

# **APPENDIX A**

**VALIDATED GROSS ALPHA AND GROSS BETA PARTICULATE RESULTS**

Validated Gross Alpha and Gross Beta Air Particulate Results										
Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	5/27/2015	pCi/m <sup>3</sup>	1.45E-03		2.84E-05	1.83E-04	1.84E-02	J+	1.33E-04	2.55E-03
ENGWESA002	5/28/2015	pCi/m <sup>3</sup>	1.54E-03		3.73E-05	1.92E-04	1.94E-02	J+	1.62E-04	2.69E-03
ENGWESA003	5/28/2015	pCi/m <sup>3</sup>	1.52E-03		3.57E-05	1.90E-04	2.05E-02	J+	1.36E-04	2.84E-03
ENGWESA004	5/28/2015	pCi/m <sup>3</sup>	1.28E-03		3.37E-05	1.62E-04	1.76E-02	J+	1.27E-04	2.44E-03
ENGWESA005	5/27/2015	pCi/m <sup>3</sup>	1.40E-03		2.80E-05	1.76E-04	1.73E-02	J+	1.31E-04	2.41E-03
ENGWESA006	5/27/2015	pCi/m <sup>3</sup>	1.75E-03		3.76E-05	2.15E-04	1.92E-02	J+	1.63E-04	2.66E-03
ENGWESA007	5/27/2015	pCi/m <sup>3</sup>	1.37E-03		1.77E-05	1.75E-04	1.74E-02	J+	1.58E-04	2.42E-03
ENGWESA008	5/27/2015	pCi/m <sup>3</sup>	1.50E-03		2.77E-05	1.88E-04	1.89E-02	J+	1.66E-04	2.62E-03
ENGWESA009	5/28/2015	pCi/m <sup>3</sup>								
ENGWESA010	5/28/2015	pCi/m <sup>3</sup>	1.09E-03		3.66E-05	1.41E-04	1.53E-02	J+	1.59E-04	2.13E-03
ENGWESA011	5/27/2015	pCi/m <sup>3</sup>	1.95E-03		1.66E-05	2.37E-04	2.16E-02	J+	1.48E-04	3.00E-03
ENGWESA012	5/27/2015	pCi/m <sup>3</sup>	1.58E-03		2.77E-05	1.97E-04	2.15E-02	J+	1.66E-04	2.99E-03
ENGWESA013	5/27/2015	pCi/m <sup>3</sup>	1.40E-03		2.93E-05	1.78E-04	1.86E-02	J+	1.37E-04	2.59E-03
ENGWESA013 FD	5/27/2015	pCi/m <sup>3</sup>	1.81E-03		1.71E-05	2.22E-04	2.07E-02	J+	1.53E-04	2.87E-03
ENGWESA001	6/24/2015	pCi/m <sup>3</sup>	2.08E-03	J+	1.21E-04	2.52E-04	1.95E-02	J+	1.79E-04	2.71E-03
ENGWESA002	6/24/2015	pCi/m <sup>3</sup>	2.42E-03	J+	1.14E-04	2.88E-04	1.95E-02	J+	1.78E-04	2.71E-03
ENGWESA003	6/24/2015	pCi/m <sup>3</sup>	2.43E-03	J+	1.17E-04	2.90E-04	2.27E-02	J+	1.76E-04	3.15E-03
ENGWESA004	6/24/2015	pCi/m <sup>3</sup>	2.34E-03	J+	1.14E-04	2.80E-04	2.20E-02	J+	1.64E-04	3.06E-03
ENGWESA005	6/23/2015	pCi/m <sup>3</sup>	2.11E-03	J+	1.20E-04	2.56E-04	1.99E-02	J+	1.45E-04	2.76E-03
ENGWESA006	6/24/2015	pCi/m <sup>3</sup>	5.27E-04	J+	1.13E-04	7.93E-05	4.06E-03	J+	1.74E-04	5.74E-04
ENGWESA007	6/23/2015	pCi/m <sup>3</sup>	2.57E-03	J+	1.23E-04	3.07E-04	2.09E-02	J+	1.88E-04	2.90E-03
ENGWESA008	6/23/2015	pCi/m <sup>3</sup>	2.45E-03	J+	1.24E-04	2.93E-04	2.56E-02	J+	1.43E-04	3.55E-03
ENGWESA009	6/23/2015	pCi/m <sup>3</sup>	2.43E-03	J+	1.80E-04	3.00E-04	2.21E-02	J+	1.96E-04	3.07E-03
ENGWESA010	6/23/2015	pCi/m <sup>3</sup>	2.41E-03	J+	1.37E-04	2.90E-04	2.13E-02	J+	2.13E-04	2.96E-03
ENGWESA011	6/23/2015	pCi/m <sup>3</sup>	2.32E-03	J+	1.35E-04	2.80E-04	2.03E-02	J+	1.42E-04	2.82E-03
ENGWESA012	6/23/2015	pCi/m <sup>3</sup>	2.54E-03	J+	1.19E-04	3.02E-04	2.19E-02	J+	1.26E-04	3.03E-03
ENGWESA012 FD	6/23/2015	pCi/m <sup>3</sup>	2.46E-03	J+	1.13E-04	2.93E-04	2.19E-02	J+	1.45E-04	3.04E-03
ENGWESA013	6/23/2015	pCi/m <sup>3</sup>	2.71E-03	J+	1.12E-04	3.21E-04	2.27E-02	J+	1.55E-04	3.15E-03
ENGWESA001	7/22/2015	pCi/m <sup>3</sup>	3.39E-03		1.20E-04	3.95E-04	2.36E-02		2.40E-04	3.27E-03
ENGWESA002										
ENGWESA003	7/23/2015	pCi/m <sup>3</sup>	3.27E-03		1.22E-04	3.81E-04	2.42E-02		2.50E-04	3.36E-03
ENGWESA004	7/23/2015	pCi/m <sup>3</sup>	3.85E-03		1.19E-04	4.44E-04	2.57E-02		2.00E-04	3.56E-03
ENGWESA005	7/22/2015	pCi/m <sup>3</sup>	4.42E-03		1.43E-04	5.08E-04	2.60E-02		2.15E-04	3.60E-03
ENGWESA006	7/22/2015	pCi/m <sup>3</sup>	3.45E-03		1.29E-04	4.02E-04	2.27E-02		2.18E-04	3.15E-03
ENGWESA007	7/22/2015	pCi/m <sup>3</sup>	2.29E-03		1.33E-04	2.75E-04	1.56E-02		1.78E-04	2.17E-03
ENGWESA008	7/22/2015	pCi/m <sup>3</sup>	4.57E-03		1.54E-04	5.27E-04	2.82E-02		2.43E-04	3.91E-03
ENGWESA009	7/23/2015	pCi/m <sup>3</sup>	3.38E-03		1.25E-04	3.94E-04	2.34E-02		2.23E-04	3.25E-03
ENGWESA010	7/22/2015	pCi/m <sup>3</sup>	3.22E-03		1.33E-04	3.78E-04	2.03E-02		2.01E-04	2.82E-03
ENGWESA011	7/22/2015	pCi/m <sup>3</sup>	4.07E-03		1.24E-04	4.69E-04	2.49E-02		1.73E-04	3.46E-03
ENGWESA011 FD	7/22/2015	pCi/m <sup>3</sup>	4.63E-03		1.26E-04	5.32E-04	2.72E-02		1.69E-04	3.77E-03
ENGWESA012	7/22/2015	pCi/m <sup>3</sup>	3.86E-03		1.21E-04	4.45E-04	2.40E-02		1.82E-04	3.33E-03
ENGWESA013	7/22/2015	pCi/m <sup>3</sup>	3.18E-03		1.23E-04	3.72E-04	2.12E-02		1.87E-04	2.94E-03

Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	8/19/2015	pCi/m3	3.49E-03	J+	1.18E-04	4.05E-04	3.39E-02	J+	1.83E-04	4.70E-03
ENGWESA002										
ENGWESA003	8/19/2015	pCi/m3	3.59E-03	J+	1.42E-04	4.20E-04	3.24E-02	J+	2.33E-04	4.49E-03
ENGWESA004	8/19/2015	pCi/m3	3.59E-03	J+	1.55E-04	4.21E-04	3.31E-02	J+	2.39E-04	4.58E-03
ENGWESA005	8/19/2015	pCi/m3	4.04E-03	J+	1.37E-04	4.66E-04	3.67E-02	J+	2.02E-04	5.09E-03
ENGWESA006	8/19/2015	pCi/m3	4.27E-03	J+	1.38E-04	4.95E-04	4.00E-02	J+	1.87E-04	5.53E-03
ENGWESA007	8/19/2015	pCi/m3	4.01E-03	J+	1.22E-04	4.63E-04	3.61E-02	J+	1.28E-04	5.00E-03
ENGWESA008	8/19/2015	pCi/m3	4.52E-03	J+	1.23E-04	5.19E-04	4.36E-02	J+	1.38E-04	6.04E-03
ENGWESA009	8/19/2015	pCi/m3	3.56E-03	J+	1.51E-04	4.18E-04	3.03E-02	J+	2.25E-04	4.20E-03
ENGWESA010	8/19/2015	pCi/m3	3.80E-03	J+	1.26E-04	4.42E-04	3.27E-02	J+	1.29E-04	4.53E-03
ENGWESA010 FD	8/19/2015	pCi/m3	4.25E-03	J+	1.31E-04	4.90E-04	3.41E-02	J+	1.38E-04	4.72E-03
ENGWESA011	8/19/2015	pCi/m3	2.10E-03	J+	1.40E-04	2.54E-04	2.05E-02	J+	1.39E-04	2.85E-03
ENGWESA012	8/19/2015	pCi/m3	4.26E-03	J+	1.19E-04	4.90E-04	3.84E-02	J+	1.07E-04	5.32E-03
ENGWESA013	8/19/2015	pCi/m3	3.69E-03	J+	1.53E-04	4.32E-04	3.37E-02	J+	1.74E-04	4.67E-03
ENGWESA001	9/16/2015	pCi/m3	5.31E-03	J+	1.79E-05	6.04E-04	4.45E-02	J+	2.33E-04	6.16E-03
ENGWESA002										
ENGWESA003	9/17/2015	pCi/m3	4.78E-03	J+	2.09E-05	5.46E-04	4.37E-02	J+	2.40E-04	6.05E-03
ENGWESA004	9/17/2015	pCi/m3	6.09E-03	J+	1.77E-05	6.90E-04	4.77E-02	J+	2.51E-04	6.60E-03
ENGWESA005	9/16/2015	pCi/m3	5.38E-03	J+	3.33E-05	6.13E-04	4.31E-02	J+	2.41E-04	5.97E-03
ENGWESA006	9/16/2015	pCi/m3	5.05E-03	J+	1.82E-05	5.77E-04	4.43E-02	J+	2.27E-04	6.13E-03
ENGWESA007	9/16/2015	pCi/m3	5.70E-03	J+	2.54E-05	6.48E-04	4.34E-02	J+	1.91E-04	6.02E-03
ENGWESA008	9/16/2015	pCi/m3	5.75E-03	J+	3.57E-05	6.53E-04	4.63E-02	J+	1.64E-04	6.41E-03
ENGWESA009	9/17/2015	pCi/m3	4.37E-03	J+	1.92E-05	4.99E-04	4.01E-02	J+	1.62E-04	5.55E-03
ENGWESA009 FD	9/17/2015	pCi/m3	4.26E-03	J+	3.95E-05	4.87E-04	3.58E-02	J+	1.55E-04	4.96E-03
ENGWESA010	9/17/2015	pCi/m3	4.46E-03	J+	3.14E-05	5.11E-04	3.80E-02	J+	2.28E-04	5.26E-03
ENGWESA011	9/16/2015	pCi/m3	6.16E-03	J+	2.68E-05	7.00E-04	4.76E-02	J+	1.87E-04	6.58E-03
ENGWESA012	9/17/2015	pCi/m3	5.72E-03	J+	3.29E-05	6.50E-04	4.46E-02	J+	2.32E-04	6.17E-03
ENGWESA013	9/17/2015	pCi/m3	5.23E-03	J+	2.52E-05	5.97E-04	3.90E-02	J+	1.66E-04	5.41E-03
ENGWESA001	10/14/2015	pCi/m3	4.72E-03	J+	1.83E-05	5.39E-04	3.86E-02	J+	1.52E-04	5.35E-03
ENGWESA002										
ENGWESA003	10/15/2015	pCi/m3	3.79E-03	J+	3.58E-05	4.38E-04	3.25E-02	J+	1.84E-04	4.50E-03
ENGWESA004	10/15/2015	pCi/m3	4.55E-03	J+	1.92E-05	5.22E-04	3.49E-02	J+	1.45E-04	4.83E-03
ENGWESA005	10/14/2015	pCi/m3	4.31E-03	J+	3.27E-05	4.95E-04	3.57E-02	J+	1.87E-04	4.95E-03
ENGWESA006	10/14/2015	pCi/m3	4.67E-03	J+	3.10E-05	5.35E-04	3.74E-02	J+	2.22E-04	5.18E-03
ENGWESA007	10/14/2015	pCi/m3	4.94E-03	J+	3.69E-05	5.65E-04	3.69E-02	J+	2.14E-04	5.11E-03
ENGWESA008	10/14/2015	pCi/m3	5.46E-03	J+	2.18E-05	6.21E-04	4.25E-02	J+	2.52E-04	5.89E-03
ENGWESA009	10/15/2015	pCi/m3	4.17E-03	J+	2.97E-05	4.79E-04	3.52E-02	J+	2.12E-04	4.87E-03
ENGWESA010	10/15/2015	pCi/m3	4.18E-03	J+	4.02E-05	4.83E-04	3.41E-02	J+	2.12E-04	4.73E-03
ENGWESA011	10/14/2015	pCi/m3	4.61E-03	J+	2.27E-05	5.29E-04	3.74E-02	J+	2.22E-04	5.18E-03
ENGWESA012	10/15/2015	pCi/m3	4.86E-03	J+	3.67E-05	5.56E-04	3.98E-02	J+	2.37E-04	5.51E-03
ENGWESA013	10/15/2015	pCi/m3	3.28E-03	J+	2.73E-05	3.82E-04	3.04E-02	J+	2.36E-04	4.21E-03
ENGWESA013 FD	10/15/2015	pCi/m3	3.24E-03	J+	2.51E-05	3.79E-04	3.08E-02	J+	1.98E-04	4.27E-03

## Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	11/9/2015	pCi/m3	3.01E-03	J+	4.55E-05	3.55E-04	3.28E-02	J+	2.55E-04	4.55E-03
ENGWESA002	11/9/2015	pCi/m3	3.15E-03	J+	4.75E-05	3.72E-04	3.25E-02	J+	2.66E-04	4.50E-03
ENGWESA003	11/9/2015	pCi/m3	3.44E-03	J+	5.26E-05	4.05E-04	3.54E-02	J+	2.58E-04	4.91E-03
ENGWESA004	11/9/2015	pCi/m3	3.40E-03	J+	2.41E-05	3.98E-04	3.88E-02	J+	2.12E-04	5.37E-03
ENGWESA005	11/9/2015	pCi/m3	3.69E-03	J+	3.28E-05	4.29E-04	3.71E-02	J+	2.66E-04	5.14E-03
ENGWESA006	11/9/2015	pCi/m3	3.63E-03	J+	5.82E-05	4.26E-04	3.68E-02	J+	2.48E-04	5.10E-03
ENGWESA007	11/9/2015	pCi/m3	3.04E-03	J+	4.54E-05	3.58E-04	3.18E-02	J+	2.15E-04	4.41E-03
ENGWESA007 FD	11/9/2015	pCi/m3	4.34E-03	J+	7.05E-05	5.11E-04	4.08E-02	J+	3.22E-04	5.65E-03
ENGWESA008	11/9/2015	pCi/m3	3.16E-03	J+	4.27E-05	3.70E-04	3.00E-02	J+	1.71E-04	4.15E-03
ENGWESA009	11/9/2015	pCi/m3	3.26E-03	J+	5.37E-05	3.85E-04	3.36E-02	J+	2.86E-04	4.65E-03
ENGWESA010	11/9/2015	pCi/m3	2.63E-03	J+	5.42E-05	3.16E-04	2.65E-02	J+	2.25E-04	3.68E-03
ENGWESA011	11/9/2015	pCi/m3	3.39E-03	J+	4.16E-05	3.97E-04	3.36E-02	J+	2.23E-04	4.66E-03
ENGWESA012	11/9/2015	pCi/m3	3.46E-03	J+	3.36E-05	4.05E-04	3.54E-02	J+	2.06E-04	4.90E-03
ENGWESA013	11/9/2015	pCi/m3	3.68E-03	J+	2.86E-05	4.30E-04	3.84E-02	J+	2.27E-04	5.31E-03
ENGWESA001	12/8/2015	pCi/m3	4.52E-03	J+	1.20E-04	5.17E-04	3.66E-02	J+	1.90E-04	5.07E-03
ENGWESA002	12/8/2015	pCi/m3	4.56E-03	J+	1.22E-04	5.22E-04	3.93E-02	J+	2.26E-04	5.44E-03
ENGWESA003	12/8/2015	pCi/m3	5.64E-03	J+	1.31E-04	6.41E-04	4.60E-02	J+	2.70E-04	6.36E-03
ENGWESA004	12/8/2015	pCi/m3	5.50E-03	J+	1.35E-04	6.27E-04	4.22E-02	J+	2.50E-04	5.84E-03
ENGWESA005	12/8/2015	pCi/m3	5.01E-03	J+	1.38E-04	5.72E-04	4.09E-02	J+	1.86E-04	5.67E-03
ENGWESA005 FD	12/8/2015	pCi/m3	5.77E-03	J+	1.44E-04	6.56E-04	4.28E-02	J+	2.02E-04	5.92E-03
ENGWESA006	12/8/2015	pCi/m3	4.89E-03	J+	1.21E-04	5.56E-04	3.80E-02	J+	1.75E-04	5.26E-03
ENGWESA007	12/8/2015	pCi/m3	4.31E-03	J+	1.31E-04	4.95E-04	3.71E-02	J+	1.71E-04	5.14E-03
ENGWESA008	12/8/2015	pCi/m3	5.12E-03	J+	1.32E-04	5.83E-04	4.27E-02	J+	2.33E-04	5.91E-03
ENGWESA009	12/8/2015	pCi/m3	4.57E-03	J+	1.29E-04	5.22E-04	3.62E-02	J+	1.79E-04	5.02E-03
ENGWESA010	12/8/2015	pCi/m3	3.15E-03	J+	1.20E-04	3.66E-04	2.60E-02	J+	2.04E-04	3.61E-03
ENGWESA011	12/8/2015	pCi/m3	5.68E-03	J+	1.22E-04	6.46E-04	4.48E-02	J+	1.87E-04	6.20E-03
ENGWESA012	12/8/2015	pCi/m3	5.49E-03	J+	1.21E-04	6.23E-04	3.79E-02	J+	1.59E-04	5.25E-03
ENGWESA013	12/8/2015	pCi/m3	5.61E-03	J+	1.21E-04	6.37E-04	4.43E-02	J+	2.29E-04	6.13E-03
ENGWESA001	1/7/2016	pCi/m3	4.64E-03	J+	1.17E-04	5.28E-04	3.67E-02	J+	1.30E-04	5.08E-03
ENGWESA002	1/7/2016	pCi/m3	4.57E-03	J+	1.02E-04	5.20E-04	3.66E-02	J+	1.68E-04	5.07E-03
ENGWESA003	1/7/2016	pCi/m3	4.84E-03	J+	1.00E-04	5.49E-04	3.82E-02	J+	1.35E-04	5.29E-03
ENGWESA004	1/7/2016	pCi/m3	4.54E-03	J+	1.00E-04	5.16E-04	3.57E-02	J+	1.16E-04	4.94E-03
ENGWESA005	1/8/2016	pCi/m3	4.61E-03	J+	9.47E-05	5.24E-04	3.55E-02	J+	1.24E-04	4.92E-03
ENGWESA005 FD	1/8/2016	pCi/m3	4.28E-03	J+	9.75E-05	4.87E-04	3.43E-02	J+	1.31E-04	4.75E-03
ENGWESA006	1/7/2016	pCi/m3	4.36E-03	J+	9.78E-05	4.96E-04	3.71E-02	J+	8.68E-05	5.14E-03
ENGWESA007	1/8/2016	pCi/m3	4.06E-03	J+	1.00E-04	4.63E-04	3.14E-02	J+	1.34E-04	4.35E-03
ENGWESA008	1/7/2016	pCi/m3	4.76E-03	J+	1.11E-04	5.41E-04	3.55E-02	J+	1.24E-04	4.91E-03
ENGWESA009	1/7/2016	pCi/m3	3.88E-03	J+	9.99E-05	4.43E-04	2.97E-02	J+	1.14E-04	4.12E-03
ENGWESA010	1/7/2016	pCi/m3	3.13E-03	J+	1.09E-04	3.66E-04	2.27E-02	J+	1.39E-04	3.14E-03
ENGWESA011	1/8/2016	pCi/m3	4.95E-03	J+	9.80E-05	5.61E-04	3.93E-02	J+	9.57E-05	5.44E-03
ENGWESA012	1/7/2016	pCi/m3	5.07E-03	J+	1.07E-04	5.76E-04	3.84E-02	J+	1.43E-04	5.32E-03
ENGWESA013	1/7/2016	pCi/m3	4.85E-03	J+	1.17E-04	5.50E-04	3.86E-02	J+	1.30E-04	5.34E-03

Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	2/3/2016	pCi/m3	4.18E-03	J+	2.76E-05	4.81E-04	3.38E-02	J+	1.10E-04	4.68E-03
ENGWESA002	2/4/2016	pCi/m3	4.02E-03	J+	2.34E-05	4.61E-04	3.49E-02	J+	1.02E-04	4.83E-03
ENGWESA003	2/4/2016	pCi/m3	4.49E-03	J+	3.99E-05	5.12E-04	3.73E-02	J+	1.75E-04	5.16E-03
ENGWESA004	2/4/2016	pCi/m3	4.67E-03	J+	3.61E-05	5.32E-04	3.76E-02	J+	1.16E-04	5.21E-03
ENGWESA004 FD	2/4/2016	pCi/m3	4.83E-03	J+	3.39E-05	5.51E-04	3.53E-02	J+	1.17E-04	4.89E-03
ENGWESA005	2/3/2016	pCi/m3	4.32E-03	J+	2.21E-05	4.96E-04	3.69E-02	J+	1.41E-04	5.11E-03
ENGWESA006	2/3/2016	pCi/m3	4.25E-03	J+	3.04E-05	4.88E-04	3.31E-02	J+	1.00E-04	4.59E-03
ENGWESA007	2/3/2016	pCi/m3	3.51E-03	J+	3.84E-05	4.07E-04	3.22E-02	J+	9.07E-05	4.46E-03
ENGWESA008	2/4/2016	pCi/m3	4.19E-03	J+	2.24E-05	4.79E-04	3.57E-02	J+	9.46E-05	4.94E-03
ENGWESA009	2/4/2016	pCi/m3	3.76E-03	J+	4.09E-05	4.33E-04	3.21E-02	J+	1.80E-04	4.45E-03
ENGWESA010	2/3/2016	pCi/m3	3.14E-03	J+	4.05E-05	3.68E-04	2.68E-02	J+	1.30E-04	3.71E-03
ENGWESA011	2/3/2016	pCi/m3	4.77E-03	J+	2.36E-05	5.47E-04	3.94E-02	J+	1.50E-04	5.46E-03
ENGWESA012	2/3/2016	pCi/m3	4.68E-03	J+	3.27E-05	5.35E-04	3.67E-02	J+	1.52E-04	5.09E-03
ENGWESA013	2/3/2016	pCi/m3	4.81E-03	J+	3.40E-05	5.49E-04	3.75E-02	J+	1.44E-04	5.20E-03
ENGWESA001	3/2/2016	pCi/m3	1.39E-03	J	1.01E-04	2.47E-04	9.25E-03	J+	1.45E-04	1.30E-03
ENGWESA002	3/3/2016	pCi/m3	1.41E-03		9.06E-05	2.58E-04	1.03E-02	J+	2.14E-04	1.45E-03
ENGWESA003	3/3/2016	pCi/m3	1.23E-03		1.35E-04	2.16E-04	1.14E-02	J+	2.60E-04	1.60E-03
ENGWESA003 FD	3/3/2016	pCi/m3	1.64E-03		1.31E-04	2.59E-04	1.25E-02	J+	2.99E-04	1.76E-03
ENGWESA004	3/3/2016	pCi/m3	2.43E-03		7.52E-05	3.84E-04	1.11E-02	J+	1.88E-04	1.56E-03
ENGWESA005	3/2/2016	pCi/m3	2.52E-03		8.99E-05	3.93E-04	1.17E-02	J+	1.69E-04	1.64E-03
ENGWESA006	3/2/2016	pCi/m3	5.71E-04		8.54E-05	1.56E-04	5.77E-03	J+	2.88E-04	8.30E-04
ENGWESA007	3/2/2016	pCi/m3	2.10E-03		1.26E-04	3.44E-04	1.13E-02	J+	3.22E-04	1.59E-03
ENGWESA008	3/3/2016	pCi/m3	1.95E-03		1.38E-04	3.05E-04	1.33E-02	J+	2.75E-04	1.86E-03
ENGWESA009	3/3/2016	pCi/m3	1.46E-03		1.10E-04	2.81E-04	9.97E-03	J+	2.62E-04	1.41E-03
ENGWESA010	3/2/2016	pCi/m3	1.58E-03		1.27E-04	2.80E-04	9.79E-03	J+	3.56E-04	1.39E-03
ENGWESA011	3/2/2016	pCi/m3	6.56E-04		1.52E-04	1.48E-04	1.19E-02	J+	3.64E-04	1.67E-03
ENGWESA012	3/2/2016	pCi/m3	2.13E-03		1.55E-04	3.12E-04	1.54E-02	J+	3.43E-04	2.16E-03
ENGWESA013	3/2/2016	pCi/m3	3.55E-03		9.54E-05	5.05E-04	1.88E-02	J+	2.59E-04	2.62E-03
ENGWESA001	3/31/2016	pCi/m3	2.79E-03	J+	2.29E-05	3.25E-04	2.16E-02		1.66E-04	2.99E-03
ENGWESA002	3/30/2016	pCi/m3	3.15E-03	J+	2.34E-05	3.67E-04	2.45E-02		1.94E-04	3.40E-03
ENGWESA003	3/31/2016	pCi/m3	3.15E-03	J+	3.71E-05	3.65E-04	2.48E-02		2.31E-04	3.44E-03
ENGWESA004	3/31/2016	pCi/m3	3.07E-03	J+	1.75E-05	3.57E-04	2.10E-02		1.19E-04	2.91E-03
ENGWESA005	3/30/2016	pCi/m3	2.92E-03	J+	2.40E-05	3.40E-04	2.18E-02		1.74E-04	3.02E-03
ENGWESA006	3/31/2016	pCi/m3	2.90E-03	J+	2.28E-05	3.39E-04	2.19E-02		1.89E-04	3.03E-03
ENGWESA007	3/30/2016	pCi/m3	2.81E-03	J+	3.82E-05	3.29E-04	2.04E-02		2.38E-04	2.83E-03
ENGWESA008	3/31/2016	pCi/m3	3.15E-03	J+	1.74E-05	3.66E-04	2.15E-02		1.18E-04	2.99E-03
ENGWESA008 FD	3/31/2016	pCi/m3	3.25E-03	J+	3.92E-05	3.78E-04	2.29E-02		2.01E-04	3.17E-03
ENGWESA009	3/31/2016	pCi/m3	2.54E-03	J+	2.29E-05	2.97E-04	1.89E-02		1.66E-04	2.63E-03
ENGWESA010	3/30/2016	pCi/m3	2.85E-03	J+	1.85E-05	3.34E-04	2.09E-02		1.81E-04	2.90E-03
ENGWESA011	3/30/2016	pCi/m3	3.58E-03	J+	3.96E-05	4.15E-04	2.71E-02		1.86E-04	3.76E-03
ENGWESA012	3/30/2016	pCi/m3	3.24E-03	J+	2.31E-05	3.76E-04	2.26E-02		1.63E-04	3.13E-03
ENGWESA013	3/24/2016	pCi/m3	3.93E-03	J+	3.04E-05	4.59E-04	2.55E-02		2.58E-04	3.54E-03

## Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	4/27/2016	pCi/m3	2.48E-03	J+	1.18E-04	2.93E-04	2.31E-02	J+	1.23E-04	3.20E-03
ENGWESA002	4/27/2016	pCi/m3	2.77E-03	J+	1.06E-04	3.26E-04	2.37E-02	J+	1.26E-04	3.29E-03
ENGWESA003	4/27/2016	pCi/m3	2.82E-03	J+	1.04E-04	3.31E-04	2.75E-02	J+	1.50E-04	3.81E-03
ENGWESA004	4/27/2016	pCi/m3	2.72E-03	J+	1.06E-04	3.18E-04	2.47E-02	J+	1.37E-04	3.43E-03
ENGWESA004 FD	4/27/2016	pCi/m3	2.57E-03	J+	9.80E-05	3.02E-04	2.33E-02	J+	1.39E-04	3.23E-03
ENGWESA005	4/28/2016	pCi/m3	2.34E-03	J+	1.12E-04	2.78E-04	2.33E-02	J+	1.70E-04	3.23E-03
ENGWESA006	4/27/2016	pCi/m3	2.61E-03	J+	1.16E-04	3.10E-04	2.43E-02	J+	1.22E-04	3.37E-03
ENGWESA007	4/28/2016	pCi/m3	2.38E-03	J+	1.11E-04	2.82E-04	2.06E-02	J+	1.43E-04	2.86E-03
ENGWESA008	4/28/2016	pCi/m3	2.62E-03	J+	1.09E-04	3.08E-04	2.48E-02	J+	1.66E-04	3.43E-03
ENGWESA009	4/27/2016	pCi/m3	2.93E-03	J+	1.14E-04	3.44E-04	2.56E-02	J+	1.19E-04	3.54E-03
ENGWESA010	4/28/2016	pCi/m3	2.50E-03	J+	1.20E-04	2.97E-04	2.18E-02	J+	1.44E-04	3.03E-03
ENGWESA011	4/27/2016	pCi/m3	2.84E-03	J+	1.10E-04	3.33E-04	2.61E-02	J+	1.27E-04	3.62E-03
ENGWESA012	4/27/2016	pCi/m3	3.14E-03	J+	1.09E-04	3.65E-04	2.60E-02	J+	1.53E-04	3.60E-03
ENGWESA013	4/28/2016	pCi/m3	2.77E-03	J+	1.38E-04	3.28E-04	2.27E-02	J+	1.02E-04	3.15E-03
ENGWESA001	5/26/2016	pCi/m3	1.68E-03	J+	9.95E-05	2.04E-04	1.83E-02	J+	2.22E-04	2.54E-03
ENGWESA002	5/27/2016	pCi/m3	1.62E-03	J+	1.12E-04	1.99E-04	1.74E-02	J+	2.02E-04	2.42E-03
ENGWESA003	5/27/2016	pCi/m3	1.92E-03	J+	1.02E-04	2.30E-04	1.92E-02	J+	1.58E-04	2.66E-03
ENGWESA003 FD	5/27/2016	pCi/m3	1.69E-03	J+	1.05E-04	2.05E-04	1.74E-02	J+	1.96E-04	2.42E-03
ENGWESA004	5/27/2016	pCi/m3	1.92E-03	J+	1.07E-04	2.31E-04	1.76E-02	J+	1.91E-04	2.44E-03
ENGWESA005	5/26/2016	pCi/m3	1.90E-03	J+	9.88E-05	2.29E-04	1.98E-02	J+	1.42E-04	2.74E-03
ENGWESA006	5/26/2016	pCi/m3	1.85E-03	J+	1.08E-04	2.24E-04	1.83E-02	J+	1.55E-04	2.53E-03
ENGWESA007	5/26/2016	pCi/m3	2.19E-03	J+	1.11E-04	2.61E-04	1.79E-02	J+	1.81E-04	2.48E-03
ENGWESA008	5/26/2016	pCi/m3	2.29E-03	J+	1.33E-04	2.75E-04	1.99E-02	J+	1.79E-04	2.76E-03
ENGWESA009	5/27/2016	pCi/m3	1.79E-03	J+	1.11E-04	2.17E-04	1.67E-02	J+	1.69E-04	2.31E-03
ENGWESA010	5/27/2016	pCi/m3	1.74E-03	J+	1.14E-04	2.13E-04	1.66E-02	J+	1.56E-04	2.30E-03
ENGWESA011	5/27/2016	pCi/m3	2.12E-03	J+	1.06E-04	2.54E-04	1.91E-02	J+	1.76E-04	2.65E-03
ENGWESA012	5/26/2016	pCi/m3	2.31E-03	J+	1.12E-04	2.74E-04	2.02E-02	J+	2.00E-04	2.81E-03
ENGWESA013	5/27/2016	pCi/m3	2.10E-03	J+	9.77E-05	2.50E-04	2.09E-02	J+	1.74E-04	2.90E-03
ENGWESA001	6/23/2016	pCi/m3	3.58E-03	J+	1.70E-04	4.21E-04	2.92E-02	J+	3.31E-04	4.05E-03
ENGWESA002	6/23/2016	pCi/m3	3.26E-03	J+	1.18E-04	3.78E-04	2.62E-02	J+	1.79E-04	3.63E-03
ENGWESA002 FD	6/23/2016	pCi/m3	3.50E-03	J+	1.14E-04	4.05E-04	2.78E-02	J+	2.08E-04	3.86E-03
ENGWESA003	6/23/2016	pCi/m3	3.30E-03	J+	1.36E-04	3.85E-04	2.68E-02	J+	2.06E-04	3.72E-03
ENGWESA004	6/23/2016	pCi/m3	3.01E-03	J+	1.20E-04	3.51E-04	2.48E-02	J+	1.76E-04	3.43E-03
ENGWESA005	6/23/2016	pCi/m3	3.41E-03	J+	1.09E-04	3.95E-04	2.73E-02	J+	1.80E-04	3.78E-03
ENGWESA006	6/23/2016	pCi/m3	3.27E-03	J+	1.30E-04	3.80E-04	3.12E-02	J+	2.08E-04	4.33E-03
ENGWESA007	6/23/2016	pCi/m3	3.07E-03	J+	1.31E-04	3.59E-04	2.15E-02	J+	1.96E-04	2.98E-03
ENGWESA008	6/23/2016	pCi/m3	3.08E-03	J+	1.20E-04	3.59E-04	2.43E-02	J+	1.53E-04	3.36E-03
ENGWESA009	6/23/2016	pCi/m3	2.86E-03	J+	1.38E-04	3.39E-04	2.33E-02	J+	2.40E-04	3.23E-03
ENGWESA010	6/23/2016	pCi/m3	3.75E-03	J+	1.40E-04	4.38E-04	2.78E-02	J+	2.19E-04	3.85E-03
ENGWESA011	6/23/2016	pCi/m3	3.56E-03	J+	1.25E-04	4.14E-04	2.68E-02	J+	2.22E-04	3.72E-03
ENGWESA012	6/23/2016	pCi/m3	3.38E-03	J+	1.17E-04	3.92E-04	2.72E-02	J+	1.70E-04	3.77E-03
ENGWESA013	6/23/2016	pCi/m3	3.05E-03	J+	1.23E-04	3.54E-04	2.66E-02	J+	1.69E-04	3.69E-03

