	N/A
TOTAL ALKALINITY as CaCO3 (mg/l)	146.0	SM 2320 B	N/A N/A
P. ALKALINITY as CaCO3 (mg/l)	<20.0	SM 2320 B SM 4500-CO2 D	N/A N/A
BICARBONATE (mg/l)	178.1 <1.0	SM 4500-CO2 D	N/A
CARBONATE (mg/l)	288.0	SM 2540 C	1,000.0
TOTAL DISSOLVED SOLIDS (mg/l) CONDUCTANCE at 25C (umho/cm)	434.0	SM 2510 B	N/A
FREE CO2 (mg/l)	>10	N/A	N/A
ACIDITY (mg/l)	<20	305.1	Non-corrosive
SILICA as SiO2 (mg/l)	35.10	EPA 200.5	N/A
CALCIUM as CaCO3 (mg/l)	128.8	calc.	N/A
CALCIUM (mg/l)	51.6	200.7	N/A
MAGNESIUM as CaCO3 (mg/l)	21.3	calc.	N/A
MAGNESIUM (mg/l)	5.2	200.7	N/A
FOAMING AGENTS (mg/l)	< 0.020	N/A	0.5*
COLOR (Units)	<1.0	SM 2120 C	15.0
TURBIDITY (Units)	0.54	SM 2130 B	1.0
DISSOLVED TURBIDITY (Units)	0.24	SM 2130 B	1.0
CYANIDE (as Free mg/l) - L	< 0.006	EPA 1677	0.2
SODIUM (mg/l)	28.2	200.7	N/A
POTASSIUM (mg/l)	<2.0	200.7	N/A
TOTAL IRON (mg/i)	0.026	200.7	0.30 *
DISSOLVED IRON (mg/l)	0.015	200.7	0.30 *
TOTAL MANGANESE (mg/l)	<0.005	200.7	0.05 *
DISSOLVED MANGANESE (mg/l)	<0.005	200.7	0.05 *
TOTAL ZINC (mg/l)	< 0.002	200.8	5.0 *
TOTAL ANTIMONY (mg/l)	< 0.0005	200.8	0.006
TOTAL ALUMINUM (mg/l)	0.007	200.8	0.05 - 0.20*
DISSOLVED ALUMINUM (mg/l)	<0.002	200.8	0.05 - 0.20*
TOTAL ARSENIC (mg/l)	0.001	200,8	0.01
DISSOLVED ARSENIC (mg/l)	0.001	200.8	0.01
TOTAL BARIUM (mg/l)	0.215	200,8	1.0
TOTAL BERYLLIUM (mg/l)	<0.0005	200.8	0.004
TOTAL COPPER (mg/l)	<0.0005	200.8	1.00
TOTAL SILVER (mg/l)	<0.0005	200.8	0.05
TOTAL NICKEL (mg/l)	<0.0005	200.8	0.10
TOTAL CADMIUM (mg/l)	<0.0005	200.8	0.010
TOTAL CHROMIUM (mg/l)	<0.002	200.8	0.05 0.015
TOTAL LEAD (mg/l)	<0.0005	200.8 245.1	0.015
TOTAL MERCURY (mg/l)-L	<0.0002	200.8	0.002
TOTAL SELENIUM (mg/l)	<0.002 <0.0005	200.8	0.002
TOTAL THALLIUM (mg/l)	5.9	ASTM D516-07	300.0 *
SULFATE (mg/l)	46.0	SM4500 CI-B	300.0 *
CHLORIDE (mg/l)	0.12	SM 4500-NO3 D	10.0
NITRATE (mg/l)	<0.05	SM 4500-NO2 B	1.00
NITRITE (mg/l) FLUORIDE (mg/l)	0.39	SM 4500-F C	2.00
DISSOLVED FLUORIDE (mg/l)	0.14	SM 4500-F C	2.00
ODOR (THRESHOLD#)	< 1.0	N/A	3.0
TEMPERATURE (C/F)	25/77	N/A	N/A
LANGELIER INDEX	+0.05	N/A	N/A
RYZNER STABILITY	8.67	N/A	N/A
AGGRESSIVE INDEX	11.80	N/A	N/A
HYDROGEN SULFIDE (mg/l)	<0.05	SM 4500-S2 H	0.05

SM 4500-S2 H Monica Smith CERTIFIED BY

^{*} DENOTES: Secondary Standards (Recommended) L-Analyzed by NELAC certified lab T104704215-15



LABORATORIES, INC. CERTIFICATE OF ANALYSIS

CLIENT: Inframark LAB NUMBER: 21K1733B

(Meadows at Cypress Creek)

DATE COLLECTED: 11-Nov-21 DATE RECEIVED: 11-Nov-21

DATE COMPLETED: 21-Nov-21 SAMPLED BY: MSB

LOCATION:	WELL #1	DETECTION LIMITS
PARAMETERS:	@ 0600	(ug/l)
CHLOROMETHANE (ug/l)	1.0 U	1.0
VINYL CHLORIDE (ug/l)	1.0 U	1.0
BROMOMETHANE (ug/l)	2.0 U	2.0
CHLOROETHANE (ug/l)	1.0 U	1.0
TRICHLOROFUOROMÉTHANE (ug/l)	1.0 U	1.0
1,1-DICHLOROETHENE (ug/l)	1.0 U	1.0
METHYLENE CHLORIDE (ug/l)	1.0 U	1.0
trans-1,2-DICHLOROETHENE (ug/l)	1.0 Ü	1.0
cis-1,2-DICHLOROETHENE (ug/l)	1.0 U	1.0
1,1-DICHLOROETHANE (ug/l)	1.0 U	1.0
1,1,1-TRICHLOROETHANE (ug/l)	1.0 U	1.0
CHLOROFORM (ug/l)	1.0 U	1.0
CARBON TETRACHLORIDE (ug/l)	1.0 U	1.0
1,2-DICHLOROETHANE (ug/l)	1.0 U	1.0
BENZENE (ug/l)	1.0 U	1.0
TRICHLOROETHENE (ug/l)	1.0 U	1.0
1,2-DICHLOROPROPANE (ug/l)	1.0 U	1.0
BROMODICHLOROMETHANE (ug/l)	1.0 U	1.0
cis-1,3 DICHLOROPROPENE (ug/l)	1.0 U	1.0
TOLUENE (ug/l)	1.0 U	1.0
trans-1,3-DICHLOROPROPENE (ug/l)	1.0 U	1.0
1,1,2-TRICHLOROETHANE (ug/l)	1.0 U	1.0
TETRACHLOROETHENE (ug/l) - (PERC)	1.0 U	1.0
DIBROMOCHLOROMETHANE (ug/l)	1.0 U	1.0
CHLOROBENZENE (ug/l)	3.0 U	3.0
2-CHLOROETHYLVINYL ETHER (ug/l)	5.0 U	5.0
ETHYLBENZENE (ug/l)	1.0 U	1.0
BROMOFORM (ug/l)	1.0 U	1.0
1,1,2,2-TETRACHLOROETHANE (ug/l)	1.0 U	1.0
1,2-DIBROMOETHANE (ug/l)	1.0 U	1.0
XYLENE (ug/l)	1.0 U	1.0
TOTAL TRIHALOMETHANES (ug/l)	1.0 U	1.0
1,2,4-TRICHLOROBENZENE (ug/l)	1.0 U	1.0
DICHLOROMETHANE (ug/l)	1.0 U	1.0
o-DICHLOROBENZENE (ug/l)	1.0 U	1.0
p-DICHLOROBENZENE (ug/l)	1.0 U	1.0

Monica Smith

Ref. EPA-524 (VOLATILES)

U - Analyte Not Detected at the Listed Detection Limit

J - Analyte Present but Below Detection Limit

LAB REPRESENTATIVE



LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: Inframark

LAB NUMBER: 21K1733C

(Meadows at Cypress Creek)

DATE COLLECTED: 11-Nov-21

DATE RECEIVED: 11-Nov-21

DATE COMPLETED: 23-Nov-21 SAMPLED BY: TAA

LOCATION:	Well #1		Maximum			Maximum
PARAMETERS: BNA/Pest.			Contaminant I (MCLs) in ug.			Contaminant Levels (MCLs) in ug/l
DIAPPESI.						
ATRAZINE (ug/l)		< 0.1	3.0	Alachlor (ug/l)	< 0.1	2
HEXACHLOROBENZ	ENE (ug/l)	< 0.1	1.0	Heptachlor (ug/l)	< 0.1	0.4
HEXACHLOROCYCL	OPENTADIENE (ug/l)	< 0.1	50.0	Heptaclor Epoxide (ug/l)	< 0.1	0.2
BENZO (a) PYRENE	(ug/l)	< 0.1	0.2	Gamma-BHC (Lindane) (ug/l)	< 0.1	0.2
PENTACHLOROPHE	NOL (ug/l)	< 1.0	1.0	Chlordane (ug/l)	< 0.1	2
Di (2-ETHYLHEXYL)	PHTHALATE (ug/l)	< 5.0	6.0	Toxaphene (ug/l)	< 0.1	3
Di (2-ETHYLHEXYL)	ADIPATE (ug/l)	< 0.5	400.0	Methoxychlor (ug/l)	< 0.1	40
Simazine (ug/l)		< 0.1	4.0	Ethylene dibromide (ug/l)	< 0.01	0.05
Endrin (ug/l)		< 0.1	2.0	Glyphosate (ug/l)	< 0.100	700.0
Carbofuran (ug/l)		< 0.04	40.0	Oxamyl (ug/l)	< 100.0	200.0
Dalapon (ug/l)		< 0.20	200.0	Styrene (ug/l)	< 50.0	100.0
Dibromochloropropan	e (ug/l)	< 0.1	0.2	Picloram (ug/l)	< 100.0	500.0
Dinoseb (ug/l)		< 1.0	7.0	*2,4,5-TP (SILVEX) (ug/l)	< 4.0	50
Diquat (ug/l)		< 10.0	20.0	*2,4-D (ug/l)	< 10.0	70
Endothall (ug/l)		< 50.0	100.0	Total PCBs (ug/l)	< 0.1	0.5

Monica Smith

LAB REPRESENTATIVE

Ref. EPA-525.2 (Base/Neutrals & Acids)



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K1795 - Inorganics										
Blank (B1K1795-BLK1)				Prepared:	12-Nov-21	Analyzed: 1	15-Nov-21			
Fluoride	< 0.10	0.10	mg/L							
Fluoride	< 0.10	0.10	и							
LCS (B1K1795-BS1)				Prepared: 1	12-Nov-21	Analyzed: 1	15-Nov-21			
Fluoride	0.50		mg/L	0.500		99.0	90-110			
Fluoride	0.50		и	0.500		99.0	90-110			
Matrix Spike (B1K1795-MS1)	Sour	ce: 21K0890-	-01	Prepared:	12-Nov-21	Analyzed: 1	15-Nov-21			
Fluoride	1.73	0.10	mg/L	0.500	1.19	108	80-120			
Fluoride	1.73	0.10	и	0.500	1.19	108	80-120			
Matrix Spike Dup (B1K1795-MSD1)	Source	ce: 21K0890-	-01	Prepared: 1	12-Nov-21	Analyzed: 1	15-Nov-21			
Fluoride	1.70	0.10	mg/L	0.500	1.19	102	80-120	1.75	20	
Fluoride	1.70	0.10	и	0.500	1.19	102	80-120	1.75	20	
Batch B1K2118 - Inorganics										
Blank (B1K2118-BLK1)				Prepared &	: Analyzed:	: 03-Nov-21	l			
Nitrate-N	< 0.10	0.10	mg/L							
LCS (B1K2118-BS1)				Prepared &	: Analyzed:	: 03-Nov-21	t			
Nitrate-N	9.98		mg/L	10.0	·	99.8	90-110			
Matrix Spike (B1K2118-MS1)	Source	ce: 21K0484	-01	Prepared &	: Analyzed:	: 03-Nov-21	l			
Nitrate-N	9.88	0.10	mg/L	10.0	0.46	94.2	80-120			
Matrix Spike Dup (B1K2118-MSD1)	Source	ce: 21K0484-	-01	Prepared &	: Analyzed:	: 03-Nov-21	l			
Nitrate-N	9.99	0.10	mg/L	10.0	0.46	95.3	80-120	1.11	20	

 $Envirodyne\ Laboratories, Inc.$



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Reported:

30-Nov-21 13:42

Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K2197 - Inorganics										
Blank (B1K2197-BLK1)				Prepared &	Analyzed:	16-Nov-21				
Conductivity at 25 C	<30	30	umho/cm							
Duplicate (B1K2197-DUP1)	Source	e: 21K1397-	-03	Prepared &	Analyzed:	16-Nov-21				
Conductivity at 25 C	770	30	umho/cm		769			0.130	20	
Reference (B1K2197-SRM1)				Prepared &	Analyzed:	16-Nov-21				
Conductivity at 25 C	178		umho/cm	180		98.9	0-200			
Batch B1K2208 - Inorganics										
Blank (B1K2208-BLK1)				Prepared &	Analyzed:	11-Nov-21				
Color	<1.0	1.0	Color Units							
LCS (B1K2208-BS1)				Prepared &	Analyzed:	11-Nov-21				
Color	36.8		Pt-Co Units	40.0		92.0	80-120			
Duplicate (B1K2208-DUP1)	Source	e: 21K1733	-01	Prepared &	Analyzed:	11-Nov-21				
Color	<1.0	1.0	Color Units		<1.0			0	20	
Batch B1K2211 - Inorganics										
Blank (B1K2211-BLK1)				Prepared &	Analyzed:	11-Nov-21				
Acidity	<20	20	mg/L							
LCS (B1K2211-BS1)				Prepared &	Analyzed:	11-Nov-21				
Acidity	988		mg/L	1000		98.8	80-120			

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Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

Applyto	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Omis	Level	Result	70KEC	Limis	KPD	Lami	Notes
Batch B1K2211 - Inorganics										
Duplicate (B1K2211-DUP1)	Sour	rce: 21J3983-0	01	Prepared &	t Analyzed:	11-Nov-21				
Acidity	<20	20	mg/L		<20			18.2	20	
Batch B1K2277 - Inorganics										
Blank (B1K2277-BLK1)				Prepared:	14-Nov-21	Analyzed: 1	5-Nov-21			
TDS	<10.0	10.0	mg/L							
Duplicate (B1K2277-DUP1)	Sour	rce: 21K1307-	-01	Prepared:	14-Nov-21	Analyzed: 1	5-Nov-21			
TDS	242	10.0	mg/L		244			0.823	20	
Batch B1K2382 - Inorganics										
Blank (B1K2382-BLK1)				Prepared &	t Analyzed:	12-Nov-21				
Turbidity	< 0.10	0.10	NTU							
Turbidity, Dissolved	< 0.10	0.10	"							
LCS (B1K2382-BS1)				Prepared &	k Analyzed:	12-Nov-21				
Turbidity	18.8		NTU	20.0		94.0	80-120			
Turbidity, Dissolved	18.8	0.10	TI.				80-120			
Duplicate (B1K2382-DUP1)	Sou	rce: 21K1300-	01	Prepared &	k Analyzed:	12-Nov-21				
Turbidity	0.450	0.10	NTU		0.451			0.222	20	
Turbidity, Dissolved	0.450	0.10	п		0.451			0.222	20	
Batch B1K2385 - Inorganics										
Blank (B1K2385-BLK1)				Prepared &	t Analyzed:	17-Nov-21				
Sulfate	< 2.00	2.00	mg/L							

Envirodyne Laboratories, Inc.



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Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K2385 - Inorganics										
LCS (B1K2385-BS1)				Prepared &	z Analyzed:	17-Nov-21				
Sulfate	21.7		mg/L	20.0		108	90-110			
Matrix Spike (B1K2385-MS1)	Source	e: 21K1733-	-01	Prepared &	z Analyzed:	17-Nov-21				
Sulfate	23.1	2.00	mg/L	20.0	5.85	86.2	80-120			
Matrix Spike Dup (B1K2385-MSD1)	Source	e: 21K1733-	-01	Prepared &	z Analyzed:	17-Nov-21				
Sulfate	26.2	2.00	mg/L	20.0	5.85	102	80-120	12.6	20	
Batch B1K2425 - Inorganics										
Blank (B1K2425-BLK1)				Prepared &	Analyzed:	17-Nov-21				
Chloride	<3.0	3.0	mg/L							
LCS (B1K2425-BS1)				Prepared &	z Analyzed:	17-Nov-21				
Chloride	102		mg/L	100		102	90-110			
Matrix Spike (B1K2425-MS1)	Source	e: 21K1307-	-01	Prepared &	z Analyzed:	17-Nov-21				
Chloride	51.0	6.0	mg/L	20.0	31.0	100	80-120			
Matrix Spike Dup (B1K2425-MSD1)	Source	e: 21K1307-	-01	Prepared &	z Analyzed:	17-Nov-21				
Chloride	52.0	6.0	mg/L	20.0	31.0	105	80-120	1.94	20	
Batch B1K2652 - Inorganics										
Blank (B1K2652-BLK1)				Prepared &	z Analyzed:	12-Nov-21				
Nitrite-N	< 0.05	0.05	mg/L							

Envirodyne Laboratories, Inc.



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Project: Meadows at Cypress Creek

Work Order: 21K1733

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30-Nov-21 13:42

Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K2652 - Inorganics										
LCS (B1K2652-BS1)				Prepared &	: Analyzed:	12-Nov-21				
Nitrite-N	0.10		mg/L	0.100		100	90-110			
Matrix Spike (B1K2652-MS1)	Sour	ce: 21K1733-	-01	Prepared &	: Analyzed:	12-Nov-21				
Nitrite-N	0.10	0.05	mg/L	0.100	ND	99.0	80-120			
Matrix Spike Dup (B1K2652-MSD1)	Sour	ce: 21K1733-	-01	Prepared &	: Analyzed:	12-Nov-21				
Nitrite-N	0.10	0.05	mg/L	0.100	ND	99.0	80-120	0.00	20	
Batch B1K2762 - Inorganics										
Blank (B1K2762-BLK1)				Prepared &	: Analyzed:	19-Nov-21				
Alkalinity (m) as CaCO3	<20.0	20.0	mg/L							
Alkalinity (p) as CaCO3	<20.0	20.0	и							
LCS (B1K2762-BS1)				Prepared &	: Analyzed:	19-Nov-21				
Alkalinity (m) as CaCO3	54.0		mg/L	50.0		108	90-110			
Alkalinity (p) as CaCO3	51.0		и	50.0		102	90-110			
Duplicate (B1K2762-DUP1)	Sour	ce: 21K1852-	-01	Prepared &	: Analyzed:	19-Nov-21				
Alkalinity (m) as CaCO3	180	20.0	mg/L		181			0.554	20	
Alkalinity (p) as CaCO3	<20.0	20.0	и		<20.0			0	20	
Batch B1K3056 - Metals - EPA 200.2										
Blank (B1K3056-BLK1)				Prepared: 2	20-Nov-21	Analyzed: 2	1-Nov-21			
Silica	< 5.00	5.00	mg/L							

Envirodyne Laboratories, Inc.