Validated Gross Alpha and Gross Beta Air Particulate Results										
Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	7/20/2016	pCi/m3	3.30E-03	J+	1.15E-04	3.84E-04	2.17E-02	J+	1.54E-04	3.01E-03
ENGWESA002	7/20/2016	pCi/m3	3.11E-03	J+	1.15E-04	3.64E-04	2.36E-02	J+	1.94E-04	3.27E-03
ENGWESA003	7/21/2016	pCi/m3	3.38E-03	J+	1.19E-04	3.91E-04	2.51E-02	J+	2.07E-04	3.47E-03
ENGWESA004	7/21/2016	pCi/m3	3.24E-03	J+	1.15E-04	3.76E-04	2.24E-02	J+	1.81E-04	3.11E-03
ENGWESA005	7/20/2016	pCi/m3	3.42E-03	J+	1.08E-04	3.95E-04	2.82E-02	J+	1.96E-04	3.91E-03
ENGWESA006	7/20/2016	pCi/m3	3.03E-03	J+	1.31E-04	3.57E-04	2.23E-02	J+	1.59E-04	3.09E-03
ENGWESA007	7/20/2016	pCi/m3	2.38E-03	J+	1.35E-04	2.85E-04	1.65E-02	J+	1.93E-04	2.29E-03
ENGWESA008	7/21/2016	pCi/m3	3.70E-03	J+	1.33E-04	4.29E-04	2.51E-02	J+	2.27E-04	3.48E-03
ENGWESA009	7/21/2016	pCi/m3	3.09E-03	J+	1.30E-04	3.63E-04	2.36E-02	J+	2.19E-04	3.28E-03
ENGWESA010	7/21/2016	pCi/m3	2.44E-03	J+	1.21E-04	2.89E-04	1.73E-02	J+	1.53E-04	2.40E-03
ENGWESA011	7/20/2016	pCi/m3	2.73E-03	J+	1.20E-04	3.22E-04	2.00E-02	J+	1.69E-04	2.78E-03
ENGWESA012	7/20/2016	pCi/m3	3.23E-03	J+	1.40E-04	3.77E-04	2.38E-02	J+	1.94E-04	3.30E-03
ENGWESA012 FD	7/20/2016	pCi/m3	3.89E-03	J+	1.24E-04	4.51E-04	2.57E-02	J+	2.19E-04	3.56E-03
ENGWESA013	7/20/2016	pCi/m3	3.00E-03	J+	1.28E-04	3.53E-04	2.09E-02	J+	1.62E-04	2.90E-03
ENGWESA001	8/17/2016	pCi/m3	3.49E-03	J+	3.42E-05	4.06E-04	2.61E-02	J+	2.08E-04	3.62E-03
ENGWESA002	8/19/2016	pCi/m3	3.64E-03	J+	6.18E-05	4.36E-04	2.48E-02	J+	3.22E-04	3.45E-03
ENGWESA003	8/19/2016	pCi/m3	2.97E-03	J+	3.12E-05	3.51E-04	2.42E-02	J+	2.70E-04	3.35E-03
ENGWESA004	8/19/2016	pCi/m3	2.49E-03	J+	3.33E-05	2.94E-04	2.21E-02	J+	1.81E-04	3.06E-03
ENGWESA005	8/17/2016	pCi/m3	3.20E-03	J+	1.60E-05	3.73E-04	2.41E-02	J+	1.85E-04	3.35E-03
ENGWESA006	8/19/2016	pCi/m3	3.07E-03	J+	2.91E-05	3.59E-04	2.33E-02	J+	1.98E-04	3.23E-03
ENGWESA007	8/17/2016	pCi/m3	1.47E-03	J+	4.88E-05	1.86E-04	1.28E-02	J+	2.43E-04	1.78E-03
ENGWESA008	8/17/2016	pCi/m3	3.11E-03	J+	3.26E-05	3.61E-04	2.56E-02	J+	1.96E-04	3.55E-03
ENGWESA009	8/19/2016	pCi/m3	2.56E-03	J+	4.33E-05	3.11E-04	2.01E-02	J+	2.07E-04	2.80E-03
ENGWESA010	8/19/2016	pCi/m3	2.09E-03	J+	2.00E-05	2.49E-04	1.68E-02	J+	2.14E-04	2.33E-03
ENGWESA011	8/19/2016	pCi/m3	2.99E-03	J+	2.77E-05	3.48E-04	2.25E-02	J+	1.61E-04	3.12E-03
ENGWESA012	8/17/2016	pCi/m3	3.48E-03	J+	4.31E-05	4.05E-04	2.75E-02	J+	2.11E-04	3.81E-03
ENGWESA013	8/19/2016	pCi/m3	2.80E-03	J+	3.19E-05	3.29E-04	2.32E-02	J+	1.53E-04	3.22E-03
ENGWESA013 FD	8/19/2016	pCi/m3	2.89E-03	J+	3.81E-05	3.39E-04	2.44E-02	J+	1.83E-04	3.39E-03
ENGWESA001	9/14/2016	pCi/m3	4.20E-03	J+	1.24E-04	4.82E-04	2.75E-02	J+	1.84E-04	3.82E-03
ENGWESA002	9/15/2016	pCi/m3	3.87E-03	J+	1.53E-04	4.54E-04	2.26E-02	J+	2.01E-04	3.14E-03
ENGWESA003	9/15/2016	pCi/m3	3.97E-03	J+	1.14E-04	4.59E-04	2.62E-02	J+	1.92E-04	3.63E-03
ENGWESA004	9/15/2016	pCi/m3	3.93E-03	J+	1.39E-04	4.55E-04	2.49E-02	J+	2.32E-04	3.46E-03
ENGWESA005	9/14/2016	pCi/m3	4.42E-03	J+	1.05E-04	5.05E-04	3.00E-02	J+	1.56E-04	4.16E-03
ENGWESA006	9/15/2016	pCi/m3	3.55E-03	J+	1.34E-04	4.12E-04	2.59E-02	J+	2.00E-04	3.59E-03
ENGWESA007	9/14/2016	pCi/m3	3.74E-03	J+	1.21E-04	4.33E-04	2.63E-02	J+	1.60E-04	3.65E-03
ENGWESA008	9/14/2016	pCi/m3	3.89E-03	J+	1.01E-04	4.47E-04	2.50E-02	J+	1.71E-04	3.46E-03
ENGWESA009	9/15/2016	pCi/m3	3.80E-03	J+	1.36E-04	4.41E-04	2.35E-02	J+	2.27E-04	3.25E-03
ENGWESA010	9/15/2016	pCi/m3	3.46E-03	J+	1.17E-04	4.02E-04	2.53E-02	J+	1.75E-04	3.51E-03
ENGWESA011	9/15/2016	pCi/m3	3.97E-03	J+	1.42E-04	4.60E-04	2.68E-02	J+	2.11E-04	3.72E-03
ENGWESA012	9/14/2016	pCi/m3	3.50E-03	J+	1.15E-04	4.06E-04	2.34E-02	J+	1.52E-04	3.25E-03
ENGWESA012 FD	9/14/2016	pCi/m3	3.88E-03	J+	1.07E-04	4.46E-04	2.92E-02	J+	2.12E-04	4.05E-03
ENGWESA013	9/15/2016	pCi/m3	4.17E-03	J+	1.18E-04	4.81E-04	2.64E-02	J+	1.99E-04	3.66E-03

Validated Gross Alpha and Gross Beta Air Particulate Results										
Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	10/19/2016	pCi/m3	5.13E-03	J+	3.09E-05	5.80E-04	3.55E-02	J+	1.29E-04	4.91E-03
ENGWESA002	10/19/2016	pCi/m3	4.60E-03	J+	4.32E-05	5.25E-04	3.46E-02	J+	1.99E-04	4.80E-03
ENGWESA003	10/19/2016	pCi/m3	5.95E-03	J+	2.83E-05	6.70E-04	3.98E-02	J+	1.18E-04	5.51E-03
ENGWESA004	10/19/2016	pCi/m3	4.85E-03	J+	1.58E-05	5.48E-04	3.35E-02	J+	1.24E-04	4.64E-03
ENGWESA005	10/19/2016	pCi/m3	5.46E-03	J+	2.37E-05	6.15E-04	3.57E-02	J+	1.48E-04	4.95E-03
ENGWESA006	10/19/2016	pCi/m3	5.11E-03	J+	3.49E-05	5.78E-04	3.58E-02	J+	1.73E-04	4.96E-03
ENGWESA007	10/19/2016	pCi/m3	5.68E-03	J+	2.87E-05	6.39E-04	4.35E-02	J+	2.00E-04	6.02E-03
ENGWESA008	10/19/2016	pCi/m3	5.82E-03	J+	2.24E-05	6.55E-04	3.95E-02	J+	1.84E-04	5.47E-03
ENGWESA009	10/19/2016	pCi/m3	4.07E-03	J+	3.16E-05	4.64E-04	3.00E-02	J+	1.79E-04	4.16E-03
ENGWESA010	10/19/2016	pCi/m3	5.82E-03	J+	2.78E-05	6.58E-04	3.84E-02	J+	1.74E-04	5.31E-03
ENGWESA011	10/19/2016	pCi/m3	5.46E-03	J+	3.38E-05	6.16E-04	3.76E-02	J+	1.68E-04	5.21E-03
ENGWESA011 FD	10/19/2016	pCi/m3	5.26E-03	J+	1.84E-05	5.94E-04	3.29E-02	J+	1.10E-04	4.55E-03
ENGWESA012	10/19/2016	pCi/m3	5.23E-03	J+	2.57E-05	5.88E-04	4.25E-02	J+	1.79E-04	5.88E-03
ENGWESA013	10/19/2016	pCi/m3	5.04E-03	J+	2.21E-05	5.69E-04	3.51E-02	J+	1.81E-04	4.86E-03
ENGWESA001	11/16/2016	pCi/m3	4.52E-03		8.92E-05	6.37E-04	2.44E-02	J+	4.14E-04	3.40E-03
ENGWESA002	11/16/2016	pCi/m3	3.31E-03		9.37E-05	4.81E-04	3.23E-02	J+	4.11E-04	4.49E-03
ENGWESA003	11/17/2016	pCi/m3	3.92E-03		8.68E-05	5.40E-04	3.34E-02	J+	3.60E-04	4.65E-03
ENGWESA004	11/17/2016	pCi/m3	2.57E-03		1.28E-04	3.70E-04	3.63E-02	J+	3.59E-04	5.04E-03
ENGWESA005	11/17/2016	pCi/m3	3.85E-03		1.12E-04	5.40E-04	3.00E-02	J+	3.86E-04	4.17E-03
ENGWESA006	11/16/2016	pCi/m3	3.46E-03		1.10E-04	4.89E-04	2.65E-02	J+	3.59E-04	3.69E-03
ENGWESA007	11/17/2016	pCi/m3	2.69E-03		1.38E-04	4.04E-04	2.23E-02	J+	4.62E-04	3.11E-03
ENGWESA008	11/16/2016	pCi/m3	1.70E-03		1.34E-04	2.59E-04	2.70E-02	J+	2.82E-04	3.75E-03
ENGWESA009	11/17/2016	pCi/m3	2.44E-03		1.28E-04	3.61E-04	2.70E-02	J+	2.60E-04	3.75E-03
ENGWESA010	11/16/2016	pCi/m3	5.70E-04		1.53E-04	1.27E-04	1.67E-02	J+	3.49E-04	2.33E-03
ENGWESA010 FD	11/16/2016	pCi/m3	2.61E-03		1.62E-04	3.71E-04	2.49E-02	J+	4.53E-04	3.47E-03
ENGWESA011	11/16/2016	pCi/m3	2.39E-03		1.36E-04	3.60E-04	2.68E-02	J+	3.78E-04	3.73E-03
ENGWESA012	11/16/2016	pCi/m3	2.57E-03		1.09E-04	3.81E-04	2.89E-02	J+	4.53E-04	4.02E-03
ENGWESA013	11/17/2016	pCi/m3	4.66E-03		1.04E-04	6.20E-04	3.47E-02	J+	3.72E-04	4.82E-03
ENGWESA001	12/14/2016	pCi/m3	4.67E-03		3.27E-05	5.35E-04	4.81E-02	J+	1.44E-04	6.66E-03
ENGWESA002	12/13/2016	pCi/m3	3.85E-03		2.95E-05	4.43E-04	4.39E-02	J+	1.45E-04	6.08E-03
ENGWESA003	12/14/2016	pCi/m3	3.75E-03		3.03E-05	4.33E-04	4.44E-02	J+	1.56E-04	6.15E-03
ENGWESA004	12/14/2016	pCi/m3	3.28E-03		3.97E-05	3.81E-04	3.86E-02	J+	1.66E-04	5.34E-03
ENGWESA005	12/13/2016	pCi/m3	3.18E-03		3.00E-05	3.71E-04	3.53E-02	J+	1.12E-04	4.88E-03
ENGWESA006	12/14/2016	pCi/m3	4.05E-03		2.54E-05	4.66E-04	4.30E-02	J+	1.61E-04	5.95E-03
ENGWESA007	12/14/2016	pCi/m3	2.74E-03		4.32E-05	3.25E-04	2.99E-02	J+	2.07E-04	4.14E-03
ENGWESA008	12/14/2016	pCi/m3	4.04E-03		3.06E-05	4.63E-04	4.87E-02	J+	1.46E-04	6.74E-03
ENGWESA009	12/14/2016	pCi/m3	3.79E-03		2.45E-05	4.37E-04	4.23E-02	J+	1.12E-04	5.86E-03
ENGWESA010	12/14/2016	pCi/m3	3.60E-03		3.39E-05	4.18E-04	3.12E-02	J+	1.34E-04	4.33E-03
ENGWESA010 FD	12/14/2016	pCi/m3	3.57E-03		1.89E-05	4.12E-04	3.06E-02	J+	1.47E-04	4.24E-03
ENGWESA011	12/14/2016	pCi/m3	5.35E-03		2.75E-05	6.10E-04	4.72E-02	J+	1.49E-04	6.54E-03
ENGWESA012	12/14/2016	pCi/m3	4.53E-03		2.97E-05	5.18E-04	4.42E-02	J+	1.31E-04	6.12E-03
ENGWESA013	12/14/2016	pCi/m3	4.41E-03		3.29E-05	5.05E-04	4.45E-02	J+	1.57E-04	6.16E-03



## Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	1/10/2017	pCi/m3	4.09E-03		1.39E-04	4.72E-04	3.70E-02	J+	2.08E-04	5.12E-03
ENGWESA002	1/10/2017	pCi/m3	3.55E-03		1.17E-04	4.10E-04	3.76E-02	J+	1.45E-04	5.20E-03
ENGWESA003	1/10/2017	pCi/m3	4.54E-03		1.21E-04	5.20E-04	3.96E-02	J+	1.34E-04	5.48E-03
ENGWESA004	1/10/2017	pCi/m3	4.24E-03		1.28E-04	4.87E-04	4.11E-02	J+	1.74E-04	5.70E-03
ENGWESA005	1/10/2017	pCi/m3	4.63E-03		1.24E-04	5.28E-04	4.25E-02	J+	1.62E-04	5.88E-03
ENGWESA006	1/10/2017	pCi/m3	4.10E-03		1.35E-04	4.72E-04	4.10E-02	J+	1.41E-04	5.67E-03
ENGWESA007	1/10/2017	pCi/m3	3.92E-03		1.23E-04	4.53E-04	3.22E-02	J+	1.35E-04	4.46E-03
ENGWESA008	1/10/2017	pCi/m3	4.02E-03		1.11E-04	4.61E-04	3.75E-02	J+	1.28E-04	5.19E-03
ENGWESA009	1/10/2017	pCi/m3	4.39E-03		1.47E-04	5.04E-04	4.11E-02	J+	1.91E-04	5.68E-03
ENGWESA009 FD	1/10/2017	pCi/m3	3.91E-03		1.30E-04	4.53E-04	3.96E-02	J+	1.29E-04	5.49E-03
ENGWESA010	1/10/2017	pCi/m3	2.66E-03		1.10E-04	3.15E-04	2.71E-02	J+	1.16E-04	3.75E-03
ENGWESA011	1/10/2017	pCi/m3	3.92E-03		1.15E-04	4.51E-04	3.79E-02	J+	1.67E-04	5.25E-03
ENGWESA012	1/10/2017	pCi/m3	3.99E-03		1.16E-04	4.59E-04	3.65E-02	J+	1.46E-04	5.05E-03
ENGWESA013	1/10/2017	pCi/m3	4.86E-03		1.25E-04	5.56E-04	4.20E-02	J+	1.28E-04	5.81E-03
ENGWESA001	2/7/2017	pCi/m3	1.83E-03	J	9.14E-05	3.46E-04	2.24E-02		6.98E-04	3.16E-03
ENGWESA002	2/7/2017	pCi/m3	2.91E-03		1.07E-04	6.44E-04	1.89E-02		8.95E-04	2.71E-03
ENGWESA003	2/7/2017	pCi/m3	2.69E-03		9.33E-05	5.10E-04	2.01E-02		5.69E-04	2.84E-03
ENGWESA004	2/7/2017	pCi/m3	1.96E-03		3.98E-05	3.79E-04	1.94E-02		6.62E-04	2.74E-03
ENGWESA005	2/6/2017	pCi/m3	2.70E-03		8.47E-05	5.13E-04	2.00E-02		5.63E-04	2.83E-03
ENGWESA006	2/7/2017	pCi/m3	2.34E-03		8.31E-05	3.99E-04	2.72E-02		5.78E-04	3.81E-03
ENGWESA007	2/6/2017	pCi/m3	2.14E-03		6.41E-05	4.17E-04	2.06E-02		7.49E-04	2.91E-03
ENGWESA008	2/6/2017	pCi/m3	2.17E-03		7.33E-05	4.60E-04	1.61E-02		5.65E-04	2.30E-03
ENGWESA008 FD	2/6/2017	pCi/m3	2.85E-03		9.25E-05	5.52E-04	1.58E-02		6.51E-04	2.26E-03
ENGWESA009	2/7/2017	pCi/m3	2.69E-03		5.92E-05	5.16E-04	1.97E-02		6.52E-04	2.78E-03
ENGWESA010	2/6/2017	pCi/m3	3.12E-03		4.92E-05	5.78E-04	1.73E-02		6.40E-04	2.45E-03
ENGWESA011	2/6/2017	pCi/m3	2.00E-03		5.31E-05	3.96E-04	2.09E-02		6.78E-04	2.96E-03
ENGWESA012	2/6/2017	pCi/m3	2.49E-03		9.70E-05	4.73E-04	1.70E-02		5.44E-04	2.41E-03
ENGWESA013	2/6/2017	pCi/m3	2.59E-03		5.37E-05	4.31E-04	2.02E-02		6.40E-04	2.85E-03
ENGWESA001	3/3/2017	pCi/m3	3.53E-03	J+	1.27E-04	4.13E-04	3.26E-02	J+	1.14E-04	4.52E-03
ENGWESA002	3/2/2017	pCi/m3	3.74E-03	J+	1.35E-04	4.37E-04	3.33E-02	J+	1.72E-04	4.61E-03
ENGWESA003	3/2/2017	pCi/m3	3.16E-03	J+	1.35E-04	3.72E-04	3.18E-02	J+	2.34E-04	4.40E-03
ENGWESA004	3/2/2017	pCi/m3	3.34E-03	J+	1.21E-04	3.90E-04	3.05E-02	J+	1.31E-04	4.22E-03
ENGWESA005	3/3/2017	pCi/m3	3.40E-03	J+	1.28E-04	3.96E-04	3.18E-02	J+	1.72E-04	4.41E-03
ENGWESA006	3/2/2017	pCi/m3	3.54E-03	J+	1.29E-04	4.10E-04	3.12E-02	J+	1.36E-04	4.33E-03
ENGWESA007	3/3/2017	pCi/m3	2.73E-03	J+	1.19E-04	3.22E-04	2.54E-02	J+	1.14E-04	3.52E-03
ENGWESA007 FD	3/3/2017	pCi/m3	2.92E-03	J+	1.31E-04	3.44E-04	2.58E-02	J+	8.70E-05	3.58E-03
ENGWESA008	3/3/2017	pCi/m3	3.46E-03	J+	1.29E-04	4.03E-04	3.13E-02	J+	1.71E-04	4.34E-03
ENGWESA009	3/2/2017	pCi/m3	3.76E-03	J+	1.76E-04	4.43E-04	3.32E-02	J+	1.74E-04	4.60E-03
ENGWESA010	3/3/2017	pCi/m3	2.55E-03	J+	1.21E-04	3.03E-04	2.51E-02	J+	1.04E-04	3.48E-03
ENGWESA011	3/3/2017	pCi/m3	3.77E-03	J+	1.27E-04	4.38E-04	3.56E-02	J+	1.66E-04	4.94E-03
ENGWESA012	3/3/2017	pCi/m3	3.90E-03	J+	1.43E-04	4.53E-04	3.33E-02	J+	1.41E-04	4.61E-03
ENGWESA013	3/3/2017	pCi/m3	3.59E-03	J+	1.20E-04	4.18E-04	3.42E-02	J+	1.35E-04	4.74E-03



## Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	6/22/2017	pCi/m3	2.25E-03	J+	3.97E-05	2.68E-04	1.93E-02	J+	1.60E-04	2.68E-03
ENGWESA002	6/22/2017	pCi/m3	2.45E-03	J+	3.18E-05	2.89E-04	2.10E-02	J+	1.38E-04	2.91E-03
ENGWESA003	6/22/2017	pCi/m3	3.04E-03	J+	4.68E-05	3.56E-04	2.33E-02	J+	1.88E-04	3.24E-03
ENGWESA003 FD	6/22/2017	pCi/m3	2.82E-03	J+	3.56E-05	3.32E-04	2.31E-02	J+	1.24E-04	3.20E-03
ENGWESA004	6/22/2017	pCi/m3	4.09E-04	J+	2.39E-05	6.32E-05	3.79E-03	J+	9.32E-05	5.34E-04
ENGWESA005	6/22/2017	pCi/m3	2.43E-03	J+	2.43E-05	2.88E-04	2.02E-02	J+	1.52E-04	2.81E-03
ENGWESA006	6/22/2017	pCi/m3	2.27E-03	J+	2.83E-05	2.70E-04	2.09E-02	J+	1.82E-04	2.90E-03
ENGWESA007	6/22/2017	pCi/m3	1.73E-03	J+	4.52E-05	2.21E-04	1.39E-02	J+	2.67E-04	1.94E-03
ENGWESA008	6/22/2017	pCi/m3	2.89E-03	J+	3.16E-05	3.41E-04	2.32E-02	J+	1.90E-04	3.21E-03
ENGWESA009	6/22/2017	pCi/m3	3.04E-03	J+	3.64E-05	3.56E-04	2.26E-02	J+	1.76E-04	3.14E-03
ENGWESA010	6/22/2017	pCi/m3	2.90E-03	J+	2.91E-05	3.40E-04	2.20E-02	J+	1.23E-04	3.04E-03
ENGWESA011	6/22/2017	pCi/m3	1.96E-03	J+	4.70E-05	2.43E-04	1.65E-02	J+	1.73E-04	2.30E-03
ENGWESA012	6/22/2017	pCi/m3	1.55E-03	J+	4.58E-05	2.00E-04	1.33E-02	J+	2.17E-04	1.86E-03
ENGWESA013	6/22/2017	pCi/m3	2.42E-03	J+	2.61E-05	2.92E-04	2.01E-02	J+	1.32E-04	2.78E-03
ENGWESA001	7/20/2017	pCi/m3	2.91E-03	J+	4.66E-05	3.43E-04	2.50E-02	J+	2.30E-04	3.47E-03
ENGWESA002	7/20/2017	pCi/m3	3.47E-03	J+	2.35E-05	4.02E-04	3.21E-02	J+	1.94E-04	4.44E-03
ENGWESA002 FD	7/20/2017	pCi/m3	3.31E-03	J+	2.40E-05	3.85E-04	2.95E-02	J+	1.84E-04	4.09E-03
ENGWESA003	7/20/2017	pCi/m3	2.58E-03	J+	2.23E-05	3.03E-04	2.84E-02	J+	2.00E-04	3.94E-03
ENGWESA004	7/20/2017	pCi/m3	3.17E-03	J+	2.68E-05	3.69E-04	2.69E-02	J+	1.48E-04	3.73E-03
ENGWESA005	7/21/2017	pCi/m3	2.52E-03	J+	2.34E-05	2.98E-04	2.29E-02	J+	1.75E-04	3.17E-03
ENGWESA006	7/20/2017	pCi/m3	3.30E-03	J+	3.16E-05	3.84E-04	2.98E-02	J+	1.90E-04	4.13E-03
ENGWESA007	7/21/2017	pCi/m3	3.78E-03	J+	1.86E-05	4.35E-04	3.31E-02	J+	2.00E-04	4.59E-03
ENGWESA008	7/20/2017	pCi/m3	3.47E-03	J+	4.20E-05	4.00E-04	2.94E-02	J+	1.72E-04	4.08E-03
ENGWESA009	7/20/2017	pCi/m3	3.12E-03	J+	1.61E-05	3.64E-04	2.88E-02	J+	1.62E-04	3.99E-03
ENGWESA010	7/20/2017	pCi/m3	3.59E-03	J+	3.12E-05	4.16E-04	3.31E-02	J+	1.85E-04	4.59E-03
ENGWESA011	7/20/2017	pCi/m3	2.74E-03	J+	3.65E-05	3.21E-04	2.33E-02	J+	2.00E-04	3.23E-03
ENGWESA012	7/21/2017	pCi/m3	3.29E-03	J+	2.27E-05	3.81E-04	2.73E-02	J+	1.74E-04	3.78E-03
ENGWESA013	7/21/2017	pCi/m3	3.34E-03	J+	2.53E-05	3.87E-04	2.75E-02	J+	1.60E-04	3.81E-03
ENGWESA001	8/18/2017	pCi/m3	2.63E-03	J+	1.62E-04	3.15E-04	3.02E-02	J+	2.53E-04	4.19E-03
ENGWESA001 FD	8/18/2017	pCi/m3	2.65E-03	J+	1.58E-04	3.16E-04	3.05E-02	J+	2.34E-04	4.22E-03
ENGWESA002	8/17/2017	pCi/m3	2.73E-03	J+	1.24E-04	3.20E-04	2.87E-02	J+	1.82E-04	3.97E-03
ENGWESA003	8/18/2017	pCi/m3	2.53E-03	J+	1.17E-04	2.98E-04	3.10E-02	J+	1.63E-04	4.30E-03
ENGWESA004	8/18/2017	pCi/m3	2.43E-03	J+	1.14E-04	2.87E-04	3.39E-02	J+	1.97E-04	4.69E-03
ENGWESA005	8/17/2017	pCi/m3	2.60E-03	J+	1.23E-04	3.08E-04	2.58E-02	J+	1.55E-04	3.57E-03
ENGWESA006	8/17/2017	pCi/m3	2.54E-03	J+	1.16E-04	3.00E-04	2.98E-02	J+	1.76E-04	4.13E-03
ENGWESA007	8/17/2017	pCi/m3	2.78E-03	J+	1.35E-04	3.27E-04	2.69E-02	J+	1.90E-04	3.72E-03
ENGWESA008	8/18/2017	pCi/m3	2.59E-03	J+	1.09E-04	3.03E-04	2.87E-02	J+	1.79E-04	3.97E-03
ENGWESA009	8/18/2017	pCi/m3	2.62E-03	J+	1.14E-04	3.08E-04	2.67E-02	J+	1.44E-04	3.70E-03
ENGWESA010	8/18/2017	pCi/m3	2.77E-03	J+	1.28E-04	3.25E-04	2.85E-02	J+	1.88E-04	3.95E-03
ENGWESA011	8/17/2017	pCi/m3	2.81E-03	J+	1.22E-04	3.30E-04	3.16E-02	J+	1.70E-04	4.37E-03
ENGWESA012	8/18/2017	pCi/m3	2.52E-03	J+	1.12E-04	2.96E-04	3.23E-02	J+	1.94E-04	4.48E-03
ENGWESA013	8/17/2017	pCi/m3	3.00E-03	J+	1.34E-04	3.52E-04	2.93E-02	J+	2.17E-04	4.07E-03

## Validated Gross Alpha and Gross Beta Air Particulate Results

Client ID	Sample Date	Report Units	Gross Alpha				Gross Beta			
			RESULT	Final Q	CV	CSU	RESULT	Final Q	CV	CSU
ENGWESA001	9/14/2017	pCi/m3	3.08E-03	J+	1.40E-04	3.60E-04	3.64E-02	J+	2.08E-04	5.04E-03
ENGWESA002	9/14/2017	pCi/m3	2.70E-03	J+	1.21E-04	3.18E-04	3.25E-02	J+	1.83E-04	4.50E-03
ENGWESA003	9/14/2017	pCi/m3	3.07E-03	J+	1.18E-04	3.57E-04	3.71E-02	J+	2.23E-04	5.14E-03
ENGWESA004	9/14/2017	pCi/m3	3.58E-03	J+	1.43E-04	4.17E-04	3.88E-02	J+	2.04E-04	5.37E-03
ENGWESA005	9/14/2017	pCi/m3	2.78E-03	J+	1.25E-04	3.24E-04	3.79E-02	J+	1.98E-04	5.25E-03
ENGWESA006	9/14/2017	pCi/m3	3.41E-03	J+	1.23E-04	3.95E-04	3.75E-02	J+	2.05E-04	5.19E-03
ENGWESA007	9/15/2017	pCi/m3	2.77E-03	J+	1.25E-04	3.24E-04	3.11E-02	J+	1.54E-04	4.31E-03
ENGWESA008	9/14/2017	pCi/m3	3.29E-03	J+	1.39E-04	3.83E-04	3.96E-02	J+	1.78E-04	5.48E-03
ENGWESA009	9/14/2017	pCi/m3	2.94E-03	J+	1.40E-04	3.44E-04	4.33E-02	J+	2.21E-04	6.00E-03
ENGWESA010	9/15/2017	pCi/m3	3.15E-03	J+	1.28E-04	3.67E-04	3.79E-02	J+	2.17E-04	5.25E-03
ENGWESA011	9/15/2017	pCi/m3	3.44E-03	J+	1.17E-04	3.97E-04	3.79E-02	J+	1.86E-04	5.24E-03
ENGWESA012	9/14/2017	pCi/m3	3.28E-03	J+	1.31E-04	3.82E-04	3.64E-02	J+	1.98E-04	5.04E-03
ENGWESA013	9/14/2017	pCi/m3	3.33E-03	J+	1.31E-04	3.86E-04	3.38E-02	J+	1.96E-04	4.69E-03
ENGWESA013 FD	9/14/2017	pCi/m3	3.03E-03	J+	1.31E-04	3.54E-04	3.33E-02	J+	1.96E-04	4.61E-03
ENGWESA001	10/12/2017	pCi/m3	4.47E-03		3.11E-05	5.13E-04	3.79E-02	J	2.51E-04	5.25E-03
ENGWESA002	10/12/2017	pCi/m3	3.84E-03		2.08E-05	4.43E-04	3.42E-02	J	1.84E-04	4.74E-03
ENGWESA003	10/13/2017	pCi/m3	3.95E-03		3.93E-05	4.53E-04	3.70E-02	J	1.98E-04	5.12E-03
ENGWESA004	10/13/2017	pCi/m3	3.66E-03		1.74E-05	4.21E-04	3.48E-02	J	1.99E-04	4.81E-03
ENGWESA005	10/13/2017	pCi/m3	3.11E-03		3.10E-05	3.60E-04	3.11E-02	J	1.93E-04	4.31E-03
ENGWESA006	10/12/2017	pCi/m3	3.97E-03		4.05E-05	4.56E-04	3.65E-02	J	2.12E-04	5.05E-03
ENGWESA007	10/13/2017	pCi/m3	3.05E-03		2.73E-05	3.55E-04	2.93E-02	J	1.58E-04	4.06E-03
ENGWESA008	10/14/2017	pCi/m3	3.06E-03		2.90E-05	3.55E-04	2.90E-02	J	1.76E-04	4.01E-03
ENGWESA009	10/12/2017	pCi/m3	3.68E-03		3.28E-05	4.26E-04	3.50E-02	J	1.77E-04	4.85E-03
ENGWESA010	10/14/2017	pCi/m3	2.94E-03		2.28E-05	3.44E-04	2.50E-02	J	2.07E-04	3.46E-03
ENGWESA011	10/12/2017	pCi/m3	3.62E-03		3.06E-05	4.20E-04	3.51E-02	J	1.97E-04	4.87E-03
ENGWESA012	10/14/2017	pCi/m3	3.54E-03		3.25E-05	4.07E-04	3.20E-02	J	1.60E-04	4.44E-03
ENGWESA012 FD	10/14/2017	pCi/m3	3.35E-03		2.10E-05	3.86E-04	3.16E-02	J	1.84E-04	4.38E-03
ENGWESA013	10/13/2017	pCi/m3	3.09E-03		1.45E-05	3.58E-04	3.02E-02	J	1.93E-04	4.18E-03

# **APPENDIX B**

## **VALIDATED ISOTOPIC AIR PARTICULATE RESULTS**

Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Actinium-227				Actinium-228				Bismuth-214			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	5/27/15 16:12	pCi/m <sup>3</sup>	1.46E-05	J	8.38E-06	4.53E-07	1.70E-04	J	2.05E-04	1.61E-04	1.52E-04	U	1.06E-04	8.54E-05
ENGWESA002	5/28/15 8:30	pCi/m <sup>3</sup>	7.11E-06	J	6.87E-06	6.49E-07	1.66E-04	J	1.31E-04	1.02E-04	1.61E-04	J	9.55E-05	7.81E-05
ENGWESA003	5/28/15 9:06	pCi/m <sup>3</sup>	6.45E-06	J	4.67E-06	7.79E-07	2.14E-04	J	1.55E-04	1.20E-04	1.09E-04	J	1.28E-04	1.04E-04
ENGWESA004	5/28/15 9:30	pCi/m <sup>3</sup>	6.49E-06	J	4.64E-06	6.89E-08	1.16E-04	U	2.14E-04	1.70E-04	8.94E-05	U	1.72E-04	9.25E-05
ENGWESA005	5/27/15 15:08	pCi/m <sup>3</sup>	6.78E-06	J	4.72E-06	5.47E-07	-5.33E-06	U	4.55E-05	8.22E-05	1.01E-04	J	7.62E-05	5.93E-05
ENGWESA006	5/27/15 16:50	pCi/m <sup>3</sup>	1.04E-05	J	6.18E-06	1.07E-06	-2.39E-04	U	2.59E-04	1.68E-04	4.51E-05	U	1.35E-04	9.22E-05
ENGWESA007	5/27/15 12:00	pCi/m <sup>3</sup>	8.20E-06	J	5.43E-06	2.17E-07	1.78E-04	J	1.56E-04	1.22E-04	2.16E-04		9.75E-05	7.85E-05
ENGWESA008	5/27/15 15:38	pCi/m <sup>3</sup>	3.42E-06	J	3.30E-06	3.10E-07	1.63E-04	J	1.47E-04	1.17E-04	5.24E-05	U	8.01E-05	6.06E-05
ENGWESA009	5/28/15 10:42	pCi/m <sup>3</sup>												
ENGWESA010	5/28/15 11:06	pCi/m <sup>3</sup>	8.73E-06	J	5.95E-06	8.34E-08	1.14E-04	U	1.97E-04	1.59E-04	1.13E-04	J	1.97E-04	9.34E-05
ENGWESA011	5/27/15 9:10	pCi/m <sup>3</sup>	6.58E-06	J	4.86E-06	5.94E-07	2.31E-04	J	1.62E-04	1.25E-04	1.42E-04	J	9.24E-05	7.25E-05
ENGWESA012	5/27/15 10:36	pCi/m <sup>3</sup>	1.24E-06	J	2.68E-06	1.07E-06	-1.02E-05	U	1.41E-04	9.96E-05	3.63E-05	U	7.94E-05	5.94E-05
ENGWESA013	5/27/15 11:17	pCi/m <sup>3</sup>	4.24E-06	J	4.43E-06	2.87E-07	3.27E-04	J	3.79E-04	2.91E-04	2.23E-05	U	2.09E-04	1.50E-04
ENGWESA001	6/24/15 12:15	pCi/m <sup>3</sup>	-5.48E-07	U	2.20E-06	6.35E-07	1.91E-05	U	1.76E-04	1.25E-04	4.71E-05	U	9.88E-05	7.33E-05
ENGWESA002	6/24/15 9:40	pCi/m <sup>3</sup>	6.41E-06	J	6.43E-06	8.40E-07	7.75E-05	U	1.22E-04	9.35E-05	8.67E-05	J	8.36E-05	6.43E-05
ENGWESA003	6/24/15 10:40	pCi/m <sup>3</sup>	8.10E-07	U	2.39E-06	8.98E-07	1.15E-04	J	1.23E-04	9.81E-05	5.49E-05	U	7.74E-05	5.88E-05
ENGWESA004	6/24/15 11:40	pCi/m <sup>3</sup>	1.69E-06	J	2.35E-06	3.99E-07	1.78E-04	J	1.40E-04	1.09E-04	1.40E-04	J	8.60E-05	6.76E-05
ENGWESA005	6/23/15 10:30	pCi/m <sup>3</sup>	5.00E-06	J	4.52E-06	5.37E-07	1.26E-04	J	1.34E-04	1.06E-04	7.55E-06	U	8.02E-05	5.77E-05
ENGWESA006	6/24/15 13:00	pCi/m <sup>3</sup>	3.69E-06	J	3.44E-06	5.23E-07	6.61E-05	U	2.00E-04	1.54E-04	1.31E-04	J	2.15E-04	9.05E-05
ENGWESA007	6/23/15 9:38	pCi/m <sup>3</sup>	5.00E-06	J	4.72E-06	1.56E-06	1.81E-04	J	1.52E-04	1.17E-04	3.74E-05	U	7.19E-05	5.38E-05
ENGWESA008	6/23/15 11:25	pCi/m <sup>3</sup>	3.80E-06	J	4.08E-06	1.15E-06	4.46E-05	U	1.50E-04	1.09E-04	2.27E-04		9.51E-05	7.66E-05
ENGWESA009	6/23/15 13:26	pCi/m <sup>3</sup>	3.04E-06	J	3.71E-06	2.80E-07	-8.45E-06	U	2.07E-04	1.46E-04	6.98E-05	U	1.03E-04	7.83E-05
ENGWESA010	6/23/15 14:10	pCi/m <sup>3</sup>	3.90E-06	J	4.03E-06	1.01E-06	4.61E-05	U	1.46E-04	1.07E-04	-2.02E-05	U	8.55E-05	5.99E-05
ENGWESA011	6/23/15 8:59	pCi/m <sup>3</sup>	1.63E-06	J	2.79E-06	4.17E-07	1.38E-04	J	1.46E-04	1.13E-04	5.87E-05	U	8.87E-05	6.65E-05
ENGWESA012	6/23/15 14:50	pCi/m <sup>3</sup>	1.99E-07	U	2.79E-06	1.22E-06	9.22E-05	U	1.64E-04	1.23E-04	5.21E-05	U	9.37E-05	7.02E-05
ENGWESA013	6/23/15 15:30	pCi/m <sup>3</sup>	-3.26E-06	U	2.14E-06	3.24E-06	1.33E-04	J	1.33E-04	1.02E-04	3.74E-05	U	8.08E-05	5.99E-05
ENGWESA001	9/16/15 11:17	pCi/m <sup>3</sup>	3.39E-06	J	4.73E-06	8.27E-07	1.07E-04	U	1.60E-04	1.26E-04	1.39E-04	J	9.07E-05	7.60E-05
ENGWESA002														
ENGWESA003	9/17/15 8:46	pCi/m <sup>3</sup>	3.51E-06	J	3.68E-06	6.29E-07	1.92E-04	J	1.31E-04	1.11E-04	-1.67E-05	U	8.73E-05	5.95E-05
ENGWESA004	9/17/15 9:02	pCi/m <sup>3</sup>	1.24E-06	J	2.21E-06	6.94E-07	1.54E-04	J	1.53E-04	1.23E-04	8.37E-05	J	8.50E-05	6.70E-05
ENGWESA005	9/16/15 13:05	pCi/m <sup>3</sup>	5.90E-06	J	3.91E-06	1.69E-07	-2.92E-05	U	3.38E-04	2.48E-04	7.85E-05	U	2.11E-04	1.65E-04
ENGWESA006	9/16/15 11:40	pCi/m <sup>3</sup>	2.75E-06	J	3.00E-06	6.21E-07	2.30E-04	J	1.43E-04	1.19E-04	1.20E-04	J	6.43E-05	5.64E-05
ENGWESA007	9/16/15 13:20	pCi/m <sup>3</sup>	1.68E-06	J	2.15E-06	4.98E-07	1.77E-04	J	1.69E-04	1.37E-04	9.27E-05	J	1.02E-04	7.89E-05
ENGWESA008	9/16/15 12:50	pCi/m <sup>3</sup>	2.04E-06	J	2.55E-06	8.00E-07	-1.01E-05	U	1.50E-04	1.05E-04	6.86E-05	J	8.05E-05	6.39E-05
ENGWESA009	9/17/15 9:20	pCi/m <sup>3</sup>	2.87E-06	J	4.42E-06	1.55E-06	4.02E-06	U	3.33E-04	2.48E-04	2.35E-05	U	1.72E-04	1.30E-04
ENGWESA009 FIELD DUP	9/17/15 9:20	pCi/m <sup>3</sup>	3.65E-06	J	4.96E-06	1.34E-06	1.27E-04	U	3.30E-04	2.57E-04	-2.81E-05	U	1.77E-04	1.29E-04
ENGWESA010	9/17/15 9:46	pCi/m <sup>3</sup>	4.88E-06	J	3.67E-06	8.07E-07	1.29E-04	J	1.37E-04	1.11E-04	8.51E-05	J	8.25E-05	6.34E-05
ENGWESA011	9/16/15 13:36	pCi/m <sup>3</sup>	2.93E-06	J	3.31E-06	1.38E-06	1.41E-04	J	1.71E-04	1.33E-04	1.48E-04	J	9.35E-05	7.75E-05
ENGWESA012	9/17/15 8:02	pCi/m <sup>3</sup>	7.92E-07	J	1.51E-06	3.24E-07	1.07E-04	U	1.49E-04	1.19E-04	1.31E-04	J	9.02E-05	7.39E-05
ENGWESA013	9/17/15 8:20	pCi/m <sup>3</sup>	1.67E-07	UJ	1.08E-06	4.05E-07	1.57E-04	J	1.50E-04	1.18E-04	3.69E-05	U	7.99E-05	6.02E-05