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Wet Chemistry - Quality Control Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K3056 - Metals - EPA 200.2										
LCS (B1K3056-BS1)				Prepared: 2	0-Nov-21	Analyzed: 2	1-Nov-21			
Silica	40.6		mg/L	40.0		102	90-110			
Matrix Spike (B1K3056-MS1)	Sour	ce: 21K1733-	01	Prepared: 2	20-Nov-21 A	Analyzed: 2	1-Nov-21			
Silica	133	5.00	mg/L	85.5	35.1	115	85-115			
Matrix Spike Dup (B1K3056-MSD1)	Source: 21K1733-01			Prepared: 20-Nov-21 Analyzed: 21-Nov-21			1-Nov-21			
Silica	120	5.00	mg/L	85.5	35.1	99.7	85-115	10.2	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

Total Metals by ICP - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K2237 - Metals - EPA 200.2										
Blank (B1K2237-BLK1)				Prepared: 1	15-Nov-21 A	Analyzed: 1	l6-Nov-21			
Magnesium	<2.00	2.00	mg/L			•				
Calcium	< 2.00	2.00								
Manganese	< 5.0	5.0	ug/L							
Iron	< 5.0	5.0	п							
Potassium	< 2.0	2.0	mg/L							
Sodium	<2.0	2.0	и							
LCS (B1K2237-BS1)				Prepared:	15-Nov-21 A	Analyzed: 1	16-Nov-21			
Magnesium	19.6		mg/L	20.0		98.2	85-115			
Manganese	257		ug/L	250		103	85-115			
Sodium	19.7		mg/L	20.0		98.4	85-115			
Calcium	19.2		п	20.0		95.8	85-115			
Iron	255		ug/L	250		102	85-115			
Potassium	19.6		mg/L	20.0		98.2	85-115			
Matrix Spike (B1K2237-MS1)	Sou	rce: 21K1644-	-01	Prepared: 1	15-Nov-21 A	Analyzed: 1	l6-Nov-21			
Potassium	<2.0	2.0	mg/L	40.0	<2.0		70-130	0		
Manganese	1070	10.0	ug/L	1000	41.1	103	70-130			
Iron	1160	10.0	и.	1000	122	103	70-130			
Sodium	97.3	4.0	mg/L	40.0	57.7	99.0	70-130			
Calcium	126	4.00	п	40.0	87.9	94.4	70-130			
Magnesium	< 2.00	2.00	11.	40.0	< 2.00		70-130	0		
Matrix Spike Dup (B1K2237-MSD1)	Sou	rce: 21K1644-	-01	Prepared: 1	15-Nov-21 A	Analyzed: 1	16-Nov-21			
Manganese	1080	10.0	ug/L	1000	41.1	104	70-130	1.12	20	
Magnesium	< 2.00	2.00	mg/L	40.0	< 2.00		70-130	0	20	
Calcium	128	4.00	W	40.0	87.9	100	70-130	1.77	20	
Iron	1160	10.0	ug/L	1000	122	104	70-130	0.518	20	
Potassium	< 2.0	2.0	mg/L	40.0	< 2.0		70-130	0	20	
Sodium	99.5	4.0		40.0	57.7	105	70-130	2.28	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Total Metals by ICP - Quality Control Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K2866 - Metals - EPA 200.2										
Blank (B1K2866-BLK1)				Prepared: 1	19-Nov-21 A	Analyzed: 2	0-Nov-21			
Iron, Dissolved	<5.0	5.0	ug/L							
Manganese, Dissolved	<5.0	5.0	и							
LCS (B1K2866-BS1)				Prepared: 1	19-Nov-21 A	Analyzed: 2	0-Nov-21			
Manganese, Dissolved	<5.0	5.0	ug/L		< 5.0		85-115	0		
Iron, Dissolved	<5.0	5.0	н		< 5.0		85-115	0		
Matrix Spike (B1K2866-MS1)	Sou	rce: 21K2495-	-02	Prepared: 1	19-Nov-21 A	Analyzed: 2	0-Nov-21			
Manganese, Dissolved	<5.0	5.0	ug/L		< 5.0		70-130	0		
Iron, Dissolved	<5.0	5.0	н		< 5.0		70-130	0		
Matrix Spike Dup (B1K2866-MSD1)	Sou	rce: 21K2495-	-02	Prepared: 1	19-Nov-21 A	Analyzed: 2	0-Nov-21			
Iron, Dissolved	< 5.0	5.0	ug/L		< 5.0		70-130	0	20	
Manganese, Dissolved	< 5.0	5.0	"		< 5.0		70-130	0	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Analyte

Reported:

RPD

Limit

Notes

RPD

30-Nov-21 13:42

Total Metals by ICP-MS - Quality Control

Envirodyne Laboratories, Inc.

Units

Spike

Level

Source

Result

%REC

%REC

Limits

Reporting

Limit

Result

i mary to	Result	Zimit	CILLO	Level	resoure	, or care	Lillies	IU D	Limit	11000
Batch B1K1694 - Metals - EPA 200	0.2									
Blank (B1K1694-BLK1)				Prepared: 1	11-Nov-21 A	Analyzed:	12-Nov-21			
ead	< 0.0005	0.0005	mg/L							
3arium	< 2.0	2.0	ug/L							
Aluminum	<2.0	2.0	11							
Arsenic	< 0.5	0.5	W.							
hallium	< 0.5	0.5	W							
Copper	< 0.5	0.5	W							
Beryllium	< 0.5	0.5	n							
Cadmium	< 0.50	0.50	11							
Jickel	< 0.5	0.5	и							
ilver	< 0.5	0.5	"							
Chromium	<2.0	2.0	11							
elenium	<2.0	2.0	11							
inc	<2.0	2.0	11							
Antimony	< 0.5	0.5	п							
LCS (B1K1694-BS1)				Prepared: 1	11-Nov-21 A	Analyzed:	12-Nov-21			
Silver	71		ug/L	75.0		95.1	85-115			
Jickel	66.7		11	75.0		88.9	85-115			
hallium	70.6		"	75.0		94.1	85-115			
Cadmium	73		W	75.0		97.7	85-115			
Copper	68.5		n	75.0		91.4	85-115			
Beryllium	67.8		11	75.0		90.4	85-115			
Muminum	68.3			75.0		91.1	85-115			
Chromium	68.7		"	75.0		91.6	85-115			
Sarium	68.5		и	75.0		91.3	85-115			
arsenic	77.2		"	75.0		103	85-115			
ead	69		п	75.0		91.5	85-115			
elenium	80.8		"	75.0		108	85-115			
line	80.0			75.0		107	85-115			
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Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

RPD

30-Nov-21 13:42

Total Metals by ICP-MS - Quality Control

Envirodyne Laboratories, Inc.

Spike

Source

%REC

Reporting

		Reporting		Spike	Bource		OICEC		МЪ	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K1694 - Metals - EPA 200.2										
Matrix Spike (B1K1694-MS1)	Sour	rce: 21K1733-	01	Prepared: 11-Nov-21 Analyzed: 12-Nov-21						
lilver	89	0.5	ug/L	100	ND	88.6	70-130			
Cadmium	91	0.50	и.	100	ND	91.3	70-130			
Vickel	86.2	0.5	п	100	0.789	85.5	70-130			
Chromium	76.4	2.0	п	100	ND	76.4	70-130			
Beryllium	84.9	0.5	и	100	ND	84.9	70-130			
Barium	300	2.0	н	100	215	84.5	70-130			
Copper	88.5	0.5		100	0.653	87.9	70-130			
Thallium	86.4	0.5	<u>n.</u>	100	ND	86.4	70-130			
Aluminum	83.3	2.0	и	100	ND	83.3	70-130			
ead	0.084	0.0005	mg/L	0.100	ND	84.2	70-130			
Arsenic	101	0.5	ug/L	100	1.90	99.6	70-130			
inc	97.9	2.0	п	100	1.77	96.1	70-130			
elenium	103	2.0	11	100	2.03	101	70-130			
ntimony	95.3	0.5	н	100	ND	95.3	70-130			
Matrix Spike Dup (B1K1694-MSD1)	Sou	rce: 21K1733-	01	Prepared: 1	1-Nov-21 A	Analyzed: 1	2-Nov-21			
3arium	333	2.0	ug/L	100	215	118	70-130	10.5	20	
arsenic	110	0.5	п	100	1.90	108	70-130	7.75	20	
eryllium	89.8	0.5	н	100	ND	89.8	70-130	5.54	20	
'hallium	94.3	0.5	н	100	ND	94.3	70-130	8.74	20	
ead	0.091	0.0005	mg/L	0.100	ND	90.9	70-130	7.61	20	
Tickel	91.5	0.5	ug/L	100	0.789	90.7	70-130	5.94	20	
Copper	94.4	0.5	н	100	0.653	93.7	70-130	6.44	20	
Cadmium	98	0.50	н	100	ND	97.5	70-130	6.62	20	
Chromium	80.6	2.0	н	100	ND	80.6	70-130	5.27	20	
ilver	97	0.5	п.	100	ND	96.9	70-130	8.98	20	
aluminum	83.6	2.0	п	100	ND	83.6	70-130	0.403	20	
inc	108	2.0	и	100	1.77	106	70-130	10.0	20	
elenium	112	2.0	п	100	2.03	110	70-130	7.60	20	
antimony	103	0.5	11	100	ND	103	70-130	7.55	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

Total Metals by ICP-MS - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K3367 - Metals - EPA 200.2										
Blank (B1K3367-BLK1)				Prepared: 1	9-Nov-21	Analyzed: 2	2-Nov-21			
Aluminum	< 2.0	2.0	ug/L							
Arsenic, Dissolved	< 0.50	0.50	и							
LCS (B1K3367-BS1)				Prepared: 1	9-Nov-21	Analyzed: 2	2-Nov-21			
Aluminum	76.6		ug/L	75.0		102	85-115			
Matrix Spike (B1K3367-MS1)	Sou	rce: 21K2684-	01	Prepared:	9-Nov-21	Analyzed: 2	2-Nov-21			
Aluminum	319	10.0	ug/L	250	63.1	102	70-130			
Matrix Spike Dup (B1K3367-MSD1)	Sou	rce: 21K2684-	01	Prepared: 1	9-Nov-21	Analyzed: 2	2-Nov-21			
Aluminum	330	10.0	ug/L	250	63.1	107	70-130	3.64	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch	B1K2952	- O	rganics

Blank (B1K2952-BLK1)				Prepared & Analyzed: 21-Nov-21
Dichlorodifluoromethane	<1.00	1.00	ug/L	
Chloromethane	<1.00	1.00	и	
Vinyl Chloride	<1.00	1.00	н	
Bromomethane	<2.00	2.00	н	
Chloroethane	<1.00	1.00	н	
Trichlorofluoromethane	<1.00	1.00	W	
Diethyl ether	<1.00	1.00	n-	
1,1-Dichloroethene	<1.00	1.00	11	
Carbon Disulfide	<1.00	1.00	и.	
Methylene Chloride	<1.00	1.00	и.	
MTBE (Methyl tert-butyl ether)	<1.00	1.00	н	
trans-1,2-Dichloroethene	<1.00	1.00	и.	
1,1-Dichloroethane	<1.00	1.00	и	
2,2-Dichloropropane	<1.00	1.00	и	
cis-1,2-Dichloroethene	<1.00	1.00	n.	
Bromochloromethane	<1.00	1.00	W.	
Chloroform	<1.00	1.00	"	
1,2-Dichloroethane	<1.00	1.00	n	
1,1,1-Trichloroethane	<1.00	1.00	п	
Methyl Acrylate	<1.00	1.00	п	
Tetrahydrofuran	<1.00	1.00	п	
Carbon Tetrachloride	<1.00	1.00	п	
1,1-Dichloropropene	<1.00	1.00	п	
Benzene	<1.00	1.00	п	
Trichloroethene	<1.00	1.00	п	
1,2-Dichloropropane	<1.00	1.00	n.	
Methyl methacrylate	<1.00	1.00	W	
Dibromomethane	<1.00	1.00	"	
Bromodichloromethane	<1.00	1.00	10	
cis-1,3-Dichloropropene	<1.00	1.00	111	
trans-1,3-Dichloropropene	<1.00	1.00	и.	
1,1,2-Trichloroethane	<1.00	1.00	п	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch	B1K2952	- Organics

Blank (B1K2952-BLK1)				Prepared & Analyzed: 21-Nov-21
Dibromochloromethane	<1.00	1.00	ug/L	
1,2-Dibromoethane	<1.00	1.00	n	
Toluene	<1.00	1.00	п	
Tetrachloroethene	<1.00	1.00	"	
1,3-Dichloropropane	<1.00	1.00	"	
Chlorobenzene	<3.00	3.00	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	n	
Ethylbenzene	<1.00	1.00		
m,p-Xylene	<1.20	1.20	и.	
o-Xylene	<1.00	1.00	11.	
Styrene	<1.00	1.00	н	
Bromoform	< 2.00	2.00	п	
Isopropylbenzene (Cumene)	<1.00	1.00	н	
1,1,2,2-Tetrachloroethane	<1.00	1.00	и	
1,2,3-Trichloropropane	<1.00	1.00	н	
Bromobenzene	<1.00	1.00	W	
n-Propylbenzene	<1.00	1.00	n	
2-Chlorotoluene	<1.00	1.00		
1,3,5-Trimethylbenzene	<1.00	1.00		
4-Chlorotoluene	<1.00	1.00	и.	
ert-butyl Benzene	<1.00	1.00	и.	
1,2,4-Trimethylbenzene	<1.00	1.00	н.	
sec-butyl Benzene	<1.00	1.00	н	
p-Isopropyltoluene	<1.00	1.00	и	
1,3-Dichlorobenzene	<1.00	1.00	п	
l,4-Dichlorobenzene	<1.00	1.00	n	
n-butyl Benzene	<1.00	1.00	W	
,2-Dichlorobenzene	<1.00	1.00		
1,2-Dibromo-3-chloropropane	<1.00	1.00		
,2,4-Trichlorobenzene	<1.00	1.00		
Hexachlorobutadiene	<1.00	1.00	и	
Naphthalene	<1.00	1.00	и.	

Envirodyne Laboratories, Inc.



Reported:

30-Nov-21 13:42

Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K2952 - Organics										
Blank (B1K2952-BLK1)				Prepared &	z Analyzed:	21-Nov-21				
1,2,3-Trichlorobenzene	< 2.00	2.00	ug/L							
Total Trichloroethanes	<2.00	2.00	п							
Total Trihalomethanes	<3.00	3.00	m l							
Total Xylenes	<2.00	2.00	и							
Surrogate: 4-Bromofluorobenzene	4.0		"	5.00		79.8	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	4.3		"	5.00		85.6	70-130			
LCS (B1K2952-BS1)				Prepared &	z Analyzed:	21-Nov-21				
Dichlorodifluoromethane	17.6	1.00	ug/L	20.0	-	87.8	80-120			
Chloromethane	19.0	1.00	н	20.0		95.2	80-120			
Vinyl Chloride	19.8	1.00	n	20.0		99.2	80-120			
Bromomethane	24.7	2.00	н	20.0		124	80-120			(
Chloroethane	20.0	1.00	"	20.0		100	80-120			
Trichlorofluoromethane	20.1	1.00	n	20.0		101	80-120			
Diethyl ether	20.6	1.00	н	20.0		103	80-120			
1,1-Dichloroethene	22.0	1.00	н	20.0		110	80-120			
Carbon Disulfide	21.2	1.00	н	20.0		106	80-120			
Methylene Chloride	20.7	1.00	n	20.0		104	80-120			
MTBE (Methyl tert-butyl ether)	21.0	1.00	н	20.0		105	80-120			
trans-1,2-Dichloroethene	20.8	1.00	n	20.0		104	80-120			
1,1-Dichloroethane	20.5	1.00	и	20.0		102	80-120			
2,2-Dichloropropane	18.6	1.00	n	20.0		93.0	80-120			
cis-1,2-Dichloroethene	21.9	1.00	n	20.0		110	80-120			
Bromochloromethane	19.6	1.00	"	20.0		9 7 .9	80-120			
Chloroform	20.1	1.00	н	20.0		100	80-120			
1,2-Dichloroethane	20.5	1.00	н	20.0		102	80-120			
1,1,1-Trichloroethane	19.4	1.00	п	20.0		96.8	80-120			
Methyl Acrylate	18.9	1.00	п	20.0		94.4	80-120			
Tetrahydrofuran	20.9	1.00	п	20.0		105	80-120			
Carbon Tetrachloride	19.6	1.00	н	20.0		98.0	80-120			
1,1-Dichloropropene	22.0	1.00	и.	20.0		110	80-120			
Benzene	21.5	1.00	и	20.0		107	80-120			

Envirodyne Laboratories, Inc.



RPD

Limit

Notes

Client: Inframark

Analyte

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Reporting

Limit

Result

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

Units

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

Haryto	resurt	Limit				/ordic		IdD	Lillie	
Batch B1K2952 - Organics										
LCS (B1K2952-BS1)				Prepared &	: Analyzed:	21-Nov-21				
Trichloroethene	22.1	1.00	ug/L	20.0		110	80-120			
1,2-Dichloropropane	21.5	1.00	и	20.0		107	80-120			
Methyl methacrylate	18.8	1.00	11.	20.0		94.2	80-120			
Dibromomethane	20.0	1.00	"	20.0		100	80-120			
Bromodichloromethane	21.3	1.00	и	20.0		106	80-120			
sis-1,3-Dichloropropene	22.1	1.00	W	20.0		111	80-120			
rans-1,3-Dichloropropene	22.6	1.00	"	20.0		113	80-120			
,1,2-Trichloroethane	21.1	1.00	11	20.0		105	80-120			
Dibromochloromethane	20.4	1.00	и	20.0		102	80-120			
,2-Dibromoethane	21.5	1.00	"	20.0		107	80-120			
Toluene	22.8	1.00	н	20.0		114	80-120			
Tetrachloroethene	24.0	1.00	п	20.0		120	80-120			
,3-Dichloropropane	21.6	1.00	п	20.0		108	80-120			
Chlorobenzene	21.7	3.00	11	20.0		108	80-120			
,1,1,2-Tetrachloroethane	21.0	1.00	п	20.0		105	80-120			
thylbenzene	22.8	1.00	н	20.0		114	80-120			
n,p-Xylene	46.4	1.20	"	40.0		116	80-120			
-Xylene	22.8	1.00	n	20.0		114	80-120			
Styrene	19.8	1.00	11	20.0		99.1	80-120			
Bromoform	19.3	2.00	н	20.0		96.4	80-120			
sopropylbenzene (Cumene)	20.4	1.00	п	20.0		102	80-120			
,1,2,2-Tetrachloroethane	17.9	1.00	11	20.0		89.6	80-120			
,2,3-Trichloropropane	19.7	1.00	п	20.0		98.4	80-120			
Bromobenzene	20.7	1.00	п	20.0		104	80-120			
n-Propylbenzene	21.9	1.00	п	20.0		110	80-120			
-Chlorotoluene	21.6	1.00	п	20.0		108	80-120			
,3,5-Trimethylbenzene	21.0	1.00	W	20.0		105	80-120			
-Chlorotoluene	22.1	1.00	"	20.0		110	80-120			
ert-butyl Benzene	20.8	1.00	"	20.0		104	80-120			
,2,4-Trimethylbenzene	20.4	1.00	"	20.0		102	80-120			
ec-butyl Benzene	18.4	1.00		20.0		92.1	80-120			
o-Isopropyltoluene	20.0	1.00		20.0		100	80-120			

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K2952 - Organics										
LCS (B1K2952-BS1)				Prepared &	: Analyzed:	21-Nov-21				
1,3-Dichlorobenzene	20.3	1.00	ug/L	20.0		101	80-120			
1,4-Dichlorobenzene	20.7	1.00	п	20.0		104	80-120			
n-butyl Benzene	20.8	1.00	и	20.0		104	80-120			
1,2-Dichlorobenzene	20.0	1.00	и	20.0		100	80-120			
1,2-Dibromo-3-chloropropane	18.0	1.00	п	20.0		90.2	80-120			
1,2,4-Trichlorobenzene	17.9	1.00	W	20.0		89.6	80-120			
Hexachlorobutadiene	20.5	1.00	п	20.0		102	80-120			
Naphthalene	18.2	1.00	п	20.0		90.9	80-120			
1,2,3-Trichlorobenzene	18.8	2.00	п	20.0		94.0	80-120			
Total Trichloroethanes	40.4	2.00	п	40.0		101	80-120			
Total Trihalomethanes	81.0	3.00	и	80.0		101	80-120			
Total Xylenes	69.2	2.00	п	60.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	5.1		"	5.00		103	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	5.0		ï,	5.00		100	70-130			
LCS Dup (B1K2952-BSD1)				Prepared &	: Analyzed:	21-Nov-21				
Dichlorodifluoromethane	15.6	1.00	ug/L	20.0		78.2	80-120	11.5	20	(
Chloromethane	17.5	1.00	"	20.0		87.3	80-120	8.66	20	
Vinyl Chloride	18.9	1.00	н	20.0		94.6	80-120	4.69	20	
Bromomethane	23.2	2.00	и	20.0		116	80-120	6.09	20	
Chloroethane	19.6	1.00	н	20.0		97.8	80-120	2.17	20	
Trichlorofluoromethane	18.3	1.00	н	20.0		91.4	80-120	9.58	20	
Diethyl ether	20.2	1.00		20.0		101	80-120	2.16	20	
1,1-Dichloroethene	20.0	1.00	n	20.0		99.8	80-120	9.64	20	
Carbon Disulfide	19.4	1.00	н	20.0		97.2	80-120	8.43	20	
Methylene Chloride	19.2	1.00	н.	20.0		96.0	80-120	7.52	20	
MTBE (Methyl tert-butyl ether)	19.6	1.00	п	20.0		98.2	80-120	6.60	20	
trans-1,2-Dichloroethene	19.4	1.00	н	20.0		97.0	80-120	6.77	20	
1,1-Dichloroethane	19.1	1.00	п	20.0		95.5	80-120	7.07	20	
2,2-Dichloropropane	16.9	1.00	н	20.0		84.4	80-120	9.75	20	
cis-1,2-Dichloroethene	20.5	1.00	п	20.0		103	80-120	6.69	20	
Bromochloromethane	17.8	1.00	и	20.0		89.0	80-120	9.52	20	

Envirodyne Laboratories, Inc.