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Actinium-227				Actinium-228				Bismuth-214			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	12/8/2015	pCi/m3	-2.75E-06	U	2.91E-06	2.81E-06	8.39E-06	U	1.25E-04	8.92E-05	5.74E-05	U	7.92E-05	6.08E-05
ENGWESA002	12/8/2015	pCi/m3	-2.09E-07	UJ	1.24E-06	2.75E-07	7.37E-05	U	1.44E-04	1.10E-04	1.03E-04	J	9.42E-05	7.41E-05
ENGWESA003	12/8/2015	pCi/m3	1.64E-06	J	2.29E-06	4.05E-07	1.00E-05	U	1.51E-04	1.09E-04	6.11E-05	U	7.88E-05	6.18E-05
ENGWESA004	12/8/2015	pCi/m3	-7.87E-07	U	2.01E-06	2.08E-06	3.62E-05	U	1.54E-04	1.12E-04	1.08E-04	J	8.81E-05	7.03E-05
ENGWESA005	12/8/2015	pCi/m3	2.38E-06	J	4.64E-06	1.67E-06	-4.35E-04	U	1.59E-03	9.78E-04	5.51E-04	U	7.24E-04	5.74E-04
ENGWESA005 Field Dup	12/8/2015	pCi/m3	2.03E-06	J	3.88E-06	8.34E-07	2.06E-04	J	1.44E-04	1.21E-04	1.24E-04	J	7.16E-05	6.26E-05
ENGWESA006	12/8/2015	pCi/m3	1.05E-06	J	1.79E-06	2.84E-07	2.48E-05	U	1.40E-04	2.14E-04	2.18E-04	J	1.96E-04	1.63E-04
ENGWESA007	12/8/2015	pCi/m3	-3.37E-07	U	1.35E-06	4.06E-07	2.17E-04	J	1.28E-04	1.10E-04	7.90E-05	J	7.54E-05	5.96E-05
ENGWESA008	12/8/2015	pCi/m3	2.04E-07	U	1.32E-06	4.97E-07	3.49E-05	U	1.56E-04	1.13E-04	7.32E-05	J	9.02E-05	6.95E-05
ENGWESA009	12/8/2015	pCi/m3	1.64E-06	J	2.14E-06	2.78E-07	5.54E-05	U	3.68E-04	2.78E-04	2.87E-05	U	1.73E-04	1.31E-04
ENGWESA010	12/8/2015	pCi/m3	1.47E-06	J	2.61E-06	1.13E-06	-2.55E-05	U	1.40E-04	9.54E-05	1.11E-05	U	8.33E-05	5.97E-05
ENGWESA011	12/8/2015	pCi/m3	5.54E-07	J	1.33E-06	1.89E-07	1.19E-04	U	1.57E-04	1.24E-04	7.64E-05	J	9.52E-05	7.35E-05
ENGWESA012	12/8/2015	pCi/m3	1.17E-06	J	1.81E-06	1.83E-07	9.13E-05	U	1.40E-04	1.06E-04	3.11E-05	U	7.90E-05	5.92E-05
ENGWESA013	12/8/2015	pCi/m3	9.89E-07	J	1.89E-06	4.07E-07	9.81E-05	U	1.45E-04	1.13E-04	1.71E-05	U	8.29E-05	6.01E-05
ENGWESA001	3/2/2016	pCi/m3	2.89E-06	J	3.77E-06	4.88E-07	1.85E-05	U	1.36E-04	9.82E-05	6.13E-05	J	6.76E-05	5.39E-05
ENGWESA002	3/3/2016	pCi/m3	1.74E-06	J	3.33E-06	7.22E-07	1.26E-04	U	1.59E-04	1.26E-04	1.02E-04	J	1.13E-04	8.88E-05
ENGWESA003	3/3/2016	pCi/m3	7.60E-06	J	7.09E-06	4.47E-07	9.33E-05	U	1.58E-04	1.19E-04	5.52E-05	U	8.33E-05	6.39E-05
ENGWESA003 Field Dup	3/3/2016	pCi/m3	2.98E-06	J	5.80E-06	2.10E-06	3.33E-05	U	1.52E-04	1.10E-04	2.28E-05	U	8.32E-05	6.15E-05
ENGWESA004	3/3/2016	pCi/m3	7.57E-06	J	6.64E-06	6.02E-07	4.40E-06	U	1.74E-04	1.20E-04	9.39E-05	J	9.98E-05	7.78E-05
ENGWESA005	3/2/2016	pCi/m3	1.72E-06	UJ	4.71E-06	2.34E-06	1.20E-04	J	1.50E-04	1.18E-04	2.05E-06	U	7.73E-05	5.51E-05
ENGWESA006	3/2/2016	pCi/m3	3.37E-06	J	4.57E-06	1.26E-06	1.04E-04	U	1.75E-04	1.34E-04	8.10E-05	J	9.21E-05	7.19E-05
ENGWESA007	3/2/2016	pCi/m3	4.01E-06	J	4.62E-06	7.08E-07	5.97E-05	U	1.85E-04	1.46E-04	9.06E-05	U	1.15E-04	9.45E-05
ENGWESA008	3/3/2016	pCi/m3	2.05E-06	J	4.45E-06	1.22E-06	3.85E-04	J	3.66E-04	3.15E-04	-9.03E-06	U	1.59E-04	1.41E-04
ENGWESA009	3/3/2016	pCi/m3	1.95E-06	UJ	4.71E-06	2.13E-06	4.09E-05	U	1.18E-04	8.96E-05	5.33E-05	U	8.11E-05	6.20E-05
ENGWESA010	3/2/2016	pCi/m3	5.46E-06	J	6.09E-06	1.63E-07	4.66E-06	U	1.90E-04	1.35E-04	1.48E-04	J	1.14E-04	9.21E-05
ENGWESA011	3/2/2016	pCi/m3	3.98E-06	J	5.26E-06	1.58E-07	2.05E-04	J	1.68E-04	1.40E-04	8.28E-05	J	9.74E-05	7.57E-05
ENGWESA012	3/2/2016	pCi/m3	1.19E-06	UJ	3.75E-06	2.03E-06	-5.36E-05	U	3.82E-04	2.80E-04	9.70E-05	U	1.83E-04	1.46E-04
ENGWESA013	3/2/2016	pCi/m3	3.68E-06	J	4.80E-06	6.23E-07	1.12E-04	J	1.32E-04	1.06E-04	3.74E-05	U	7.61E-05	5.68E-05
ENGWESA001	5/26/2016	pCi/m3	-5.44E-06	UJ	7.29E-06	5.58E-06	-1.78E-05	U	1.37E-04	8.92E-05	2.07E-05	U	7.55E-05	5.58E-05
ENGWESA002	5/27/2016	pCi/m3	7.45E-07	J	1.86E-06	5.96E-07	-2.27E-05	U	3.77E-04	2.71E-04	1.27E-04	U	1.78E-04	1.45E-04
ENGWESA003	5/27/2016	pCi/m3	-5.02E-07	U	2.98E-06	6.28E-07	-1.30E-04	U	3.74E-04	2.63E-04	9.18E-05	U	1.83E-04	1.44E-04
ENGWESA003 Field Dup	5/27/2016	pCi/m3	5.40E-06	J	6.02E-06	1.29E-07	2.21E-04	U	2.97E-04	2.53E-04	1.57E-04	U	1.99E-04	1.62E-04
ENGWESA004	5/27/2016	pCi/m3	3.35E-07	UJ	2.10E-06	1.13E-06	2.20E-04	J	1.54E-04	1.26E-04	1.14E-04	J	8.75E-05	7.00E-05
ENGWESA005	5/26/2016	pCi/m3	2.98E-06	J	3.25E-06	6.63E-07	-1.69E-05	U	1.43E-04	9.62E-05	3.71E-05	U	9.03E-05	6.76E-05
ENGWESA006	5/26/2016	pCi/m3	4.47E-06	J	3.82E-06	5.34E-07	2.01E-04	J	1.58E-04	1.34E-04	1.16E-04	J	8.99E-05	7.20E-05
ENGWESA007	5/26/2016	pCi/m3	8.67E-07	J	2.41E-06	8.31E-08	-7.50E-05	U	3.95E-04	2.85E-04	-2.41E-05	U	1.99E-04	1.47E-04
ENGWESA008	5/26/2016	pCi/m3	5.95E-07	J	1.43E-06	1.87E-07	-8.23E-05	U	1.89E-04	1.16E-04	1.16E-04	J	9.78E-05	8.23E-05
ENGWESA009	5/27/2016	pCi/m3	2.60E-06	J	2.96E-06	7.10E-07	5.14E-05	U	1.37E-04	1.05E-04	1.75E-04	J	1.16E-04	9.36E-05
ENGWESA010	5/27/2016	pCi/m3	3.62E-06	J	3.39E-06	5.16E-07	1.35E-04	J	1.56E-04	1.29E-04	3.03E-05	U	8.31E-05	6.21E-05
ENGWESA011	5/27/2016	pCi/m3	4.30E-06	J	3.67E-06	5.15E-07	-8.50E-06	U	3.35E-04	2.42E-04	-3.39E-06	U	2.06E-04	1.52E-04
ENGWESA012	5/26/2016	pCi/m3	7.58E-07	J	1.90E-06	6.08E-07	3.03E-04	J	3.08E-04	2.41E-04	3.11E-04	J	1.94E-04	2.75E-04
ENGWESA013	5/27/2016	pCi/m3	1.88E-06	J	2.06E-06	2.18E-07	1.00E-04	J	1.22E-04	9.99E-05	2.54E-05	U	7.99E-05	5.90E-05