Client: Inframark

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control Envirodyne Laboratories, Inc.

	D1:	Reporting	** **	Spike	Source	A/DEC	%REC	DDD	RPD	27.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B1K2952 - Organics										
LCS Dup (B1K2952-BSD1)				Prepared &	: Analyzed:	21-Nov-21				
Chloroform	18.5	1.00	ug/L	20.0		92.5	80-120	8.19	20	
1,2-Dichloroethane	19.1	1.00	н	20.0		95.4	80-120	7.03	20	
,1,1-Trichloroethane	18.4	1.00	н	20.0		92.2	80-120	4.97	20	
Methyl Acrylate	19.0	1.00	н	20.0		95.0	80-120	0.581	20	
Tetrahy drofuran	20.6	1.00	н	20.0		103	80-120	1.64	20	
Carbon Tetrachloride	18.4	1.00	н	20.0		92.2	80-120	6.10	20	
,1-Dichloropropene	21.2	1.00	н	20.0		106	80-120	3.75	20	
Benzene	19.8	1.00	n	20.0		98.8	80-120	8.29	20	
Crichloroethene	20.6	1.00	n	20.0		103	80-120	7.18	20	
,2-Dichloropropane	20.0	1.00	n	20.0		100	80-120	7.13	20	
Methyl methacrylate	18.7	1.00	н	20.0		93.4	80-120	0.853	20	
Dibromomethane	18.5	1.00	н	20.0		92.4	80-120	8.10	20	
romodichloromethane	19.6	1.00	и	20.0		97.8	80-120	8.38	20	
s-1,3-Dichloropropene	20.4	1.00	и	20.0		102	80-120	7.90	20	
ans-1,3-Dichloropropene	20.7	1.00	и	20.0		104	80-120	8.55	20	
1,2-Trichloroethane	20.7	1.00	п	20.0		104	80-120	1.68	20	
Dibromochloromethane	19.5	1.00	n .	20.0		97.6	80-120	4.61	20	
,2-Dibromoethane	20.0	1.00	n.	20.0		100	80-120	6.94	20	
oluene	21.4	1.00	n	20.0		107	80-120	6.20	20	
etrachloroethene	22.0	1.00	н	20.0		110	80-120	8.30	20	
,3-Dichloropropane	19.5	1.00	н	20.0		97.7	80-120	10.0	20	
Chlorobenzene	20.3	3.00	н	20.0		101	80-120	6.62	20	
,1,1,2-Tetrachloroethane	19.2	1.00	"	20.0		96.2	80-120	8.85	20	
thylbenzene	21.1	1.00	W	20.0		106	80-120	7.74	20	
n,p-Xylene	43.0	1.20	н	40.0		108	80-120	7.62	20	
-Xylene	21.5	1.00	W	20.0		107	80-120	6.23	20	
tyrene	18.5	1.00	н	20.0		92.3	80-120	7.11	20	
romoform	18.1	2.00	п	20.0		90.6	80-120	6.10	20	
sopropylbenzene (Cumene)	19.5	1.00	н	20.0		97.6	80-120	4.51	20	
,1,2,2-Tetrachloroethane	17.1	1.00	n	20.0		85.7	80-120	4.39	20	
,2,3-Trichloropropane	19.4	1.00	п	20.0		97.2	80-120	1.18	20	
Bromobenzene	19.2	1.00	и	20.0		96.0	80-120	7.52	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
MINISTER STATE OF THE STATE OF	Result	Lillit	Cinto	1.0001	TOSUIT	, or control	Lilling	MD	Laillit	110108
Batch B1K2952 - Organics										
CS Dup (B1K2952-BSD1)				Prepared &	z Analyzed:	21-Nov-21				
n-Propylbenzene	20.6	1.00	ug/L	20.0		103	80-120	6.25	20	
2-Chlorotoluene	20.0	1.00	н	20.0		100	80-120	7.41	20	
,3,5-Trimethylbenzene	19.8	1.00	н	20.0		99.1	80-120	6.02	20	
-Chlorotoluene	20.6	1.00	н	20.0		103	80-120	7.17	20	
ert-butyl Benzene	19.6	1.00	п	20.0		98.2	80-120	5.69	20	
,2,4-Trimethylbenzene	19.3	1.00	W	20.0		96.5	80-120	5.69	20	
ec-butyl Benzene	17.7	1.00	"	20.0		88.4	80-120	4.04	20	
-Isopropyltoluene	19.2	1.00	"	20.0		96.2	80-120	3.97	20	
,3-Dichlorobenzene	19.1	1.00	н	20.0		95.4	80-120	6.00	20	
,4-Dichlorobenzene	19.0	1.00	11	20.0		94.8	80-120	8.77	20	
-butyl Benzene	19.3	1.00	н	20.0		96.6	80-120	7.47	20	
2-Dichlorobenzene	19.1	1.00	п	20.0		95.6	80-120	4.75	20	
2-Dibromo-3-chloropropane	18.1	1.00	п	20.0		90.6	80-120	0.498	20	
,2,4-Trichlorobenzene	17.9	1.00	n	20.0		89.4	80-120	0.168	20	
exachlorobutadiene	19.8	1.00	W.	20.0		99.0	80-120	3.28	20	
Taphthalene	18.4	1.00	н	20.0		91.8	80-120	1.04	20	
,2,3-Trichlorobenzene	18.4	2.00	"	20.0		92.0	80-120	2.26	20	
otal Trichloroethanes	38.0	2.00	н	40.0		95.0	80-120	6.17	20	
otal Trihalomethanes	75.7	3.00	n	80.0		94.6	80-120	6.83	20	
otal Xylenes	64.5	2.00	п	60.0		107	80-120	7.09	20	
urrogate: 4-Bromofluorobenzene	4.9		ï,	5.00		97.6	70-130			
urrogate: 1,2-Dichlorobenzene-d4	4.9		"	5.00		97.2	70-130			
Aatrix Spike (B1K2952-MS1)	Sour	rce: 21K2715-	01	Prepared &	Analyzed:	21-Nov-21				
Dichlorodifluoromethane	17.3	1.00	ug/L	20.0	ND	86.6	80-120			
Thloromethane	17.8	1.00	п	20.0	ND	89.2	80-120			
inyl Chloride	18.8	1.00	п	20.0	ND	94.0	80-120			
romomethane	24.2	2.00	п	20.0	ND	121	80-120			
hloroethane	19.1	1.00	n	20.0	ND	95.6	80-120			
richlorofluoromethane	19.5	1.00	"	20.0	ND	97.6	80-120			
Diethyl ether	18.3	1.00	n	20.0	ND	91.6	80-120			
.1-Dichloroethene	20.5	1.00		20.0	ND	102	80-120			

Envirodyne Laboratories, Inc.



Client: Inframark

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control Envirodyne Laboratories, Inc.

Reporting Spike Source %REC RPD Result Level %REC Limits RPD Limit Notes Analyte Limit Units Result

Matrix Spike (B1K2952-MS1)	Source	e: 21K2715-	01	Prepared &	Analyzed:	21-Nov-2		
Carbon Disulfide	19.9	1.00	ug/L	20.0	ND	99.6	80-120	
Methylene Chloride	19.8	1.00	"	20.0	ND	99.2	80-120	
MTBE (Methyl tert-butyl ether)	17.7	1.00	п	20.0	ND	88.7	80-120	
rans-1,2-Dichloroethene	19.4	1.00	11.	20.0	ND	96.8	80-120	
,1-Dichloroethane	19.2	1.00	н	20.0	ND	96.2	80-120	
,2-Dichloropropane	18.1	1.00	н	20.0	ND	90.4	80-120	
is-1,2-Dichloroethene	19.7	1.00		20.0	ND	98.6	80-120	
Bromochloromethane	18.4	1.00	н.	20.0	ND	92.0	80-120	
Chloroform	18.6	1.00	и	20.0	ND	93.0	80-120	
,2-Dichloroethane	18.9	1.00	п.	20.0	ND	94.6	80-120	
,1,1-Trichloroethane	18.3	1.00	н	20.0	ND	91.7	80-120	
Methyl Acrylate	16.4	1.00	и.	20.0	ND	82.2	80-120	
etrahydrofuran	16.7	1.00	11	20.0	ND	83.4	80-120	
Carbon Tetrachloride	18.9	1.00	п	20.0	ND	94.5	80-120	
,1-Dichloropropene	21.0	1.00		20.0	ND	105	80-120	
Benzene	19.9	1.00	и	20.0	ND	99.7	80-120	
richloroethene	18.6	1.00		20.0	ND	93.2	80-120	
,2-Dichloropropane	19.5	1.00		20.0	ND	97.6	80-120	
Methyl methacrylate	16.4	1.00	11.	20.0	ND	82.2	80-120	
Dibromomethane	18.6	1.00	и	20.0	ND	92.9	80-120	
Bromodichloromethane	20.2	1.00	н	20.0	ND	101	80-120	
is-1,3-Dichloropropene	19.8	1.00	и	20.0	ND	98.8	80-120	
rans-1,3-Dichloropropene	20.2	1.00	п	20.0	ND	101	80-120	
,1,2-Trichloroethane	19.1	1.00	и	20.0	ND	95.3	80-120	
Dibromochloromethane	19.3	1.00	н	20.0	ND	96.6	80-120	
,2-Dibromoethane	19.4	1.00	п	20.0	ND	97.0	80-120	
oluene	21.1	1.00	н	20.0	ND	105	80-120	
etrachloroethene	12.0	1.00	"	20.0	ND	60.1	80-120	
,3-Dichloropropane	19.9	1.00	"	20.0	ND	99.4	80-120	
hlorobenzene	19.7	3.00	"	20.0	ND	98.3	80-120	
,1,1,2-Tetrachloroethane	19.6	1.00	т.	20.0	ND	98.1	80-120	
ithylbenzene	20.8	1.00	и.	20.0	ND	104	80-120	

Envirodyne Laboratories, Inc.



RPD

Limit

Notes

Client: Inframark

Analyte

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Reporting

Limit

Result

5.2

5.6

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

Units

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

Matrix Spike (B1K2952-MS1)	Sourc	e: 21K2715-	01	Prepared &	Analyzed:	21-Nov-2	[
n,p-Xylene	43.5	1.20	ug/L	40.0	ND	109	80-120	
-Xylene	20.7	1.00	п	20.0	ND	103	80-120	
Styrene	18.4	1.00	'n	20.0	ND	92.0	80-120	
Bromoform	18.0	2.00	n	20.0	ND	90.1	80-120	
sopropylbenzene (Cumene)	19.1	1.00	и	20.0	ND	95.6	80-120	
,1,2,2-Tetrachloroethane	18.8	1.00	"	20.0	ND	93.8	80-120	
,2,3-Trichloropropane	18.3	1.00	n	20.0	ND	91.4	80-120	
Bromobenzene	19.3	1.00	"	20.0	ND	96.3	80-120	
-Propylbenzene	20.4	1.00	и	20.0	ND	102	80-120	
-Chlorotoluene	20.4	1.00	п	20.0	ND	102	80-120	
,3,5-Trimethylbenzene	19.8	1.00	п	20.0	ND	99.2	80-120	
-Chlorotoluene	20.8	1.00	ж	20.0	ND	104	80-120	
ert-butyl Benzene	22.7	1.00	"	20.0	ND	113	80-120	
,2,4-Trimethylbenzene	19.4	1.00	"	20.0	ND	97.2	80-120	
ec-butyl Benzene	17.2	1.00		20.0	ND	86.2	80-120	
-Isopropyltoluene	18.8	1.00	W	20.0	ND	94.1	80-120	
,3-Dichlorobenzene	19.5	1.00	"	20.0	ND	97.7	80-120	
,4-Dichlorobenzene	19.5	1.00	"	20.0	ND	97.5	80-120	
ı-butyl Benzene	19.3	1.00	"	20.0	ND	96.4	80-120	
,2-Dichlorobenzene	19.1	1.00	"	20.0	ND	95.4	80-120	
,2-Dibromo-3-chloropropane	16.8	1.00	и	20.0	ND	84.0	80-120	
,2,4-Trichlorobenzene	15.6	1.00	и	20.0	ND	77.8	80-120	
Hexachlorobutadiene	19.7	1.00	"	20.0	ND	98.6	80-120	
Japhthalene	15.8	1.00	п	20.0	ND	79.2	80-120	
,2,3-Trichlorobenzene	16.8	2.00	"	20.0	ND	83.8	80-120	
otal Trichloroethanes	37.4	2.00	"	40.0	ND	93.5	80-120	
Total Trihalomethanes	76.1	3.00	W	80.0	ND	95.2	80-120	
Total Xylenes	64.2	2.00	"	60.0	ND	107	80-120	

5.00

5.00

Envirodyne Laboratories, Inc.

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,2-Dichlorobenzene-d4

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

105

111

70-130

70-130



Client: Inframark

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control Envirodyne Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Matrix Spike Dup (B1K2952-MSD1)	Source	e: 21K2715-	01	Prepared &	Analyzed:	21-Nov-2	1			
Dichlorodifluoromethane	16.8	1.00	ug/L	20.0	ND	84.0	80-120	3.05	20	
Chloromethane	16.4	1.00	п	20.0	ND	82.0	80-120	8.35	20	
Vinyl Chloride	17.7	1.00	п	20.0	ND	88.4	80-120	6.19	20	
Bromomethane	19.6	2.00	п	20.0	ND	98.0	80-120	21.1	20	
Chloroethane	18.7	1.00	п	20.0	ND	93.4	80-120	2.33	20	
Trichlorofluoromethane	18.4	1.00	"	20.0	ND	92.0	80-120	5.80	20	
Diethyl ether	19.1	1.00	n	20.0	ND	95.5	80-120	4.11	20	
l,1-Dichloroethene	19.6	1.00	n	20.0	ND	98.1	80-120	4.34	20	
Carbon Disulfide	19.0	1.00	n	20.0	ND	94.8	80-120	4.89	20	
Methylene Chloride	18.7	1.00	n	20.0	ND	93.4	80-120	5.92	20	
MTBE (Methyl tert-butyl ether)	18.3	1.00	н	20.0	ND	91.4	80-120	3.00	20	
rans-1,2-Dichloroethene	19.0	1.00		20.0	ND	94.8	80-120	2.04	20	
,1-Dichloroethane	18.3	1.00	W	20.0	ND	91.4	80-120	5.22	20	
2,2-Dichloropropane	17.1	1.00	n	20.0	ND	85.6	80-120	5.34	20	
sis-1,2-Dichloroethene	19.1	1.00	и	20.0	ND	95.6	80-120	2.99	20	
Bromochloromethane	17.0	1.00	п	20.0	ND	85.1	80-120	7.79	20	
Chloroform	18.0	1.00		20.0	ND	90.0	80-120	3.39	20	
,2-Dichloroethane	18.9	1.00	n	20.0	ND	94.6	80-120	0.0528	20	
1,1,1-Trichloroethane	17.7	1.00	"	20.0	ND	88.4	80-120	3.72	20	
Methyl Acrylate	17.1	1.00	n	20.0	ND	85.7	80-120	4.11	20	
Tetrahydrofuran	16.6	1.00	н	20.0	ND	83.2	80-120	0.240	20	
Carbon Tetrachloride	18.0	1.00	н	20.0	ND	90.0	80-120	4.93	20	
,1-Dichloropropene	20.4	1.00		20.0	ND	102	80-120	2.51	20	
Benzene	19.3	1.00	W	20.0	ND	96.6	80-120	3.16	20	
Trichloroethene	18.4	1.00	n	20.0	ND	92.1	80-120	1.24	20	
,2-Dichloropropane	19.1	1.00	и	20.0	ND	95.3	80-120	2.38	20	
Methyl methacrylate	16.6	1.00	и	20.0	ND	82.8	80-120	0.788	20	
Dibromomethane	18.0	1.00		20.0	ND	89.8	80-120	3.45	20	
Bromodichloromethane	19.2	1.00	н	20.0	ND	95.9	80-120	5.08	20	
sis-1,3-Dichloropropene	19.5	1.00	"	20.0	ND	97.4	80-120	1.38	20	
trans-1,3-Dichloropropene	20.1	1.00	н	20.0	ND	101	80-120	0.397	20	
1,1,2-Trichloroethane	19.4	1.00	п	20.0	ND	96.8	80-120	1.51	20	

Envirodyne Laboratories, Inc.



Client: Inframark

 Project:
 Meadows at Cypress Creek
 Reported:

 Work Order:
 21K1733
 30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control Envirodyne Laboratories, Inc.

Reporting Spike Source %REC RPD Result Units Level %REC Limits RPD Limit Notes Analyte Limit Result

Matrix Spike Dup (B1K2952-MSD1)	Sourc	e: 21K2715-	01	Prepared &	Analyzed:	21-Nov-2	[
Dibromochloromethane	18.2	1.00	ug/L	20.0	ND	91.0	80-120	6.08	20	
1,2-Dibromoethane	19.5	1.00	п	20.0	ND	97.6	80-120	0.514	20	
Toluene	20.7	1.00	n	20.0	ND	103	80-120	2.06	20	
Tetrachloroethene	11.7	1.00	n	20.0	ND	58.4	80-120	2.95	20	
1,3-Dichloropropane	19.2	1.00	н	20.0	ND	96.2	80-120	3.17	20	
Chlorobenzene	19.4	3.00	н	20.0	ND	97.0	80-120	1.33	20	
1,1,1,2-Tetrachloroethane	18.4	1.00	n	20.0	ND	91.8	80-120	6.69	20	
Ethylbenzene	20.3	1.00	n	20.0	ND	102	80-120	2.38	20	
n,p-Xylene	42.1	1.20	п	40.0	ND	105	80-120	3.15	20	
o-Xylene	20.2	1.00	n	20.0	ND	101	80-120	2.30	20	
Styrene	17.8	1.00	н	20.0	ND	88.9	80-120	3.48	20	
Bromoform	17.4	2.00	н	20.0	ND	86.9	80-120	3.62	20	
sopropylbenzene (Cumene)	19.1	1.00	W	20.0	ND	95.4	80-120	0.314	20	
,1,2,2-Tetrachloroethane	18.4	1.00	n	20.0	ND	91.8	80-120	2.05	20	
,2,3-Trichloropropane	17.9	1.00	W	20.0	ND	89.4	80-120	2.21	20	
Bromobenzene	18.9	1.00	н	20.0	ND	94.4	80-120	2.05	20	
-Propylbenzene	20.3	1.00	n	20.0	ND	102	80-120	0.295	20	
-Chlorotoluene	19.9	1.00	n.	20.0	ND	99.3	80-120	2.88	20	
,3,5-Trimethylbenzene	19.8	1.00	"	20.0	ND	99.0	80-120	0.202	20	
-Chlorotoluene	20.2	1.00	н	20.0	ND	101	80-120	2.78	20	
ert-butyl Benzene	22.6	1.00	н	20.0	ND	113	80-120	0.486	20	
,2,4-Trimethylbenzene	19.3	1.00	н	20.0	ND	96.4	80-120	0.827	20	
ec-butyl Benzene	17.5	1.00	n	20.0	ND	87.5	80-120	1.44	20	
-Isopropyltoluene	18.9	1.00	W	20.0	ND	94.3	80-120	0.212	20	
,3-Dichlorobenzene	19.0	1.00	н	20.0	ND	95.0	80-120	2.75	20	
,4-Dichlorobenzene	19.1	1.00	и	20.0	ND	95.6	80-120	2.02	20	
-butyl Benzene	19.6	1.00	и	20.0	ND	98.0	80-120	1.70	20	
,2-Dichlorobenzene	19.0	1.00	"	20.0	ND	94.9	80-120	0.525	20	
,2-Dibromo-3-chloropropane	17.5	1.00	n	20.0	ND	87.6	80-120	4.14	20	
,2,4-Trichlorobenzene	18.6	1.00	n	20.0	ND	92.8	80-120	17.7	20	
Hexachlorobutadiene	20.4	1.00	п	20.0	ND	102	80-120	3.39	20	
Naphthalene	19.5	1.00	п	20.0	ND	97.4	80-120	20.7	20	

Envirodyne Laboratories, Inc.



Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported:

30-Nov-21 13:42

Volatile Organic Compounds by EPA 524.2 - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K2952 - Organics										
Matrix Spike Dup (B1K2952-MSD1)	Sour	ce: 21K2715-	-01	Prepared &	Analyzed:	: 21-Nov-21				
1,2,3-Trichlorobenzene	20.6	2.00	ug/L	20.0	ND	103	80-120	20.6	20	Q
Total Trichloroethanes	37.0	2.00	п	40.0	ND	92.6	80-120	1.02	20	
Total Trihalomethanes	72.7	3.00	11	80.0	ND	90.9	80-120	4.57	20	
Total Xylenes	62.3	2.00	и	60.0	ND	104	80-120	2.88	20	
Surrogate: 4-Bromofluorobenzene	4.9		"	5.00		97.2	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	5.1		"	5.00		102	70-130			

Envirodyne Laboratories, Inc.



Envirodyne Laboratories, Inc 11011 Brooklet Dr., # 230 Houston, TX 77099 281.568.7880 Phone www.envirodyne.com

Client: Inframark

Project: Meadows at Cypress Creek

Work Order: 21K1733

Reported: 30-Nov-21 13:42

Notes and Definitions

Q QC did not meet ELI acceptance criteria

L Analyzed by third party laboratory

ND Analyte NOT DETECTED at or above the reporting limit

< Result is less than the RL

a Analyte not available for TNI/NELAP accreditation

n Not accredited

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



2181733

Cla Corrected

Envirodyne Laboratories, Inc. 11011 Brooklet, Ste. 230 Houston, Texas 77099-3543 Phone (281)568-7880 - Fax (281)568-8004

	E A346718
Page	Of

TCEQ Certification # T104704265

Analysis Request and Chain of Custody Record Name: Inframark 2002 West Grand Parkway North, Suite 100 Address: Citv: Katy, Texas 77449 281-505-0452 Fax: Patrick Bond Phone: Contact: Analysis Client/Project Project No. Temp. Meadows at Cypress Creek W Field Sample No./ Hd Grab Lab ID Date & Sample Container Sample Type (Liquid, ANALYSIS REQUESTED Preservative (Size/Mat'l) Sludge, etc.) Time No. Indentification 1/11/21 pH,Temperature Liquid NA WELL #1 NA 751 25 061 860 Dissolved Color, Turb, Fe, Al, As, Mn, F WELL #1-Dissolved 1-Lt/P Liquid Ice TCEQ Water Pkg, Si, H2S (2)1-gal/cub Liquid Ice WELL #1 Trace and Alkali Metals; Hardness; Hg Liquid Ice.HNO3 500 ml/P WELL #1 G.Alpha, G.Beta, T.U., Ra226-228 1-gal/cubic Liquid Ice.HNO3 WELL #1 -40ml/vials Radon Liquid Ice WELL #1 VOC -40ml/vials Liquid Ice,HCI WELL #1 Liquid SOCs(see attached pg2)) WELL #1 see pg 2 Ice TCE NaOH,C6H8 Cyanide, Free 250 ml/P Liquid WELL #1 (2) Asbestos/2,3,7,8-TCDD (Dioxin) Liquid Ice WELL #1 1-Lt/Amb Seal Intact? Date: Date: Received by: Samplers: (Signature) Relinguished by: Time: Time: (Signature) (Signature) Seal Intact? Date: Date: Received by: Relinquished by: Time: Time: (Signature) (Signature) Affiliation Date: 11 11 2 Date: | 1.11.21 Seai Intact? Received by Lab: Relinquished by: Page 33 of 33 Time: 1450 Time: 1450 (Signature) (Signature) Arrival Temp. Data Results To: aboratory No. FLOW: emarks: Meter Reading: JR44 Cl₂ Residual: 3.0 3.5 Site Representative: Date: Min Correction: Time:



EMSL Analytical, Inc.

5950 Fairbanks N. Houston Rd. Houston, TX 77040 Phone/Fax: (713) 686-3635 / (713) 686-3645 http://www.EMSL.com / houstonlab@emsl.com

EMSL Order ID: Customer ID:

152108874

ENDY62

Customer PO: Project ID:

Attn: Sherry Walker

> Envirodyne Laboratories, Inc. 11011 Brooklet. Suite 230 Houston, TX 77099

Phone: Fax:

(281) 568-7880 (281) 568-7880 11/11/2021

Received: Analyzed:

11/18/2021

21K1733 Proj:

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

						А	SBESTOS		
Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered	Vol. Filter Area Type		Asbestos Typos	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
Onent's Emol	2010/11110	(ml)		(mm²)			MFL	_ (million fibers per	liter)
Well #1 152108874-0001	11/12/2021 09:04 AM	50	1291	0.1572	None Detected	ND	0.16	<0.16	0.00 - 0.61
Collection Date/Time:	11/11/2021 06:0	00 AM							

Analyst(s)

Michelle Leggett

(1)

Wachelle

Michelle Leggett, Laboratory Manager or Other Approved Signatory

Any questions please contact Michelle Leggett.

Initial report from: 11/18/2021 16:14:13

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL be: s no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sa: _i-ig volumes and areas, locations, etc.) provided by the client on the Chain of Custedy. Samples are within quality control criteria and met method specifications unless otherwise noted. Litimation of uncertainty is available on request. Sample collection performed by the client. Pre-cleaned sample containers are available for purchase from EMSL. Note if sample containers are provided by the client, acceptable boatte blank level is defined as ≤0.01MFL for >=10um fibers. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by EMSL Analytical, Inc. Houston, TX Accredited by Texas Commission on Env. Quality

OrderID: 152108874



Asbestos Chain of Custody *EMSL Order Number (lab use only):

EMSL ANALYTICAL 1 5950 FAIRBANKS N HOUSTON - 1 HOUSTON TY T7(4), PHONE: (713) 686-363 -FAX: (8713) 696-363 -

- "MSL Order Number (lab use only):

15 2 10 88 74

Company Name %	Nurod	yve	EMSL Custo	mer ID:				
		Dr5/2 230	(Citý:)	ひならうでん	<i>'</i>	State or Pr	ovince:	权
	1449	Country:	Telephone #			Fax #:		
Report To (Name):			Please Prov	ide Result	s via:	Fax 🗌 En	nail	
email Address:			(Purchase O	rder Numb	er			
Client Project ID:	21517	23 :	EMSL Proje			·):		**************************************
State or Province Collec						Residen	tial/Tax E	xempt
EMSL-Bill to: Same	☐ Different -	If bill to is different note instruction Turnaround Time (TAT				s written autho	nization fron	n third party
☐ 3 Hr¹ ☐ 4-4.5Hr¹	AHERA		7 Options Fie 2	T 72 H		6 Hr 20 1	Week	☐ 2 Week
	for 3 Hour TEM	AHERA EPA Level II TAT - you will		1				d to schedule
PCM - Air		TEM Air1		TEM- Set	tled Dust			
☐ NIOSH 7400		☐ AHERA 40 CFR, Part 76	33	☐ Microv	ac - ASTM	D 5755		
☐ w/ OSHA 8hr. TWA		☐ NIOSH 7402		☐ Wipe -	ASTM D64	180		
PLM - Bulk (reporting lin	nit)	☐ EPA Level II				(EPA 600/J		
☐ PLM EPA 600/R-93/11	6 (<1%)	☐ ISO 10312		Soil - Ro	ck – Vermi	culite (repo	rting limit	:)
☐ PLM EPA NOB (<1%)		TEM Faulk				93/116 with r		
Point Count		☐ TEM EPA NOB				93/116 with a		p (<0.1%)
□ 400 (<0.25%) □ 1000		NYS NOB 198.4 (non-fria	•			ia Filtration I		
Point Count w/Gravimetric		☐ TEM EPA 600/R-93/116 prep (<0.1%)*	with milling TEM Qualitative via Drop Mount Prep Cincinnati Method EPA 600/R-04/004 – Pt			DISAMENA		
NYS 198.1 (friable - N	,	TEM - Water: EPA 100.2				ing limits avaia		
☐ NYS 198.6 NOB (non-	•		Drinking		t (please s			
☐ NYS 198.8 SOF-V	,	All Fi ∋r Sizes ☐ Waste [□ Drinking (ASBESTOS) 47-1/(//2/					
☐ NIOSH 9002 (<1%)	(-1	fife by a respect or see help	Eiltor	Dam Cira (Air Cample	es): \(0.8		AFum
Stop At First Positive	(crearry ruen	tify h. ogenous areas belo	w) Litter	Pore Size (ин запри	es): [0.8	рии 🗀 о).45µm
Sampler's Name:	T		Sampler's	Signature	·		·	
Sample #		(S) : ple Description/Lo	cation			Area or nous Area		e/Time, mpled
WELL41	215	.1733			1 Liter /	Amb	11/11/21	U60 D
		tr (
					IRHO	ICF		
		<u>.</u>			191	OC		
					611/	<u> </u>		
Client Sample # (s):		<u> </u>	1	_1	Total # of	Samples:		
Relinquished by (Client):		Date:	11/1	1/11		Time	. 11.	19
	(1.	7		7.7.			116	don
Received by (Lab): Comments/Special Instru	ctions:	Caffician Date:		//// 2	£	Time	: 9 J	OHY
	Kirika Marana Karana		2				W. 1	
Copy Envirodyne with	n Lab Rep	ort: sherry@envirodyr	ne.com/ ma	ria@env	rirodyne.	com/	ا	C
Laurab@envirodyne.	com/Lacol	ec@`avirodyne.com/p	epe@envi	rodyne.c	om/ mor	nicas@en	virodyn	e.com

Controlled Document - COC-05 Asbestos - R12 1 - 11/01/25 -

1. M.



Pace Analytical Services, LLC. 1700 Elm Street Minneapolis. MN 55414

Phone: 612.607.1700 Fax: 612.607.6444

Report Prepared for:

Sherry Walker Envirodyne Laboratories, Inc. 11011 Brooklet Houston TX 77099

> REPORT OF LABORATORY ANALYSIS FOR 2,3,7,8-TCDD

Report Summary:

This report contains results of one drinking water sample analyzed to determine 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613 by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

Report Prepared Date:

November 18, 2021

Report Information:

PaceProject#: 10587402

Sample Receipt Date: 11/12/2021

Client Project #: 21K1733 Client Sub PO #: N/A

State Cert#: T104704192

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Kirsten Hogberg, your Pace Project Manager.

This report has been reviewed by:

November 18, 2021

Kirsten Hogberg, Project Manager (612) 607-6407

(612) 607-6444 (fax)

kirsten.hogberg@pacelabs.com



Report of Laboratory Analysis

This reports hould not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.



Tel: 612-607-1700 Fax: 612-607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon- rimary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds colibration range
- I = Interferencepresent
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDEInterference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = SeeDiscussion

REPORT OF LABORATORY ANALYSIS



Envirodyne Laboratories, Inc. 11011 Brocklet, Ste. 230 Houston, Texas 77099-3543

E A346789

Page	Of	
-		

Phone (281)568-7880 - Fax (281)568-8004 TCEQ Certification # T104704265 Envirodyne Laboratories Inc. Name: Analysis Request and Chain of Custody Record 11011 Brooklet Dr. Ste 230 Address: City: Houston, Texas 77099 281-568-7880 Contact: Laura Bonjonia Fax: Phone: Project No. Analysis Client/Project Тетр. 211/1733 Lab ID Field Sample No./ 0.0 Grab Date & Hd Sample Container Sample Type (Liquid, **ANALYSIS REQUESTED** Preservative (Size/Mat'l) Sludge, etc.) Time Indentification 4-11-21 ICF Ligard WELL #1 213,7,8-1000 (DioxIN) 0600 AMPIER WO#:10587402 Date: 1/21-24 Seal Intact? Samplers: (Signature) Date Hir 21 Received by: Relinquished by: Time:/ 600 Time: 1600 (Signature) (Signature) Date tr-11-2, Seal Intact? Date: 1-11. 21 Received by: Relinguished by: Time: /600 Time:/600 (Signature) Affiliation (Signature) Date: ILIZU Seal intact? Date: Relinquished by: Signature): 300 Signature): 30 Time: (Signature) Souls to part (mir) Arrival Temp Data Results FLOW: Meter Reading: 2.7. C Site Representative: Mn Correction:



Document Name:

Sample Condition Upon Receipt (SCUR) - MN

Document No.: ENV-FRM-MIN4-0150 Rev.02 Document Revised: 14Apr2021

Page 1 of 1

Pace Analytical Services - Minneapolis

Sample Condition Client Name:	,	1	Project -	#:	ШО	# · 10E07/02
Enviradyn A					MU	#:10587402
	USPS]Cllent		PM: I	(NH Due Date: 11/19/21
Pace SpeeDee .	Commerc	ial		_ [~]	CLIE	NT: ENVIRODYNE
Tracking Number: 126896910108	3583	93 EN	ie Exception IV-FRM-Min	ns [] 4-0142		
	No	Sea	ıls Intact?	<u> </u>	res 🗷 No	Biological Tissue Frozen? Yes No
Packing Material: Bubble Wrap Bubble B	ags 🗌	None	Othe	er:		Temp Blank? Yes No
Thermometer: T1(0461) T2(1336) T3(0459)	□05418-I □160285		Type of Ice:	Wet	□Blue	None □Dry □Melted
Did Samples Originate in West Virginia? ☐Yes ☐No	Wer	e All Co	ntainer T	emps T	aken? ∐Yes	□No ☑N/A
Temp should be above freezing to 6°C Cooler Temp Re	ad w/tem	p blank	·			OC Average Corrected ☐See Exceptions
Correction Factor: + Cooler Temp Correcte	ed w/tem	p bĺank:				Temp (no temp blank ENV FRM-MIN4-014 only): 27 °C Container
USDA Regulated Soil: (N/A, water sample/Other:		ر		Date	/Initials of P	erson Examining Contents: $\sum D $
Did samples originate in a quarantine zone within the Unit ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check m			CA, FL, GA □No		d samples origi wall and Puert	nate from a foreign fource (internationally, including o Ricol?
If Yes to either question, fill out a						
						COMMENTS:
Chain of Custody Present and Filled Out?	Yes	□No	managana a	1.		
Chain of Custody Relinquished?	Yes	□No		2.		
Sampler Name and/or Signature on COC? Samples Arrived within Hold Time?	Yes ∠Yes		□N/A	3. 4.		<u>''</u>
Short Hold Time Analysis (<72 hr)?	Yes	No No		5. [Fecal Coliforn	HPC Total Coliform/E coli BOD/cBOD Hex Chrome
Rush Turn Around Time Requested?	Yes	□No		6.	Jurbidity IN	Itrate
Sufficient Volume?	Yes	□No		7.) 00	7
Correct Containers Used?	Yes	□No		8.		
-Pace Containers Used?	Yes	No				
Containers Intact?	Yes	□ No		9.		
Field Filtered Volume Received for Dissolved Tests?	□Yes	□No	ZN/A			isible in the dissolved container? Yes No ate/Time on Container Below: See Exception
Is sufficient information available to reconcile the samples to the COC?	Yes	□No	•	11. 11		ENV-FRM-MIN4-0:
Matrix: Water Soil Oil Other	/	L.,119			AGI	U
All containers needing acid/base preservation have been checked?	□Yes	□No	N/A	12. Sa	imple#	·
			,		,	
All containers needing preservation are found to be in compliance with EPA recommendation?	∐Yes	∏№	N/A		☐ NaOH	☐ HNO₃ ☐ H₂SO₄ ☐ Zinc Acetate
(HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)						
Succession Violand College Tockbox Office Inch	□Yes	[This	LINIZA			Yes • See Exception
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	Lites		/-IN/A	Chlori	ine?	No pH Paper Lot# ENV-FRM-MIN4-01
				nes. c	.monne	0-6 Roll
Extra labels present on soil VOA or WIDRO containers?	□Yes	□No	N/A	13.	 .	See Exception
Headspace in VOA Vials (greater than 6mm)? Trip Blank Present?	□Yes .□Yes	No	ZN/A	14.		ENV-FRM-MIN4-01
Trip Blank Custody Seals Present?	. Yes		ZN/A		Pace Trip Blar	nk Lot # (if purchased):
CLIENT NOTIFICATION/RESOLUTION						Field Data Required? Yes No
Person Contacted:				Dat	e/Time:	
Comments/Resolution:						
Due land Managar Paris	1/2-1					
Project Manager Review: <u>Kustun</u> 9 Note: Whenever there is a discrepancy affecting North Carolina			es a com.	of this fo		11/12/2021
hold, incorrect preservative, out of temp, incorrect containers).	. combinant	-c.eauthi	and a coby	or una it	will 05 26U	s to the Morth Carolina Deniay Certification Office (i'e off)

Report No.....10587402_1613DW_DFR

Page 5 of 6

Labeled by: <u>FD</u>



Drinking Water Analysis Results 2,3,7,8-TCDD -- USEPA Method 1613B

Teti12-607-1700 Fax612-607-6444

Sample ID..... WELL #1

Client..... Envirodyne Laboratories, Inc.

Lab Sample ID..... 10587402001

Date Collected.....11/11/2021
Date Received.....11/12/2021
Date Extracted.....11/15/2021

	Sample WEL 1 #1	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND		as sort
LOQ	5.0 pg/L			
2,3,7,8-TCDD Recovery	tecovery 9		91%	85%
Spike Recovery Limit			73-146%	73-146%
RPD			5.	9%
IS Recovery	70%	71%	61%	60%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	83%	87%	89%	77%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename Analysis Date Analysis Time Analyst Volume Dilution ICAL Date CCAL Filename	F2111.3A_07 11/17/2021 23:32 SMT 0.985L NA 10/06/2021 F211117B_16	F211118A_03 11/17/2021 20:28 SMT 0.973L NA 10/06/2021 F211117B_16	F211118A_01 11/17/2021 18:56 SMT 0.991L NA 10/06/2021 F211117B 16	F211118A_02 11/17/2021 19:42 SMT 1.027L NA 10/06/2021 F211117B_16

= Outside the Control Limits

ND = Not Detected

LOQ = Limit of Quantitation

Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A

RPD = Relative Percent Difference of Lab Spike Recoveries

IS = Internal Standard [2,3,7,8-TCDD- ${}^{13}C_{12}$] CS = Cleanup Standard [2,3,7,8-TCDD- ${}^{37}Cl_4$]

Project No.....10587402



FL DOH Certification #E84025 TX Cert.# T104704527-21-8

Report Date: November 19, 2021

1 1

Envirodyne Laboratories, Inc. 11011 Brooklet, Ste 230 Houston, TX 77099-3543

Field Custody: Client/Field ID: Client 21K1733

Well #1

Collection Date:

11-11-21/0600

Lab ID No:

21.17634

Lab Custody Date: 11-12-21/1020

Sample Desc:

DW

CERTIFICATE OF ANALYSIS

Parameter	Units	Res	sults	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	8.0	± 1.6	11-16-21/0803	EPA 900.0	1.8
Gross Beta	pCi/l	4.5	± 1.7	11-16-21/0803	EPA 900.0	3.3
Radium-226	pCi/l	2.4	± 0.5	11-16-21/1508	EPA 903.0*	0.4
Radium-228	pCi/l	0.8	± 0.5	11-18-21/1512	EPA Ra-05	0,6
Uranium	pCi/l	4.5	± 0.4	11-18-21/2028	EPA 908.0	0.2
Uranium	ug/l	6.7	± 0.6	Calc	Calc	Calc
Radon-222	pCi/l	315.6	± 14.0	11-12-21/1416	**	4.9

Alpha Standard: Th-230 Beta Standard: Cs-137 * 94% carrier recovery

** EPA/600/2-87/082 appendix D

Thomas J. Weeks Laboratory Manager

Test results meet all requirements of the 2016 TNI standards. Statement of estimated uncertainty available upon request. Test results refer only to sample(s) listed. Contact person: Thomas Weeks (813) 229-2879.



Envirodyne Laboratories, Inc. 11011 Brooklet, Ste. 230 Houston, Texas 77099-3543 Phone (281)568-7880 - Fax (281)568-8004

Page	Of	

rceq cer	tification # T10470	14265		, 11011	C (201)000 1 00							
Name:	Envirodyne La	boratorie	s Inc				Analysis Request and Chain	of Cu	stoc	dy Re	ecord	t t
Addres	s: 11011 Brookle	t Dr. Ste	230				((())			•		
City:	Houston, Texa	is 77099										
Contac	t: Laura Bonjonia	ā			Phone:	281-56	8-7880 <u>Fax:</u>					,
Project				Cli	ent/Project		731161				o.	sis e
							2111733				Temp.	in S
Lab ID	Field Sample No./	Date &	Grab		iner Sample Type (Liqu	id, Preservative	ANALYSIS REQUESTED		핌	D.O.	μ	Analysis Time
No.⊪	Indentification	Time	ğ,	S (Size/Mat'l)	Sludge, etc.)	11000110						
	~ 1	11-11-21		1-904	1. 1		Gruss Alpha, Gruss Beta					
	WELL#1	0600		Cur12	Liquid	4707	T. U., R2226-228					
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STATE OF TEXAS WELL REPORT for Tracking #427650

Owner: Nantucket Housing, LLC c/o Meadows

at Cypress Creek

Owner Well #:

Address:

1980 Post Oak Blvd

STE 1380

Houston, TX 77056

65-03-6

Latitude:

Grid #:

29° 57' 16" N

Well Location:

12321 Huffmeister Rd

Longitude:

095° 38' 04" W

Cypress, TX 77429

Elevation:

126 ft. above sea level

Well County:

Harris

Type of Work: **New Well** Proposed Use:

Public Supply

Drilling Start Date: 2/2/2016

Drilling End Date: 7/18/2016

Plans Approved by TCEQ - YES

PWS# 1013567

Borehole:

Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
36	0	52
20	0	545
9.875	545	700

Drilling Method:

Mud (Hydraulic) Rotary

Borehole Completion:

Filter Packed; Screened; Straight Wall

Filter Pack Intervals:

Top Depth (ft.)	Bottom Depth (ft.)
430	545

Filter Material

Size 12-20

Gravel

Description (number of sacks & material)

Annular Seal Data:

Top Depth (ft.)

0

Bottom Depth (ft.) 430

Cement 402 Bags/Sacks

Seal Method: Positive Displacement

Distance to Property Line (ft.): No Data

Sealed By: Driller

Distance to Septic Field or other

concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion:

Surface Slab Installed

Surface Completion by Driller

Water Level:

240 ft. below land surface on 2016-07-15

Measurement Method: Electric Line

Packers:

No Data

Type of Pump:

Submersible

Pump Depth (ft.): 400

Well Tests:

Pump

Yield: 643 GPM with 58 ft. drawdown after 36 hours

Plug Information:	Description (numb	Description (number of sacks & material) Cement		Bottom Depth (ft.)	
	Се			580	
	Strata Depth (ft.)	Water Type			
Water Quality:	435 - 535	Fresh			
		Chemical Analysis M	lade: Yes		
		vingly penetrate any strata w contained injurious constitue			

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Weisinger Incorporated

PO Box 2848 Conroe, TX 77305

Driller Name: Clint Gaskins License Number: 54561

Comments: Assistant Drillers:

Bobby Terry Rocky Peeples

Report Amended on 11/8/2021 by Request #35269

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

ĺ	Top (ft.)	Bottom (ft.)	Description	Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)	Ì
	0 60	60 82	Clay Sand	24	Conductor	New Grade B Carbon Steel	.250	0	52	
	82 125	125 245	Clay Sand	10	Surface Casing	New Grade B Carbon Steel	.365	0	435	
	245 280 302	280 302 387	Clay Sand Clay	10	Screen	New Pipe Base Stainless Steel	.365 0.025	435	472	
	387 410	410 435	Sand Clay	10	Blank	New Grade B Carbon Steel	.365	472	486	
	435 608	608 634	Sand Clay	10	Screen	New Pipe Base Stainless Steel	.365 0.025	486	500	
	634	700	Sand/Clay	10	Blank	New Grade B Carbon Steel	.365	500	510	

	10	Screen	New Pipe Base Stainless Steel	.365 0.025	510	535
	10	Blank Liner & BPV	New Grade B Carbon Steel	.365	535	545
li .	10	N/A	New Open Borehole		545	550

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 334-5540 Bryan W. Shaw, Ph.D, P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Executive Director



Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution

July 31, 2015

Mr. James Johnson Jr., P.E. Brown & Gay Engineers, Inc. 10777 Westheimer, Suite 400 Houston, TX 77042

Re: Meadows At Cypress Creek Water Plant - Public Water System ID No. 1013567

Proposed New Public Water System

Engineer Contact Telephone: (281) 558-8700

Plan Review Log No.: P-06012015-006

Harris County, Texas

CN: 604813121; RN: 108328113

Dear Mr. Johnson:

The Texas Commission on Environmental Quality (TCEQ) received financial information, response to request for service from neighboring utilities, and planning material for the proposed water well and water plant. Based on our review the project generally meets the minimum requirements of the Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems (Rules) and is **conditionally approved for construction** if the project plans and specifications meet the following requirements:

- 1. Title 30 Texas Administrative Code (TAC) Section 290.44(b) prohibits pipe and pipe fittings which contain more than 8.0 percent lead or solders and flux that contains more than 0.2 percent lead. Please be aware that beginning January 2014, changes to the Safe Drinking Water Act will further reduce the maximum allowable lead content of pipes, pipe fittings, plumbing fittings, and fixtures to 0.25 percent. Projects constructed after December 2013 must comply with the maximum allowable lead content of 0.25 percent.
- 2. It is the project engineer's responsibility to assure that the design and construction of these improvements meet TCEQ requirements.
- 3. The space between the casing and drill hole shall be sealed by using enough cement under pressure to completely fill and seal the annular space between the casing and the drill hole. The well casing shall be cemented in this manner from the top of the shallowest formation to be developed to the earth's surface. The driller shall utilize a pressure cementation method in accordance with the most current American Water Works Association (AWWA) Standard for Water Wells

Mr. James Johnson Jr., P.E. Page 2 July 31, 2015

(A100), Appendix C: Section C.2 (Positive Displacement Exterior Method); Section C.3 (Interior Method Without Plug); Section C.4 (Positive Placement, Interior Method, Drillable Plug); and Section C.5 (Placement Through Float Shoe Attached to Bottom of Casing). The grouting mixture used to pressure cement the annular space shall be neat cement as specified in the most current AWWA Standard for Water Wells and to which a maximum of 6%, by dry weight, bentonite and 2%, by dry weight, calcium chloride may be added. The minimum annular space between the outside diameter of the casing pipe and the borehole shall be no less than 1 1/2 inches in radial thickness or three inches in net diametrical difference and the pressure grouting shall be from the bottom upward utilizing one of the methods listed in this subparagraph for all public water system groundwater well construction.

4. Some engineers and water well drillers have assumed that the Tremie Method (as specified in AWWA Standards for Water Wells, A100-97, Appendix C, Section C.2) is an acceptable method of pressure cementation. Engineers and drillers confuse the Tremie Method with the Positive Displacement-Exterior Method (AWWA Standards for Water Wells, A100-97, Appendix C, Section C.3) which can also use a tremie tube. The difference between the two methods is that the Positive Displacement-Exterior Method requires the grout material to be placed by pumping or forced injection by air pressure. In contrast, the Tremie Method involves pouring the grout material into a tremie tube. **Pouring of grout material is not regarded as pressure cementation.**

An appointed engineer must notify the TCEQ's Region Office 12 in Houston at (713) 767-3500 when construction will start.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCD) as the preferred method of groundwater management. GCD's manage groundwater in many counties and are authorized to regulate production and spacing of water wells. **Public water systems drilling wells within an existing GCD are responsible for meeting the GCD requirements.** The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

The design engineer or water system representative is required to notify the Utilities Technical Review Team in writing by fax (512)239-6972 or email brian.dickey@tceq.texas.gov and cc vera.poe@tceq.texas.gov at least 48 hours before the well casing pressure cementing begins. If pressure cementing is to begin on a Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

The TCEQ does not approve this well for use as a public water supply at this time. The most recent version of the "Public Well Completion Data Checklist for Interim Approval." can be downloaded at the web address below.

Mr. James Johnson Jr., P.E. Page 3 July 31, 2015

 $http://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/Well_Completion_Checklist.pdf$

We provide this checklist to help you in obtaining interim approval to use this well before we can give final approval.

The submittal consisted of 39 sheets of engineering drawings and technical specifications. The proposed project consists of:

- One public water supply well drilled to 530 feet with 430 linear feet (l.f.) of 10-inch pressure-cemented steel casing; and 65 l.f. of 10-inch stainless steel screen with gravel pack. The well is rated for 215 gallon per minute (g.p.m) yield with a 40 horsepower (hp), submersible pump set at 400 feet;
- Alternate Bid. One public water supply well drilled to 530 feet with 430 linear feet (l.f.) of 12-inch pressure-cemented steel casing; and 65 l.f. of 6-inch stainless steel screen with gravel pack. The well is rated for 215 gallon per minute (g.p.m) yield with a 40 horsepower (hp), submersible pump set at 400 feet;
- Well head concrete sealing block and discharge piping;
- One 7,500 gallon welded steel, American Society of Mechanical Engineers (ASME) welded steel pressure tank,
- Two 126,000 gallon AWWA D100 welded steel ground storage tank;
- Two 20 h.p. booster pumps rated at 400 g.p.m. each;
- One 60 h.p. booster pumps rated at 1,100 g.p.m.;
- Intruder resistant fencing;
- Sodium hypochlorite disinfection system consisting of two 200 gallon tanks with secondary containment, and two motor driven mechanical diaphragm metering pumps; and,
- All necessary valves, fittings, yard piping, and related appurtenances.

This approval is for the construction of the above listed items only. The distribution lines connecting the water plant and apartment buildings were not included in this submittal and have not been approved.

The well is located at 12321 Huffmeister Road Cypress Texas in Harris County.

Please keep in mind that within 60 days of project completion the engineer must attest in writing that the project was constructed as described in the approved plans, specifications and any change orders filed with the TCEQ as required in Title 30 Texas Administrative Code §290.39(h)(3) of the Rules.

Mr. James Johnson Jr., P.E. Page 4 July 31, 2015

Please refer to the Utilities Technical Review Team's Log No. P-06012015-006 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittal to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

http://www.tceq.texas.gov/assets/public/permitting/watersupply/ud/forms/10233.pdf

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

http://www.tceq.texas.gov/utilities/planrev.html

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

If you have any questions concerning this letter or need further assistance, please contact Mr. Brian D. Dickey at (512)239-0963 or by email at "brian.dickey@tceq.texas.gov" or by correspondence at the following address:

Utilities Technical Review Team, MC-159 Texas Commission on Environmental Quality P.O. Box 13087 Austin, Texas 78711-3087

Sincerely,

Vera Poe, P.E., Team Leader Utilities Technical Review Team

Plan and Technical Review Section

Water Supply Division

Texas Commission on Environmental Quality

VP/BDD/av

cc: Meadows at Cypress Creek – Attn.: H. Chris Richardson, 9219 Katy Fwy, Suite 264, Houston, TX 77024

Mr. James Johnson Jr., P.E. Page 5 July 31, 2015

TCEQ Central Records PWS File 1013567 TCEQ Region No. 12 Office - Houston bcc:



March 18, 2021

Texas Commission on Environmental Quality (TCEQ) Water Supply Division Plan Review Team– MC 159 P.O. Box 13087 Austin, TX 78711-3087

Re: Meadows at Cypress Creek Water Plant

Public Well Completion Data TCEQ PWS I.D. No.: 1013567 TCEQ Log No.: P-06012015-006

To whom it may concern,

Submitted herewith for your review and approval is the Well Completion Data for the referenced water well for Meadows at Cypress Creek Water Plant.

Please contact me if you have any questions or need additional information.

Sincerely,

Susana Blauser, P.E. Project Manager SBlauser@bgeinc.com 832-913-4121

Enclosures

SUSANA BLAUSER GONZALEZ

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ONAL

03/18/2021

Public Well Completion Data Checklist for Approval to Use (Step 2)

Texas Commission on Environmental Quality Water Supply Division Plan Review Team MC-159 P.O. Box 13087, Austin, Texas 78711-3087 Public Water System I.D. No. 1013567 TCEQ Log No. P- 06012015-006

The following list is a brief outline of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed Water Supply Well Completion. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from Texas Register, 1019 Brazos St, Austin, TX, 78701-2413, Phone: (512) 463-5561 or downloaded from the website: http://www.tceq.texas.gov/rules/indxpdf.html

Any well proposed as a source of water for a public water supply must have plans approved for construction by TCEQ. Please include the well construction approval letter with your submittal of well completion data listed below for TCEQ evaluation. Based on review of this submitted data, approval may be given for use of the well.

au.	a, ap	proved inc	y se given for use of the veni
1.	X	X (i)	o(s) at appropriate scales showing the following: [§290.41(c)(3)(A)] Final location of the well with coordinates;
		X (ii) X (iii)	Named roadways; All property boundaries within 150 feet of the final well location and the
			property owners' names;
		X (iv)	Concentric circles with the final well location as the center point with radii of 10 feet, 50 feet, 150 feet, and ¼ mile;
		V (v)	
		X (v)	Any site improvements and existing buildings;
		X (vi)	Any existing or potential pollution hazards; and
0	NZ.		Map must be scalable with a north arrow.
2.	X		of the recorded deed of the property on which the well is located showing the
			(ater System (PWS) as the landowner, and/or any of the following:
			(c)(1)(F)(iv)]
		X (i)	Sanitary control easements (filed at the county courthouse and bearing the
			county clerk's stamp) covering all land within 150 feet of the well not owned by the PWS (for a sample easement see TCEQ Form 20698);
		(ii)	For a political subdivision, a copy of an ordinance or land use restriction
			adopted and enforced by the political subdivision which provides an
			equivalent or higher level of sanitary protection to the well as a sanitary
			control easement; and/or
		(iii)	A copy of a letter granting an exception to the sanitary control easement rule
			issued by TCEQ's Technical Review and Oversight Team.
3.	\mathbf{X}	Constructi	ion data on the completed well: [§290.41(c)(3)(A)]
		X (i)	Final installed pump data including capacity in gallons per minute (gpm),
			total dynamic head (tdh) in feet, motor horsepower, and setting depth;
		X (ii)	Bore hole diameter(s) (must be 3" larger than casing OD) and total well depth;
		X (iii)	Casing size, length, and material (e.g. 200 lf of 12" PVC ASTM F480 SDR-17);
		X (iv)	Length and material of any screens, blanks, and/or gravel packs utilized;
		$\overline{\mathbf{X}}$ (v)	Cementing depth and pressure method (one of the methods in latest revision
		23 (17	of AWWA Standard A-100, Appendix C, excluding the dump bailer and tremie
		\mathbf{X} (vi)	
		X (vi) X (vii)	methods); Driller's geologic log of strata penetrated during the drilling of the well; Cementing certificate; and

Revised 12/2019 Page 1 of 3

Public Well Completion Data Checklist for Approval to Use (Step 2)

- (viii) Copy of the official State of Texas Well Report (some of the preceding data is included on the Well Report).
- 4. X A U.S. Geological Survey 7.5-minute topographic quadrangle map (include quadrangle name and number) or a legible copy showing the location of the completed well; [§290.41(c)(3)(A)]
- 5. X Record of a 36-hour continuous pump test on the well showing stable production at the well's rated capacity. Include the following: [§290.41(c)(3)(G)]
 - X (i) Test pump capacity in gpm, tdh in feet, and horsepower of the pump motor;
 - X (ii) Test pump setting depth;
 - X (iii) Static water level (in feet); and
 - X (iv) Draw down (in feet).
- 6. Three bacteriological analysis reports for samples collected on three successive days showing raw well water to be free of coliform organisms. Reports must be for samples of raw (untreated) water from the disinfected well and submitted to a laboratory accredited by TCEQ, accredited to perform these test; and [§290.41(c)(3)(F)(i)]
- 7. X Chemical analysis reports for well water samples showing the water to be of acceptable quality for the most problematic contaminants listed below. Reports must come from a laboratory accredited by TCEQ; accredited to perform these tests. Maximum contaminant level (MCL) and secondary constituent level (SCL) units are in milligrams per liter (except arsenic which is in micrograms per liter). [§290.41(c)(3)(G) and§290.104 and §290.105]

Table 1: Primary Constituents with Maximum Contaminant Level (MCL)

PRIMARY	MCL
Nitrate	10 (as N)
Nitrite	1 (as N)
Arsenic	10
Fluoride	4.0

Table 2: Secondary Constituents with Secondary Contaminant Level (SCL)

SECONDARY	SCL
Aluminum	0.2
Copper	1.0
Iron	0.3
Manganese	0.05
Zinc	5.0
Total Dissolved Solids	1,000
Fluoride	2.0
Sulfate	300
Chloride	300
рН	> 7.0

Revised 12/2019 Page 2 of 3

Public Well Completion Data Checklist for Approval to Use (Step 2)

Table 3: Water Quality Parameters

PARAMETER	UNITS
Alkalinity as CaCO3	mg/L
Calcium as CaCO3	mg/L
Sodium	mg/L
Lead*	mg/L

Lead is regulated by the lead and copper rule. This analyte is to document the amount of lead in the source water. The level shall be less than $0.010 \, \text{mg/L}$ for approval to use.

All systems located in a high-risk county (see page 3) shall submit radiological analysis reports for water samples showing the water to be of acceptable quality for the contaminants listed below. Reports must come from a TCEQ accredited laboratory for approval to use of the well.

Table 4: Radionuclides with Maximum Contaminant Level (MCL)

CONTAMINANT	MCL
Gross alpha	15 pC i/L
Radium-226/228	5 pCi/L
Beta particle	50 pCi/L
Uranium	30 μg/L

WHERE: pCi/L = pico curies per liter, $\mu g/L = micrograms$ per liter

Please be aware when you review your radiological data that if the report has gross alpha over 15 pCi/L and individual uranium isotopes are not reported, you will have to resample or reanalyze and resubmit radionuclide results. If you see gross alpha plus radium-228 over 5 pCi/L, and don't have radium-226, you will have to resample or reanalyze and resubmit complete results.

List of Counties Where Radionuclide Testing Is required

Please be aware that we have added the requirement for analysis for radionuclides for high risk counties. For elevated levels of any contaminants found in a test well, treatment or blending may be required.

Table 5: List of Counties where Radionuclide Testing is required

COUNTY					
Atascosa	Bandera	Bexar	Bosque	Brazoria	
Brewster	Burnet	Concho	Culberson	Dallam	
Dawson	Erath	Fort Bend	Frio	Garza	
Gillespie	Gray	Grayson	Harris	Hudspeth	
Irion	Jeff Davis	Jim Wells	Kendall	Kent	
Kerr	Kleberg	Liberty	Llano	Lubbock	
McCulloch	Mason	Matagorda	Medina	Midland	
Montgomery	Moore	Parker	Pecos	Polk	
Presidio	Refugio	San Jacinto	San Saba	Tarrant	
Travis	Tyler	Upton	Val Verde	Victoria	
Walker	Washington	Wichita	Williamson	Zavala	

Revised 12/2019 Page **3** of **3**

Exhibit 1 – Site Plans

Corresponds to Public Well Completion Data Checklist, Item 1-i to 1-viii,

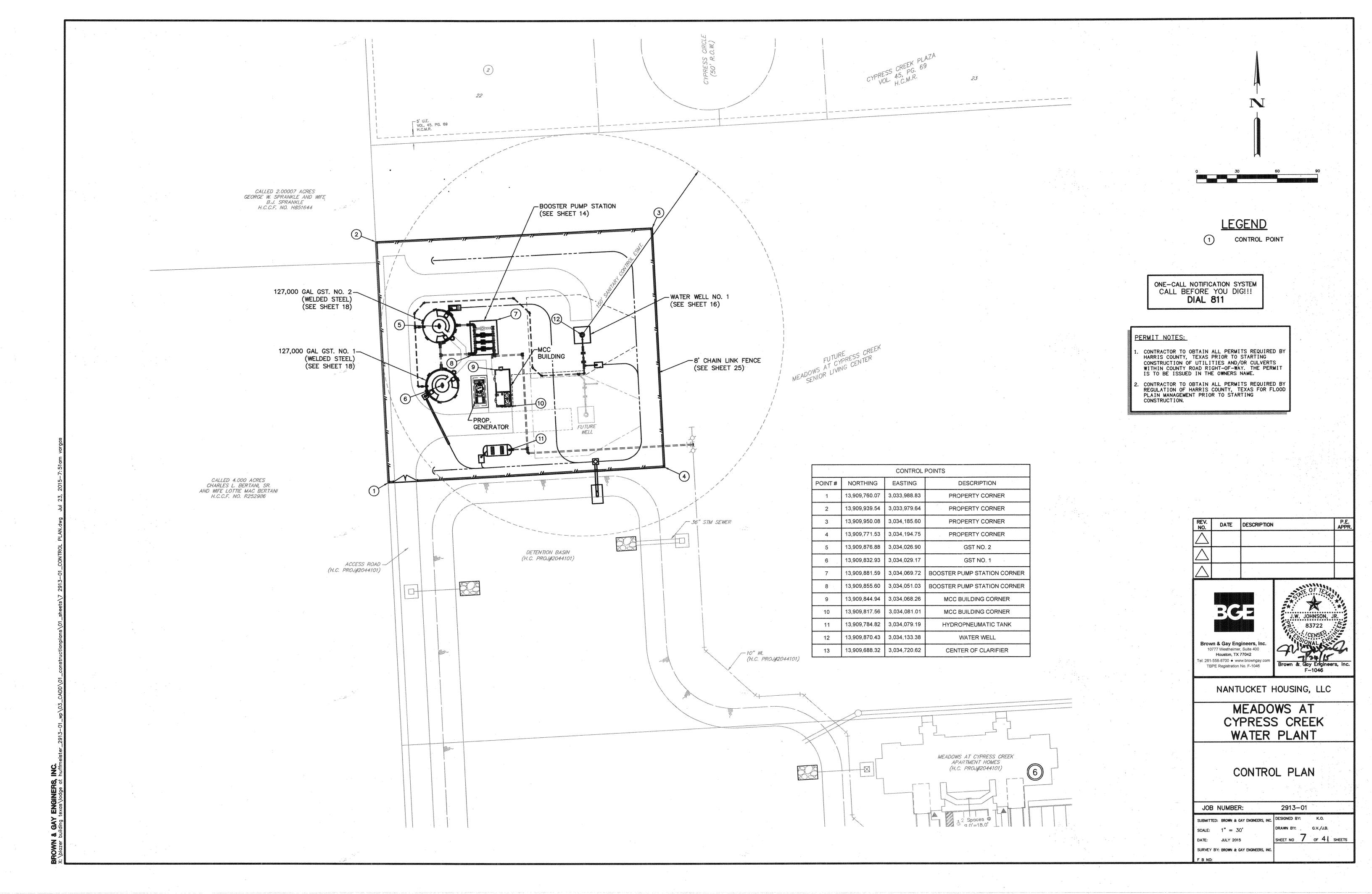


Exhibit 2 – Sanitary Control Easement Corresponds to Public Well Completion Data Checklist,

Item 2-i

SANITARY CONTROL EASEMENT (1.623 Acres)

GRANTOR(S): NANTUCKET HOUSING, LLC

10R

GRANTOR'S ADDRESS: 9219 KATY FREEWAY, SUITE 264, HOUSTON, TEXAS 77024

GRANTEE: NANTUCKET HOUSING, LLC

1EE

GRANTEE'S ADDRESS: 9219 KATY FREEWAY, SUITE 264, HOUSTON, TEXAS 77024

SANITARY CONTROL EASEMENT:

Purpose, Restrictions, and Uses of Easement:

- 1. The rules of the Texas Commission on Environmental Quality (the "TCEQ") provide that water wells be located so as to provide for the existence of a buffer zone between the water well and the nearest residential property. The purpose of this easement is to protect the water supply of the well described and located below by means of sanitary control.
- 2. The construction, existence, and/or operation of the following within a 150-foot radius of the well described and located below are prohibited: septic tank or sewage treatment perforated drainfields; areas irrigated by low dosage, low angle spray on-site sewage facilities; absorption beds; evapotranspiration beds; abandoned, inoperative or improperly constructed water wells of any depth; underground petroleum and chemical storage tanks or liquid transmission pipelines; sewage treatment plants; sewage wet wells; sewage pumping stations; drainage ditches which contains industrial waste discharges or wastes from sewage treatment systems; animal feed lots; solid waste disposal sites, landfill and dump sites; lands on which sewage plant or septic tank sludge is applied; lands irrigated by sewage plant effluent; military facilities; industrial facilities; wood-treatment facilities; liquid petroleum and petrochemical production, storage, and transmission facilities; Class 1, 2, 3, and 4 injection wells; pesticide storage and mixing facilities; and all other constructions or operations that could pollute the groundwater sources of the well that is the subject of this easement. For the purpose of this easement, improperly constructed water wells are those wells which do not meet the surface and subsurface construction standards for a public water supply well.
- 3. The construction, existence and/or operation of tile or concrete sanitary sewers, sewer appurtenances, septic tanks, storm sewers, cemeteries, and/or the existence of livestock in pastures is specifically prohibited within a 50-foot radius of the water well described and located below.
- 4. This easement permits the construction of homes or buildings upon the Grantor's property, and farming and ranching operations, as long as all items in Restrictions Nos. 2 and 3 are recognized and followed.

The Grantor's property subject to this Easement is a portion of that certain 10.7910 acre tract described in that deed dated June 01, 2015 to **NANTUCKET HOUSING**, **LLC** and recorded under clerks file no. 20150216950 of the official record of Harris County, Texas.

PROPERTY SUBJECT TO EASEMENT:

All of that area within a 150 foot radius of the water well located 211.65 feet at a bearing of S48°03'43"E from an interior corner of said 10.7910 acre tract, which 150-foot radius is located as shown on the metes and bounds description attached as Exhibit "A" and as shown on the attached Exhibit "B."

TERM:

This easement shall run with the land and shall be binding on all parties and persons claiming under the Grantor(s) for a period of two years from the date that this easement is recorded; after which time, this easement shall be automatically extended until the use of the subject water well as a source of water for public water systems ceases.

IN WITNESS WHEREOF, the parties hereto executed this agreement is multiple copies each of equally dignity, as to the date and year set forth on the first page hereof.

Executed this 9th day of October, 2015.

By: Matt Fully

Title: VP

THE STATE OF TEXAS

§

COUNTY OF HARRIS

The instrument was acknowledged before me on this 4th day of October, 2015 by

MELISSA SUE RODEM-REYNOLDS Notary Public, State of Texas My Commission Expires March 29, 2016

(NOTARY SEAL)

MEADOWS AT CYPRESS CREEK APARTMENTS 1.623 ACRES PROPOSED 150' RADIUS SANITARY CONTROL EASEMENT APRIL 24, 2015 JOB NO. 3156-00 REVISED: OCTOBER 8, 2015

D

DESCRIPTION OF A 1.623 ACRE TRACT OF LAND SITUATED IN THE ALEXANDER BURNETT SURVEY, ABSTRACT NO. 109 HARRIS COUNTY, TEXAS

BEING a 1.623 acre (70,686 square foot) tract of land situated in the Alexander Burnett Survey, Abstract No. 109 of Harris County, Texas and being a portion of a called 10.7910 acre tract of land as described in an instrument to Nantucket Housing, LLC, recorded under Harris County Clerk's File (H.C.C.F.) No. 20150216950, said 1.623 acre tract being all of the area circumscribed by a circle whose radius is 150.00 feet, said 1.623 acre tract being more particularly described by metes and bounds as follows:

COMMENCING at a 5/8-inch iron rod found for the most northerly northeast corner of said 10.7910 acre tract, same being the northwest corner of a called 1.90 acre tract of land as described in an instrument to Michael P. Czichos and wife, Sandra K. Czichos recorded under H.C.C.F. No. Z532621, lying on the south line of a called 2 acre tract of land described as Borgstedt Cemetery in an instrument recorded under Volume 2733, Page 228 of the Harris County Deed Records;

THENCE, S 86° 48' 27" W, a distance of 837.67 feet along and with the north line of said 10.7910 acre tract, same partly being the south line of said 2 acre tract and partly being the south line of CYPRESS CREEK PLAZA, a subdivision per plat recorded under Volume 45, Page 69 of the Harris County Map Records to a 1" iron pipe found for the northwest corner of said 10.7910 acre tract, same being the southwest corner of said CYPRESS CREEK PLAZA, lying on the east line of a called 2.00007 acre tract of land as described in an instrument to George W. Sprankle and Wife B.J. Sprankle recorded under H.C.C.F. No. H851644;

THENCE, S 48° 03' 43" E, a distance of 211.65 feet over and across said 10.7910 acre tract to the **CENTER POINT** of the herein described tract containing 1.623 acres (70,686 square feet) of land;

Bearing orientation is based on the Texas State Plane Coordinate System, South Central Zone 4204, NAD-83 and is referenced to monuments found along the north line of a 21.81 acre tract as cited herein.

The above description is not to be used as fee conveyance.

PAUL A. JURICA, JR. D. 4264

Paul A. Jurica Jr. RPLS No. 4264

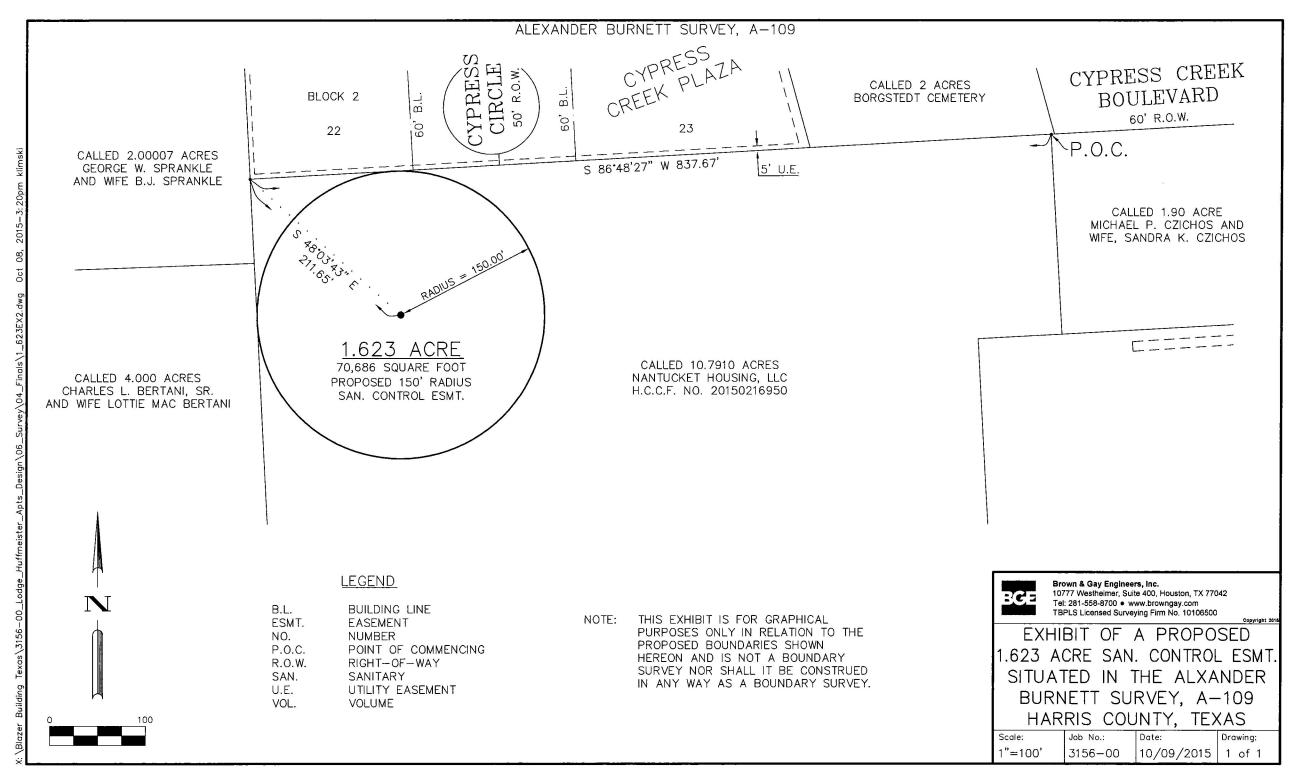
Brown & Gay Engineers, Inc.

10777 Westheimer Road, Suite 400

Houston, Texas 77042

Telephone: (281) 558-8700

TBPLS Licensed Surveying Firm No. 10106500



20150467788
Pages 5
10/13/2015 02:21 PM
e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
STAN STANART
COUNTY CLERK
Fees \$28.00

RECORDERS MEMORANDUM
This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.

Any provision herein which restricts the sale, rental, or use of the described real property because of color or race is invalid and unenforceable under federal law.

THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED in the Official Public Records of Real Property of Harris County, Texas.

OF HARRIS COUNTY, IN

COUNTY CLERK
HARRIS COUNTY, TEXAS

Stan Stanart

Exhibit 3 – Well Construction Data

Corresponds to Public Well Completion Data Checklist, Item 3-i to 3-viii



SHOP DRAWING / SUBMITTAL REVIEW REPORT

Project:	Meadows at Cypress Creek Wat	er Plant				
Project No.:	2913-01					
Contractor:	Nunn Constructors, Ltd.					
Submittal No.:	17	Dated:	May 4, 2016			
Description:	Well Pump					
REVIEW STA	ATUS and COMMENTS:					
Status: Acknowle x No Excep	dge Receipt tions Taken ecified Item		e and Re-submit e as Noted			
LBG-G's review in	LBG-G's review indicates that the proposed pump and motor equipment meet the relevant specifications in BGE Section 11216 (Submersible Deep Well Turbine Pump) and LBG-G does not take exception to the proposed pump and motor design and equipment, as follows:					
Pump Design Rat Total Dynamic He Pump Setting: Pump Column Pip Pump Manufactur	Type of Pump & Motor: Submersible, speed approx. 3,440 – 3,450 rpm. Pump Design Rate: 250 gpm. Total Dynamic Head (TDH): 362 feet. Pump Setting: 400 feet. Pump Column Pipe: 4 inches. Pump Manufacturer / Model: Grundfos / 300S300-9-B, 9 bowl stages. Motor Manufacturer / Size: Grundfos / 40 Hp.					
LBG-G Notes Attached The TDH values (380 or 381 feet) circled on the pump sheet / bowl curve are slightly higher than the pump design TDH (362 feet) and LBG-G discussed this with Weisinger. It is not uncommon for the pump TDH shown on the manufacturer's pump bowl submittals to be slightly different, and commonly higher, than the pump design TDH. LBG-G's opinion is that this slight difference in TDH is not a concern and the proposed submersible pump is acceptable.						
This Grundfos pump bowl has 9 stages, 8 "A" stages that are full diameter (not trimmed) and 1 "B" stage that will have its diameter trimmed to reduce its head or lift slightly. After the permanent pump and motor equipment are installed and operational, it is probable that the pump will deliver a modest to moderate amount more than the design rate of 250 gpm. BGE Section 11216 outlines field testing of the permanent pump and motor equipment and the testing report and data can be reviewed to ensure the pumping equipment meets the performance requirements.						
Checking by Brown and Gay Engineers, Inc. is only for general conformance with design concepts of project and/or general compliance with he Contract Documents. Contractor is responsible to ensure documents meet the contract requirements, for confirming and correlating limensions at job site; for information which pertains to fabrication processing and/or construction techniques; and for coordination of the work of all trades. Checking of submittals and shop drawings shall not relieve Contractor, any Subcontractors, and/or Material Supplier of esponsibility for deviation from requirements of Contract Documents nor for errors or omissions in these documents or shop drawings. When the Contract Cont						

P: 3/11/2015

TRANSMITTAL FORM		
Date of Submittal:4-	27-16	
Project Name:	Meadows at Cypress Creek Water Plant	_
Description of Submitta	al:17.0 Well Pump	
Manufacturer/Supplier:	Weisinger	_
Manufacturer/Supplier	Site Delivery:	
Relevant Specification	Section(s):	3.0
Remarks: For your approval		_
	submitted items have been reviewed in detail and are com ontract Drawings and Specifications except as noted by th	
(Contractor Signature)		
For Brown & Gay Engir	neers, Inc. use only:	
Date Received:		
Record No.:		
Submittal No.:		
Comments:	SHOP DRAWINGS IV NO EXCEPTIONS TAKEN SUBMIT SPECIFIED ITEM FOR	
	REVISE AS NOTED REVISE AND RESUBMIT Chacteng is only for general conformance with the design concept of project and general compliance with the Contract Documents. Contract in responsible for confirming and correlating dimensions at job and dimensions which pertains to fabrication processing and/or con-	
	Taking of shop drawings shall not relieve Contractor, any Subsentiation of Material Supplier of responsibility for deviation from	
M: 5/18/2006 P: 3/11/2015	BROWN & GAY ENGINEERS INC	01330 - 5 / 5

Submittal # 1 Date: 04/27/16

Submittal to: Nunn Constructors

23602 Botkins Hockley, TX 77447

Project: Meadows at Cypress Creek - Well No. 1

Submittal by: Weisinger Incorporated

P.O. Box 2848 Conroe, TX 77305

Type Submittal: Submersible Pumping Equipment

Certification Statement:

By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data and I have checked and coordinated each item with other approved shop drawings and contract requirements.

Michael Weisinger

Project Manager

Weisinger Incorporated

Submersible Pump Data Sheet WEISINGER INCORPORATED CONDITIONS 4" NPT **DESIGN POINT** 250 US GPM @ 362 FT. T.D.H. **PUMP** MANUF. Grundfos TYPE 300S300-9-B STAGES 9 51.1 in. SHAFT O.D. _____1" AIRLINE X YES NO 400 LENGTH, FT. – 5.79 in. DEPTH GAUGE X YES NO 90.4 in. MOTOR 40 H.P. 3 PHASE 60 CYCLE 460 VOLTS 3440 RPM 53.9 AMPS MANUF. Grundfos **CABLE** 39.25 in. SIZE #4 LENGTH, FT. 420 TYPE flat jacketed 5.49 in. COLUMN SIZE, IN. 4" LENGTH, FT. 400 TYPE Galvanized Steel T&C **MATERIALS** BOWLS Type 304 Stainless Steel MOTOR BRKT. Type 304 Stainless Steel IMPELLERS Type 304 Stainless Steel DISCH. BRKT. Type 304 Stainless Steel BOWL SHAFT Type 431 Stainless Steel INTAKE SCREEN Type 304 Stainless Steel BOWL BRGS. NBR/Type 316 Stainless Steel MOTOR CPLG. Type 316/329 Stainless Steel CABLE GUARD Type 304 Stainless Steel IMP. COLLETS Type 304 Stainless Steel BOLTING Type 304 Stainless Steel **CUSTOMER Meadows at Cypress Creek** REMARKS Well No. 1 FURNISHED BY ___ Weisinger Incorporated Woter Resource Professioneia P.O. Box 2848 Conroe, TX 77305

BY

MSW

DATE 4/25/2016



Created by:

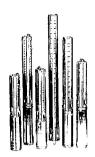
Phone: 281-209-1601

Date: 4/22/2016

Position | Qty. | Description

1 300S300-9-B

Meadows at Cypress Creek Well No. 1



Note! Product picture may differ from actual product

Product No.: 14B600C9

Multi-stage submersible pump for raw water supply,groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-agressive liquids without solid particles or fibres.

The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4301.

Liquid:

Pumped liquid: Water
Maximum liquid temperature: 104 °F
Liquid temp: 68 °F
Density: 62.29 lb/ft³

Technical:

Speed for pump data: 3450 rpm

Rated flow: 250 US GPM380 ft! Rated head: ISO9906:2012 3B

Curve tolerance:

Materials:

Impeller:

Pump: Stainless steel

EN 1.4301 AISI 304 Stainless steel

EN 1.4301 AISI 304

Installation:

Pump outlet: 4"NPT Motor diameter: 6 inch

Electrical data:

Rated power - P2: 30 HP
Power (P2) required by pump: 30 HP
Start. method: direct-on-line

Others:

ErP status: EuP Standalone/Prod.

Net weight: 59.1 lb Gross weight: 68.8 lb Shipping volume: 1.27 ft³

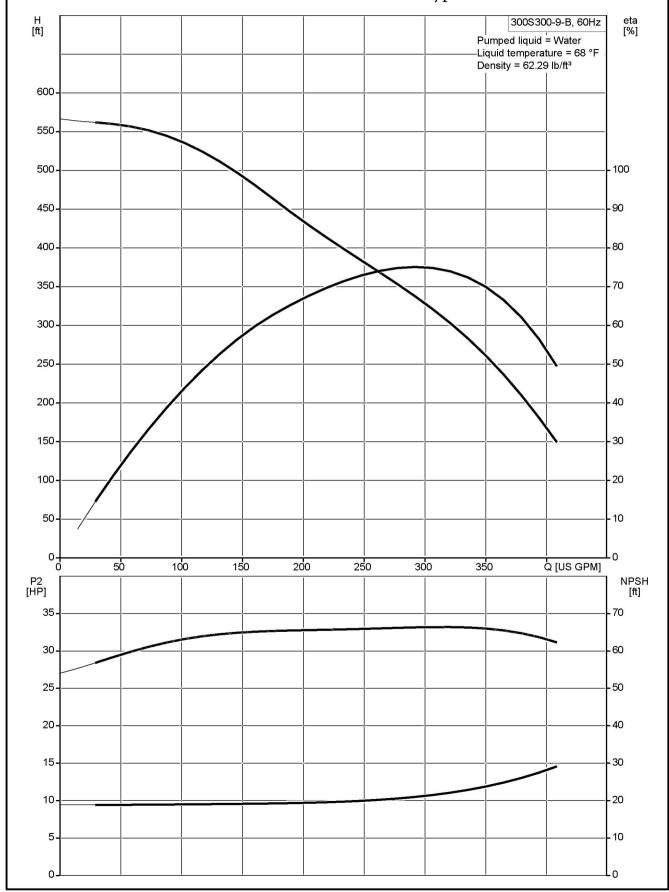


Created by:

Phone: 281-209-1601

Date: 4/22/2016

14B600C9 300S300-9-B 60 Hz Meadows at Cypress Creek Well No. 1



Meadows at Cypress Creek Well No. 1

GRUNDFOS X

Company name: PREFERRED PUMP

Created by:

Phone: 281-209-1601

Date: 4/22/2016

Description	Value	
General information:		
Product name:	300S300-9-B	
Product No:	14B600C9	
EAN number:	5700393970373	
Price:	On request	
Technical:		
Speed for pump data:	3450 rpm	
Rated flow:	250 US GPM	
Rated head:	381ft	
Impeller reduc.:	В	
Curve tolerance:	ISO9906:2012 3B	
Stages:	9	
Model:	В	
Valve:	YES	
Materials:		
Pump:	Stainless steel	
	EN 1.4301	
	AISI 304	
Impeller:	Stainless steel	
	EN 1.4301	
	AISI 304	
Installation:		
Dump outlet:	A"NDT	

Pump outlet: 4"NPT Motor diameter: 6 inch

Liquid:

Pumped liquid: Water

Maximum liquid temperature: 104 °F

Liquid temp: 68 °F

Density: 62.29 lb/ft³

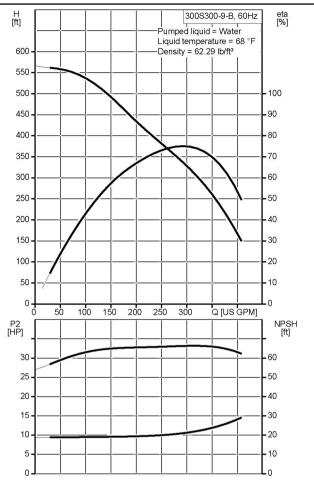
Electrical data:

Applic. motor: GRUNDFOS
Rated power - P2: 30 HP
Power (P2) required by pump: 30 HP
Start. method: direct-on-line

Others:

ErP status: EuP Standalone/Prod.

Net weight:59.1 lbGross weight:68.8 lbShipping volume:1.27 ft³Sales region:Namreg



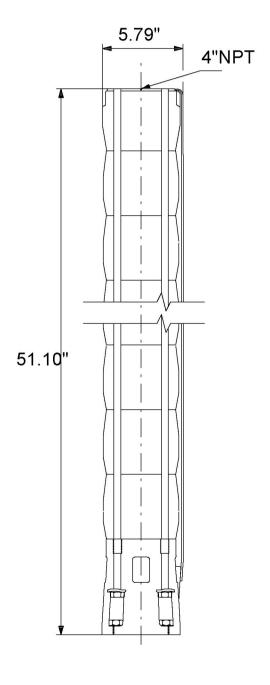


Created by:

Phone: 281-209-1601

Date: 4/22/2016

14B600C9 300S300-9-B 60 Hz



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Created by:

Phone: 281-209-1601

Date: 4/22/2016

Description Value

General information:

 Product name:
 MS6000QFT40

 Product No:
 96166170

 EAN number:
 5711498958487

 Price:
 On request

Technical:

Shaft seal for motor: SIC/SICNBR

CE approved (Yes/No): N
Model: C
Motor version: T40

Materials:

Motor: Stainless steel

DIN W.-Nr. 1.4301

AISI 304

Installation:

Maximum ambient pressure: 870 psi
Motor diameter: 6 inch
Staybolt: 1/2-20 UNF

Liquid:

Max liquid t at 0.15 m/sec: 104 °F
Min flow past motor 0.49 ft/s

Electrical data:

Motor type: MS6000
Rated power - P2: 40 HP
KVA code: H
Mains frequency: 60 Hz

Rated voltage: 3 x 440-460-480 V

Voltage tolerance: +6/-10 % Service factor: 1.15

Rated current: 65.0-62.0-61.0 A

Maximum current consumption: 65 A

 Starting current:
 470-520-560 %

 Cos phi - power factor:
 0.88-0.86-0.84

 Rated speed:
 3440-3460-3480 rpm

Rated full-load torque: 70.44 ft lb
Locked-rotor torque: 140-160-180 %
Breakdown torque: 240-270-300 %
Moment of inertia: 0.297 lb ft²
Axial load max: 59.5 lb
Start. method: direct-on-line
Enclosure class (IEC 34-5): IP68

Insulation class (IEC 34-5):

Insulation class (IEC 85):

Motor protec:

Thermal protec:

Built-in temp. transmitter:

Winding resistance

Ves

0.383 ohm

Others:

Net weight: 179 lb
Sales region: North America

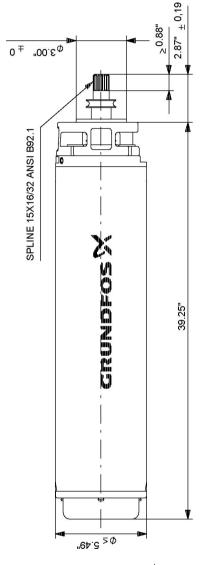


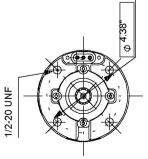
Created by:

Phone: 281-209-1601

Date: 4/22/2016

96166170 MS6000QFT40 60 Hz





Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

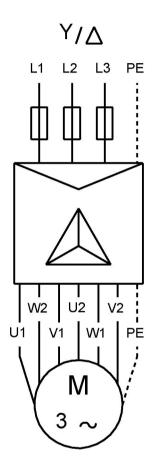


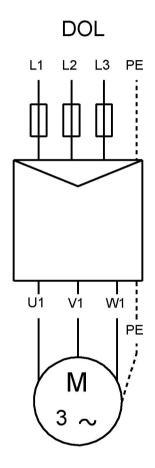
Created by:

Phone: 281-209-1601

Date: 4/22/2016

96166170 MS6000QFT40 60 Hz





U1, W2	Brown
V1, U2	Black
W1, V2	Grey

Note! All units are in [mm] unless others are stated.

5/04/2016	Submaraible Duma Data Chaet
NOTED BY	Submersible Pump Data Sheet WEISINGER INCORPORATED OFFICE WEISINGER INCORPORATED
NOTED BY JOHN NELBON, T LEG-BUY TON	CONDITIONS DESIGN POINT US GPM @ 362 FT. T.D.H.
51.1 in.	PUMP MANUF. Grundfos
39.25 in.	3440 RPM 53.9 AMPS MANUF. Grundfos CABLE SIZE #4 LENGTH, FT. 420 TYPE flat jacketed COLUMN SIZE, IN. 4" LENGTH, FT. 400 TYPE Galvanized Steel T&C
	MATERIALS
BOW BOW	BOWLS Type 304 Stainless Steel ELLERS Type 304 Stainless Steel SHAFT Type 431 Stainless Steel BRGS. NBR/Type 316 Stainless Steel DLLETS Type 304 Stainless Steel CABLE GUARD Type 304 Stainless Steel BOLTING Type 304 Stainless Steel
REMARKS	CUSTOMER Meadows at Cypress Creek Well No. 1
P.O. Box 2848 Conroe, TX 77305	ORATED FURNISHED BY Weisinger Incorporated
	BY MSW DATE 4/25/2016



Created by:

Phone:

281-209-1601

Date:

4/22/2016

Position | Qty. Description

300S300-9-B

Meadows at Cypress Creek Well No. 1



Note! Product picture may differ from actual product

Product No.: 14B600C9

Multi-stage submersible pump for raw water supply,groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-agressive liquids without solid particles or fibres.

The pump is made entirely of Stainless steel DIN W.-Nr. EN 1,4301.

Liquid:

Pumped liquid:

Water

Maximum liquid temperature:

104 °F

Liquid temp:

68 °F

Density:

62.29 lb/ft³

Technical:

Speed for pump data:

3450 rpm

Rated flow:

250 US GPM 380 ft!

Rated head:

ISO9906:2012 3B

Curve tolerance:

Materials:

Pump:

Stainless steel

EN 1.4301

AISI 304

Impeller:

Stainless steel

EN 1,4301

AISI 304

Installation:

Pump outlet:

4"NPT

Motor diameter:

6 inch

Electrical data:

Rated power - P2:

30 HP

Power (P2) required by pump:

30 HP

Start. method:

direct-on-line

Others:

ErP status:

EuP Standalone/Prod.

Net weight: Gross weight:

59.1 lb

Shipping volume:

68.8 lb

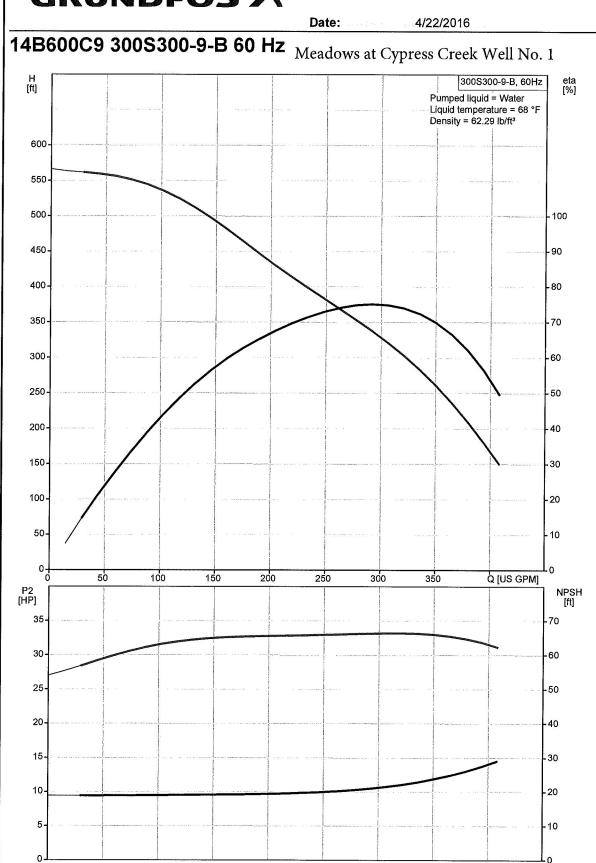
3/4



Company name: PREFERRED PUMP

Created by:

Phone: 281-209-1601



Meadows at Cypress Creek Well No. 1



Company name: PREFERRED PUMP

Created by:

Phone: 281-209-1601

Date:

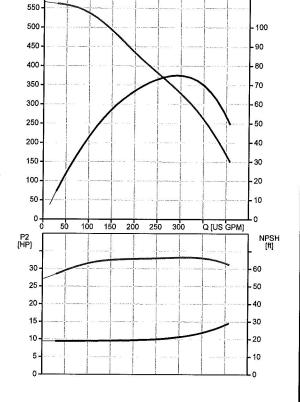
600

4/22/2016

300S300-9-B, 60Hz

Pumped liquid = Water Liquid temperature = 68 °F Density = 62.29 lb/ft³ eta [%]

Description	Value
General information:	
Product name:	300S300-9-B
Product No:	14B600C9
EAN number:	5700393970373
Price:	On request
Technical:	
Speed for pump data:	3450 rpm
Rated flow:	250 US GPM
Rated head:	381ft
Impeller reduc.:	В
Curve tolerance:	ISO9906:2012 3B
Stages:	9
Model:	В
Valve:	YES
Materials:	
Pump:	Stainless steel
	EN 1.4301
	AISI 304
Impeller:	Stainless steel
	EN 1.4301
	AISI 304



Installation: Pump outlet:

Pump outlet: 4"NPT Motor diameter: 6 inch

Liquid:

Pumped liquid: Water
Maximum liquid temperature: 104 °F
Liquid temp: 68 °F
Density: 62.29 lb/ft³

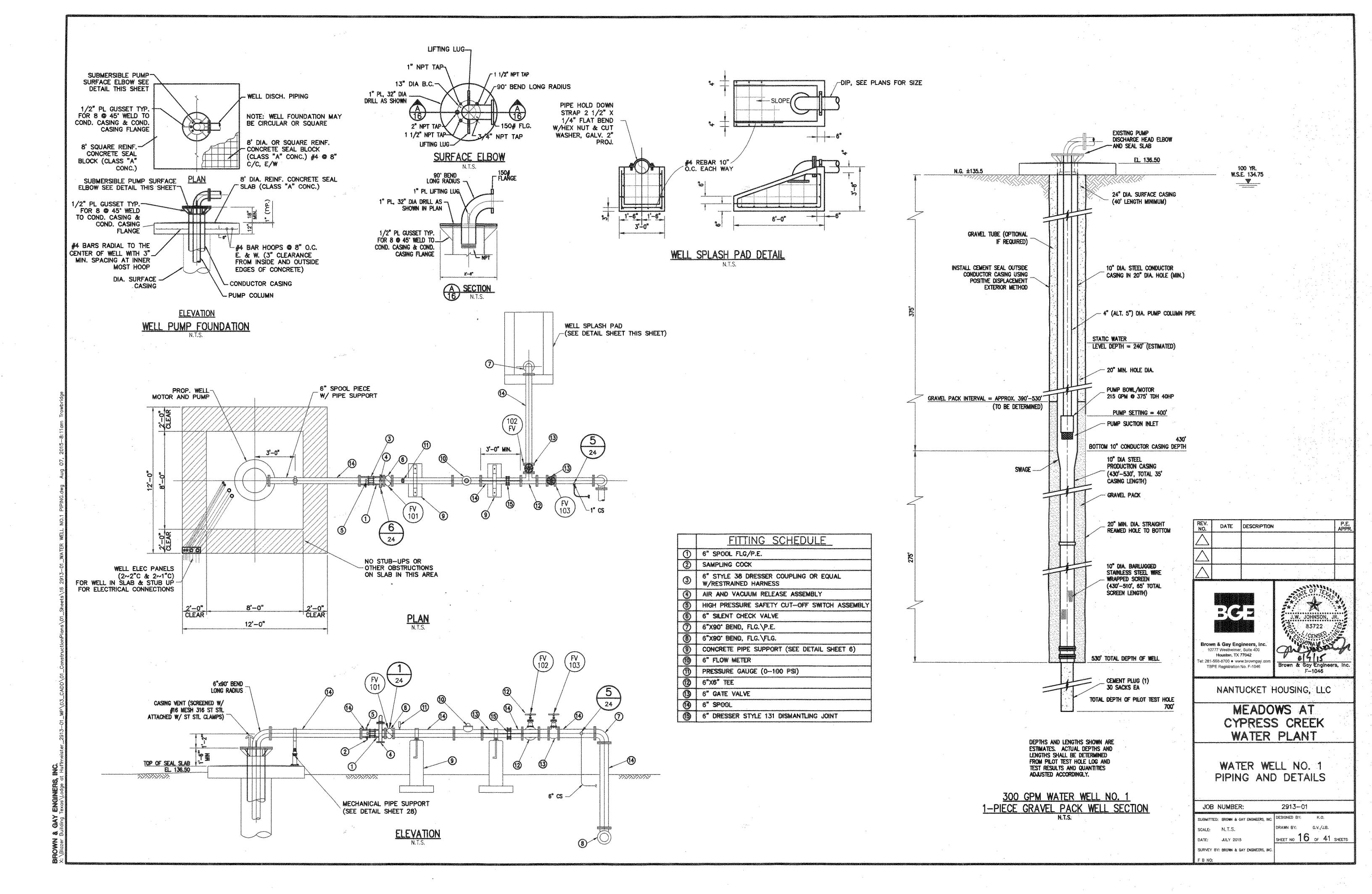
Electrical data:

Applic. motor: GRUNDFOS
Rated power - P2: 30 HP
Power (P2) required by pump: 30 HP
Start. method: direct-on-line

Others:

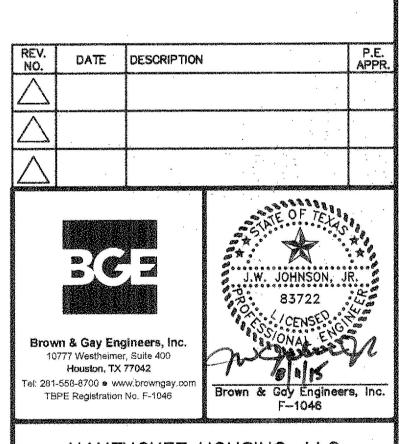
ErP status: EuP Standalone/Prod.
Net weight: 59.1 ib

Gross weight: 68.8 lb
Shipping volume: 1.27 ft³
Sales region: Namreg



300 GPM WATER WELL NO. 1
2-PIECE GRAVEL PACK WELL SECTION (ALTERNATE)
N.T.S.

DEPTHS AND LENGTHS SHOWN ARE ESTIMATES. ACTUAL DEPTHS AND LENGTHS SHALL BE DETERMINED FROM PILOT TEST HOLE LOG AND TEST RESULTS AND QUANTITIES ADJUSTED ACCORDINGLY.



NANTUCKET HOUSING, LLC

MEADOWS AT CYPRESS CREEK WATER PLANT

WATER WELL ALTERNATE

IOB N	IUMBER:	2913-01		rojamao:
MITTED:	BROWN & GAY ENGINEERS, INC.	DESIGNED BY:	K.0.	5000000000
LE:	N.T.S.	DRAWN BY:	G.V./J.B.	
E:	JULY 2015	SHEET NO 17	OF 41 SHE	ETS
VEY BY:	BROWN & GAY ENGINEERS, INC.	,		
No.				

OWN & GAY ENGINERS, INC.

NEW WELL- MATERIAL SETTING

Meadows at Cypress Creek Date: 2/24/2016

Customer: Work Order No.: 1715

Well Name: Water Well No. 1 Engineer: Brown & Gay Engineers, Inc.

Production well design: 10" Gravel pack: Premier Silica 12-20 Slot size (in.): 0.025" Gauge

Surface casing material: 10" x .365" WT Liner material: 10" x .365" WT Ream size (in.): 20"

DE	PTH (f	t.)	DESCRIPTION	BLANK LINER (ft.)	PIPE BASE SCREEN (ft.)
+2	-	435	10" x .365" wall blank casing		
435	-	472	10" s.s. pipe base screen		37
472	-	486	10" x .365" wall blank liner	14	
486	_	500	10" s.s. pipe base screen		14
500	-	510	10" x .365" wall blank liner	10	
510	-	535	10" s.s. pipe base screen		25
535	-	545	10" blank liner & B.P.V.	10	
550	-	580	Cement Plug		
			ТОТА	L MATERIALS	

Datum point (ft.): 12 ft. above ground level



Project: Meadows at Cypress Creek Well 1

<u>Date:</u> 02/04/16

<u>Dept</u>	h (ft.)	<u>Description</u>
0	60	clay
60	82	sand
82	125	clay
125	245	sand
245	280	clay
280	302	sand
302	387	clay
387	410	sand
410	435	clay
435	608	sand
608	634	clay
634	700	sand

CEMENTING CERTIFICATE Water Well

Driller: Weisinger Incorporated		
2200 East Davis		
Conroe, Texas 77301		
Project Name	Meadows at Cyress Creek	
County of Well Site	Harris Co.	
Well No	1	
Casing Cementing Data:	Surface casing:	
Cementing Date	16-Mar-16	
Drilled hole size	20"	
Est % wash or hole enlargement	30%	
Size of casing in OD	10"	
Top of the liner (ft)		
Setting Depth (ft)	430	
Number of centralizers used		
Hrs waiting on cement before drill-out		
First Slurry -		
API Cement used: No of Sacks	402	
Class	A	
Additives	gel	
Slurry pumped		
Volume (cu ft)	703	
Height (ft)	430	
Was cement circulated to ground surface		
(or bottom of cellar) outside casing?	Yes 10 BBLS	

Certified by:_		
7 -4	0/40/0040	
Date:	3/16/2016	

STATE OF TEXAS WELL REPORT for Tracking #427650

Owner: Nantucket Housing, LLC c/o Meadows

at Cypress Creek

Owner Well #:

Address:

1980 Post Oak Blvd

STE 1380

Latitude:

Grid #:

65-03-6

Houston, TX 77056

29° 57' 16" N

Well Location:

12321 Huffmeister Rd

Longitude:

095° 38' 04" W

Cypress, TX 77429

Elevation:

126 ft. above sea level

Well County:

Harris

Type of Work: **New Well** Proposed Use:

Public Supply

Drilling Start Date: 2/2/2016

Drilling End Date: 7/18/2016

Plans Approved by TCEQ - YES

Borehole:

	Diameter (in.)	Top Depth (ft.)	
Ì	36	0	
	20	0	
Ì	9.875	545	

52 545

700

Bottom Depth (ft.)

9.875

Mud (Hydraulic) Rotary

Borehole Completion:

Drilling Method:

Filter Packed; Screened; Straight Wall

Top Depth (ft.)	Bottom Depth (ft.)	
430	545	

Filter Material

Size

Filter Pack Intervals:

Gravel

12-20

Annular Seal Data:

Top Depth (ft.) 0

Bottom Depth (ft.)

Description (number of sacks & material)

430

Cement 402 Bags/Sacks

Seal Method: Positive Displacement

Distance to Septic Field or other

Sealed By: Driller

concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Distance to Property Line (ft.): No Data

Method of Verification: No Data

Surface Completion:

Surface Slab Installed

Surface Completion by Driller

Water Level:

240 ft. below land surface on 2016-07-15

Measurement Method: Electric Line

Packers:

No Data

Type of Pump:

Submersible

Pump Depth (ft.): 400

Well Tests:

Pump

Yield: 643 GPM with 58 ft. drawdown after 36 hours

Plug Information:	tion: Description (number of sacks & material)		Top Depth (ft.)	Bottom Depth (ft.)
	Се	Cement		580
	Strata Depth (ft.)	Water Type		
Water Quality:	435 - 535	Fresh	j	
		Chemical Analys	is Made: Yes	
		vingly penetrate any strat contained injurious const		

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Weisinger Incorporated

PO Box 2848 Conroe, TX 77305

Driller Name: Clint Gaskins License Number: 54561

Comments: Assistant Drillers:

Bobby Terry Rocky Peeples

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

		21	
Top (ft.)	Bottom (ft.)	Description	
0	60	Clay	
60	82	Sand	
82	125	Clay	
125	245	Sand	
245	280	Clay	
280	302	Sand	
302	387	Clay	
387	410	Sand	
410	435	Clay	
435	608	Sand	
608	634	Clay	
634	700	Sand/Clay	

Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
24	Conductor	New Grade B Carbon Steel	.250	0	52
10	Surface Casing	New Grade B Carbon Steel	.365	0	435
10	Screen	New Pipe Base Stainless Steel	.365 0.025	435	472
10	Blank	New Grade B Carbon Steel	.365	472	486
10	Screen	New Pipe Base Stainless Steel	.365 0.025	486	500
10	Blank	New Grade B Carbon Steel	.365	500	510
10	Screen	New Pipe Base Stainless Steel	.365 0.025	510	535
10	Blank Liner & BPV	New Grade B Carbon Steel	.365	535	545

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

Exhibit 4 – USGS Map
Corresponds to Public Well Completion Data Checklist,
Item 4

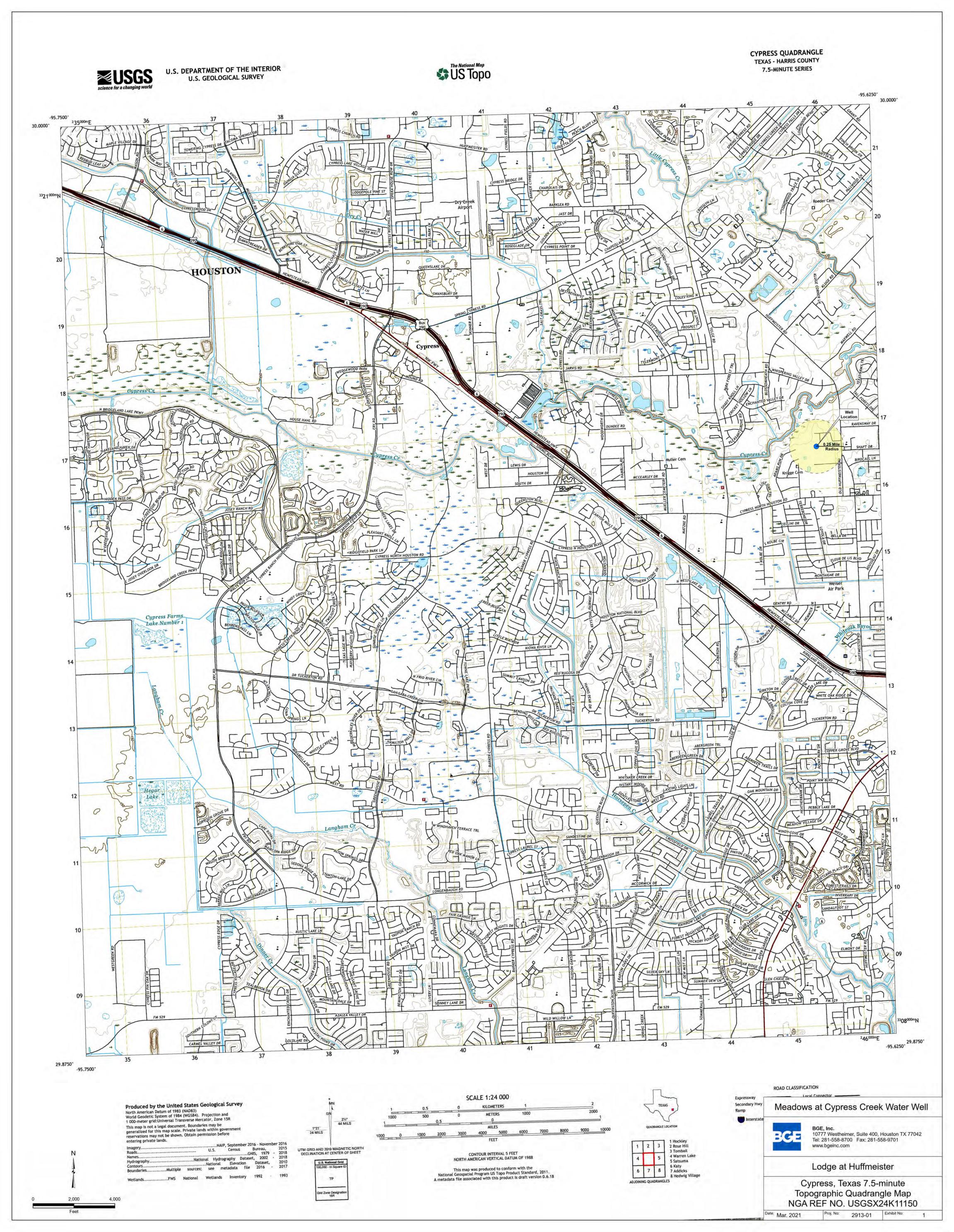


Exhibit 5 – 36-Hr Pump Test
Corresponds to Public Well Completion Data Checklist,
Item 5-i to 5-iv

WELL OWN Meadows at	IER Cypress Creel	k		WELL NAME / NUMBER Well No 1				WELL LOCATION / STATE WELL NUMBER 12321 Huffmeister Rd. Cypress TX 77429			
MEASURIN	G POINT (M			100 100 100 100 100 100 100 100 100 100		JRER / BOW	L DATA	PUMP SETTII 400'		COLUMN / SHAFT / TUBING	
MOTOR SIZ Cummins 40	0 HP	8"x6" Orif	ice and E-l	EVEL MEASURING EQUIPMENT line					TESTING PERSONNEL B. Terry/J. Aguirre/L. Mosely/R. Peeples/N. Barrientas/E. Cowart		
	Orifice	Well	Static	Pumping	***	TD 1:1:	DC	T		ACII. D. T.	
DATE &	Manometer Reading	Pumping Rate	Water Level	Water Level	pН	Turbidity	PS	Temp		36 Hour Pump Test	
TIME	(inches)	(gpm)	(feet)	(feet)				(∘F)		Remarks & Notes	
4/5/2016		(CI)		,				(- /			
10:00 PM			240.57							Clear/no sand	
10:05 PM	16.5	643		286.21						Clear/no sand	
10:10 PM	16.5	643		288.30						Clear/no sand	
10:15 PM	16.5	643		288.49						Clear/no sand	
10:20 PM	16.5	643		288.84						Clear/no sand	
10:25 PM	16.5	643		289.53						Clear/no sand	
10:30 PM	16.5	643		290.38						Clear/no sand	
10:40 PM	16.5	643		291.89						Clear/no sand	
10:50 PM	16.5	643		293.06						Clear/no sand	
11:00 PM	16.5	643		293.65						Clear/no sand	
11:15 PM	16.5	643		294.21						Clear/no sand	
11:30 PM	16.5	643		294.34						Clear/no sand	
11:45 PM	16.5	643		294.83						Clear/no sand	
12:00 AM	16.5	643		295.13						Clear/no sand	
12:15 AM	16.5	643		295.25						Clear/no sand	
12:30 AM	16.5	643		295.43						Clear/no sand	
12:45 AM	16.5	643		295.46						Clear/no sand	
1:00 AM	16.5	643		295.53						Clear/no sand	
1:05 AM	16.5	643		295.46						Clear/no sand	
1:10 AM	16.5	643		295.53						Clear/no sand	
1:15 AM	16.5	643		295.60						Clear/no sand	
1:30 AM	16.5	643		290.76						Clear/no sand	
1:45 AM	16.5	643		295.85						Clear/no sand	
2:00 AM	16.5	643		296.08						Clear/no sand	
2:15 AM	16.5	643		296.20						Clear/no sand	

WELL OWN Meadows at	IER Cypress Creel	ζ.		WELL NAM Well No 1	⁄IЕ / NUM	BER		WELL LOCATION / STATE WELL NUMBER 12321 Huffmeister Rd. Cypress TX 77429		
MEASURIN	G POINT (M	P) & HEIGI	łΤ	PUMP MAN	NUFACTU	JRER / BOW	L DATA	400'	COLUMN / SHAFT / TUBING	
MOTOR SIZE/SPEED FLOW & WATER-LE Cummins 400 HP 8"x6" Orifice and E-lin					SURING E	QUIPMENT		TESTING PERSONNEL B. Terry/J. Aguirre/L. Mosely/R. Peeples/N. Barrientas/E. Cowart		
	Orifice	Well	Static	Pumping				, ,	V 1	
	Manometer	Pumping	Water	Water	pН	Turbidity	PS	Temp	36 Hour Pump Test	
DATE &	Reading	Rate	Level	Level		,			•	
TIME	(inches)	(gpm)	(feet)	(feet)				(∘F)	Remarks & Notes	
2:30 AM	16.5	643		296.42					Clear/no sand	
2:45 AM	16.5	643		296.65					Clear/no sand	
3:00 AM	16.5	643		296.73					Clear/no sand	
3:15 AM	16.5	643		296.85					Clear/no sand	
3:30 AM	16.5	643		296.94					Clear/no sand	
3:45 AM	16.5	643		296.90					Clear/no sand	
4:00 AM	16.5	643		296.93					Clear/no sand	
4:15 AM	16.5	643		297.10					Clear/no sand	
4:30 AM	16.5	643		297.17					Clear/no sand	
4:45 AM	16.5	643		297.19					Clear/no sand	
5:00 AM	16.5	643		297.31					Clear/no sand	
5:15 AM	16.5	643		297.19					Clear/no sand	
5:30 AM	16.5	643		297.30					Clear/no sand	
5:45 AM	16.5	643		297.29					Clear/no sand	
6:00 AM	16.5	643		297.33					Clear/no sand	
6:15 AM	16.5	643		297.28					Clear/no sand	
6:30 AM	16.5	643		297.32					Clear/no sand	
6:45 AM	16.5	643		297.40					Clear/no sand	
7:00 AM	16.5	643		297.35					Clear/no sand	
7:15 AM	16.5	643		297.30					Clear/no sand	
7:30 AM	16.5	643		297.20					Clear/no sand	
7:45 AM	16.5	643		297.41					Clear/no sand	
8:00 AM	16.5	643		297.32					Clear/no sand	
8:15 AM	16.5	643		297.30					Clear/no sand	
8:30 AM	16.5	643		297.30					Clear/no sand	
8:45 AM	16.5	643		297.30					Clear/no sand	
9:00 AM	16.5	643		296.85					Clear/no sand	

WELL OWN Meadows at	ER Cypress Creel	ζ.		WELL NAN Well No 1	ME / NUM	BER		WELL LOCATION / STATE WELL NUMBER 12321 Huffmeister Rd. Cypress TX 77429		
MEASURIN	G POINT (M	P) & HEIGH	ΗT	PUMP MAN	IUFACTU	JRER / BOW	L DATA	PUMP SETT 400'		
MOTOR SIZE/SPEED Cummins 400 HP		FLOW & WATER-L 8"x6" Orifice and E-li						TESTING PERSONNEL B. Terry/J. Aguirre/L. Mosely/R. Peeples/N. Barrientas/E. Cowart		
	Orifice	Well	Static	Pumping	TT	T 1:1:	DC	T	26 H D T 4	
DATE &	Manometer Reading	Pumping Rate	Water Level	Water Level	pН	Turbidity	PS	Temp	36 Hour Pump Test	
TIME	(inches)	(gpm)	(feet)	(feet)				(∘F)	Remarks & Notes	
9:15 AM	16.5	643	()	297.05				(' '	Clear/no sand	
9:30 AM	16.5	643		297.20					Clear/no sand	
9:45 AM	16.5	643		297.35					Clear/no sand	
10:00 AM	16.5	643		297.67					Clear/no sand	
10:15 AM	16.5	643		297.82					Clear/no sand	
10:30 AM	16.5	643		297.72					Clear/no sand	
10:45 AM	16.5	643		297.89					Clear/no sand	
11:00 AM	16.5	643		297.90					Clear/no sand	
11:15 AM	16.5	643		298.00					Clear/no sand	
11:30 AM	16.5	643		298.02					Clear/no sand	
11:45 AM	16.5	643		298.05					Clear/no sand	
12:00 PM	16.5	643		297.85					Clear/no sand	
12:15 PM	16.5	643		298.52					Clear/no sand	
12:30 PM	16.5	643		298.57					Clear/no sand	
12:45 PM	16.5	643		298.61					Clear/no sand	
1:00 PM	16.5	643		298.67					Clear/no sand	
1:15 PM	16.5	643		298.43					Clear/no sand	
1:30 PM	16.5	643		298.25					Clear/no sand	
1:45 PM	16.5	643		298.49					Clear/no sand	
2:00 PM	16.5	643		298.50					Clear/no sand	
2:15 PM	16.5	643		298.31					Clear/no sand	
2:30 PM	16.5	643		298.21					Clear/no sand	
2:45 PM	16.5	643		298.87					Clear/no sand	
3:00 PM	16.5	643		298.37					Clear/no sand	
3:15 PM	16.5	643		298.27					Clear/no sand	
3:30 PM	16.5	643		298.53					Clear/no sand	
3:45 PM	16.5	643		298.38					Clear/no sand	

WELL OWN Meadows at	ER Cypress Creel	k		WELL NAN Well No 1	ME / NUM	IBER		WELL LOCATION / STATE WELL NUMBER 12321 Huffmeister Rd. Cypress TX 77429		
	G POINT (M	<u>, </u>				JRER / BOW		PUMP SETT 400'		
MOTOR SIZE/SPEED Cummins 400 HP		FLOW & WATER-L 8"x6" Orifice and E-li						TESTING PERSONNEL B. Terry/J. Aguirre/L. Mosely/R. Peeples/N. Barrientas/E. Cowart		
	Orifice	Well	Static Water	Pumping	тт	T1-1-114	PS	Т	26 Harry Davis Tark	
DATE &	Manometer Reading	Pumping Rate	Level	Water Level	pН	Turbidity	P8	Temp	36 Hour Pump Test	
TIME	(inches)	(gpm)	(feet)	(feet)				(∘F)	Remarks & Notes	
4:00 PM	16.5	643		298.65					Clear/no Sand	
4:15 PM	16.5	643		298.58					Clear/no Sand	
4:30 PM	16.5	643		298.45					Clear/no Sand	
4:45 PM	16.5	643		298.30					Clear/no Sand	
5:00 PM	16.5	643		298.35					Clear/no Sand	
5:15 PM	16.5	643		298.48					Clear/no Sand	
5:30 PM	16.5	643		298.50					Clear/no Sand	
5:45 PM	16.5	643		299.00					Clear/no Sand	
6:00 PM	16.5	643		298.75					Clear/no Sand	
6:15 PM	16.5	643		299.25					Clear/no Sand	
6:30 PM	16.5	643		299.14					Clear/no Sand	
6:45 PM	16.5	643		299.22					Clear/no Sand	
7:00 PM	16.5	643		299.40					Clear/no Sand	
7:15 PM	16.5	643		299.50					Clear/no Sand	
7:30 PM	16.5	643		299.58					Clear/no Sand	
7:45 PM	16.5	643		299.64					Clear/no Sand	
8:00 PM	16.5	643		299.79					Clear/no Sand	
8:15 PM	16.5	643		299.88					Clear/no Sand	
8:30 PM	16.5	643		299.97					Clear/no Sand	
8:45 PM	16.5	643		300.20					Clear/no Sand	
9:00 PM	16.5	643		300.23					Clear/no Sand	
9:15 PM	16.5	643		300.22					Clear/no Sand	
9:30 PM	16.5	643		300.26					Clear/no Sand	
9:45 PM	16.5	643		300.31					Clear/no Sand	
10:00 PM	16.5	643		300.37					Clear/no Sand	
10:15 PM	16.5	643		300.25					Clear/no Sand	
10:30 PM	16.5	643		300.26					Clear/no Sand	