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Actinium-227				Actinium-228				Bismuth-214			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	8/17/2016	pCi/m3	5.70E-07	U	4.61E-06	3.27E-06	2.94E-05	U	1.47E-04	1.07E-04	7.32E-05	J	9.13E-05	7.12E-05
ENGWESA002	8/19/2016	pCi/m3	1.50E-06	U	6.87E-06	3.32E-06	1.24E-04	U	2.48E-04	1.89E-04	2.32E-04	J	1.82E-04	1.39E-04
ENGWESA003	8/19/2016	pCi/m3	3.06E-07	U	4.28E-06	1.88E-06	1.58E-04	U	4.37E-04	3.44E-04	7.18E-04	J	3.62E-04	3.02E-04
ENGWESA004	8/19/2016	pCi/m3	4.69E-06	J	6.22E-06	1.45E-07	1.26E-04	J	1.49E-04	1.18E-04	-2.61E-05	U	8.65E-05	5.95E-05
ENGWESA005	8/17/2016	pCi/m3	1.79E-06	J	3.88E-06	1.02E-06	-6.67E-05	U	1.82E-04	1.19E-04	2.01E-04	J	1.06E-04	7.37E-05
ENGWESA006	8/19/2016	pCi/m3	4.76E-06	J	5.95E-06	1.85E-06	4.33E-05	U	1.61E-04	1.19E-04	2.56E-05	U	8.41E-05	6.23E-05
ENGWESA007	8/17/2016	pCi/m3	6.54E-06	J	6.86E-06	4.39E-07	1.03E-04	U	1.46E-04	1.17E-04	2.21E-04		9.33E-05	1.36E-04
ENGWESA008	8/17/2016	pCi/m3	4.14E-06	J	4.77E-06	6.98E-07	7.02E-05	U	1.54E-04	1.17E-04	1.38E-05	U	8.76E-05	6.26E-05
ENGWESA009	8/19/2016	pCi/m3	3.22E-06	UJ	8.85E-06	4.33E-06	4.00E-05	U	1.74E-04	1.27E-04	1.27E-04	J	1.43E-04	1.12E-04
ENGWESA010	8/19/2016	pCi/m3	8.24E-07	U	3.44E-06	9.89E-07	-1.57E-04	U	3.78E-04	2.60E-04	1.82E-04	U	2.12E-04	4.58E-04
ENGWESA011	8/19/2016	pCi/m3	2.22E-06	J	5.55E-06	1.77E-06	1.07E-04	U	1.47E-04	1.16E-04	3.37E-04		1.13E-04	7.98E-05
ENGWESA012	8/17/2016	pCi/m3	-5.56E-07	U	3.36E-06	2.19E-06	1.06E-05	U	7.06E-05	1.33E-04	1.22E-04	J	1.27E-04	9.94E-05
ENGWESA013	8/19/2016	pCi/m3	2.03E-07	U	2.84E-06	1.24E-06	-7.58E-05	U	1.63E-04	9.58E-05	2.53E-05	U	8.98E-05	6.60E-05
ENGWESA013 FD	8/19/2016	pCi/m3	-3.15E-08	U	3.34E-06	1.71E-06	-9.54E-05	U	1.61E-04	9.98E-05	1.19E-05	U	8.62E-05	6.26E-05
ENGWESA001	11/16/2016	pCi/m3	2.92E-06	J+	4.81E-06	1.87E-06	1.72E-04	J	1.51E-04	1.21E-04	9.22E-05	J	8.33E-05	6.33E-05
ENGWESA002	11/16/2016	pCi/m3	4.15E-07	UJ+	1.90E-06	9.17E-07	-9.30E-06	U	1.42E-04	9.49E-05	1.76E-04	J	9.81E-05	7.80E-05
ENGWESA003	11/17/2016	pCi/m3	4.48E-06	J+	4.40E-06	1.95E-06	3.83E-05	U	1.71E-04	1.26E-04	1.79E-04	J	9.80E-05	6.97E-05
ENGWESA004	11/17/2016	pCi/m3	1.09E-06	J+	1.94E-06	5.98E-07	-8.49E-06	U	1.56E-04	1.09E-04	7.99E-05	J	8.80E-05	6.85E-05
ENGWESA005	11/17/2016	pCi/m3	3.60E-06	J+	3.49E-06	3.24E-07	-6.93E-05	U	1.53E-04	9.74E-05	3.80E-05	U	9.14E-05	6.75E-05
ENGWESA006	11/16/2016	pCi/m3	3.63E-06	J+	4.22E-06	1.47E-06	1.71E-04	J	1.48E-04	1.21E-04	6.38E-05	U	8.41E-05	6.51E-05
ENGWESA007	11/17/2016	pCi/m3	2.91E-06	J+	4.50E-06	4.04E-07	3.36E-05	U	1.84E-04	1.33E-04	7.94E-06	U	8.66E-05	6.11E-05
ENGWESA008	11/16/2016	pCi/m3	4.42E-06	J+	3.67E-06	4.00E-07	9.69E-05	U	3.42E-04	2.64E-04	4.24E-04	J	2.33E-04	1.61E-04
ENGWESA009	11/17/2016	pCi/m3	3.80E-06	J+	3.67E-06	6.78E-07	1.72E-05	U	1.51E-04	1.08E-04	2.60E-05	U	8.68E-05	6.41E-05
ENGWESA010	11/16/2016	pCi/m3	6.12E-06	J+	9.24E-06	1.98E-06	-2.09E-05	U	1.63E-04	1.12E-04	3.16E-05	U	9.10E-05	6.77E-05
ENGWESA010 FD	11/16/2016	pCi/m3	1.03E-06	UJ+	4.28E-06	1.22E-06	1.01E-04	U	1.51E-04	1.18E-04	8.01E-05	J	9.34E-05	7.32E-05
ENGWESA011	11/16/2016	pCi/m3	5.01E-06	J+	4.66E-06	1.08E-06	2.19E-04	U	3.26E-04	2.74E-04	5.06E-05	U	2.01E-04	1.55E-04
ENGWESA012	11/16/2016	pCi/m3	-1.51E-07	UJ+	1.76E-06	2.25E-07	1.09E-04	U	1.48E-04	1.16E-04	9.60E-05	J	8.07E-05	6.51E-05
ENGWESA013	11/17/2016	pCi/m3	7.92E-06	J+	5.21E-06	4.43E-07	3.09E-05	U	1.71E-04	1.21E-04	9.03E-05	J	8.56E-05	6.86E-05
ENGWESA001	2/7/2017	pCi/m3	6.56E-06	J+	6.55E-06	1.43E-06	2.02E-04	J	2.13E-04	1.66E-04	7.80E-05	J	1.04E-04	7.32E-05
ENGWESA002	2/7/2017	pCi/m3	9.90E-06	J+	1.08E-05	2.20E-06	-1.88E-05	U	3.44E-04	2.37E-04	2.48E-04	J	1.82E-04	1.47E-04
ENGWESA003	2/7/2017	pCi/m3	5.86E-06	J+	6.39E-06	1.30E-06	-3.49E-06	U	2.16E-04	1.51E-04	8.04E-05	U	1.19E-04	8.94E-05
ENGWESA004	2/7/2017	pCi/m3	-2.86E-08	UJ+	3.03E-06	1.55E-06	5.15E-06	U	2.44E-04	1.75E-04	-4.64E-06	U	1.32E-04	9.17E-05
ENGWESA005	2/6/2017	pCi/m3	1.36E-05	J+	1.03E-05	2.24E-06	3.37E-04	J	3.77E-04	2.81E-04	2.96E-05	U	1.67E-04	1.18E-04
ENGWESA006	2/7/2017	pCi/m3	3.92E-06	J+	4.80E-06	3.57E-07	9.91E-05	U	2.00E-04	1.50E-04	5.79E-05	U	1.18E-04	8.76E-05
ENGWESA007	2/6/2017	pCi/m3	5.38E-06	J+	6.40E-06	1.77E-06	-2.04E-05	U	1.73E-04	1.19E-04	7.28E-05	J	8.64E-05	6.66E-05
ENGWESA008	2/6/2017	pCi/m3	1.73E-06	J+	4.34E-06	1.39E-06	-6.07E-06	U	1.13E-04	1.28E-04	2.85E-05	U	9.44E-05	6.31E-05
ENGWESA008 FD	2/6/2017	pCi/m3	-3.85E-06	UJ+	8.07E-06	4.09E-06	7.11E-05	U	1.59E-04	1.22E-04	8.76E-05	J	9.73E-05	7.52E-05
ENGWESA009	2/7/2017	pCi/m3	4.45E-06	J+	5.81E-06	7.06E-07	2.12E-04	J	2.42E-04	1.93E-04	-4.91E-05	U	1.16E-04	7.69E-05
ENGWESA010	2/6/2017	pCi/m3	7.97E-06	J+	7.39E-06	1.72E-06	2.90E-04	J	3.14E-04	2.39E-04	-3.00E-05	U	1.37E-04	9.25E-05
ENGWESA011	2/6/2017	pCi/m3	4.39E-06	J+	5.74E-06	6.98E-07	9.16E-05	U	1.72E-04	1.31E-04	5.62E-05	U	9.63E-05	7.26E-05
ENGWESA012	2/6/2017	pCi/m3	7.64E-06	J+	7.14E-06	4.09E-07	2.48E-06	U	1.84E-04	1.26E-04	1.07E-04	J	9.70E-05	7.14E-05
ENGWESA013	2/6/2017	pCi/m3	7.94E-06	J+	6.96E-06	1.19E-06	-2.28E-04	U	2.19E-04	1.04E-04	4.19E-05	U	8.91E-05	6.59E-05



## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Actinium-227				Actinium-228				Bismuth-214			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	4/27/2017	pCi/m3	2.68E-06	J	4.58E-06	1.19E-07	-4.47E-05	U	1.84E-04	1.26E-04	1.06E-04	J	1.26E-04	9.93E-05
ENGWESA002	4/27/2017	pCi/m3	1.56E-06	J	3.90E-06	1.24E-06	8.74E-05	U	2.02E-04	1.50E-04	3.35E-05	U	1.12E-04	7.35E-05
ENGWESA003	4/27/2017	pCi/m3	6.19E-06	J	6.23E-06	8.09E-07	1.87E-05	U	1.71E-04	1.25E-04	8.58E-05	J	1.04E-04	8.14E-05
ENGWESA004	4/27/2017	pCi/m3	4.28E-06	J	6.97E-06	1.83E-06	3.25E-05	U	2.17E-04	1.57E-04	8.55E-05	J	9.81E-05	7.84E-05
ENGWESA005 FD	4/27/2017	pCi/m3	3.66E-06	J	5.96E-06	1.56E-06	-1.59E-05	U	7.16E-05	1.37E-04	2.23E-04	J	1.30E-04	1.04E-04
ENGWESA006	4/27/2017	pCi/m3	3.10E-06	J	5.12E-06	1.99E-06	-4.34E-05	U	3.85E-04	2.40E-04	-1.31E-05	U	1.59E-04	1.11E-04
ENGWESA007	4/27/2017	pCi/m3	7.32E-06	J	6.40E-06	1.09E-06	3.68E-06	U	1.69E-04	1.15E-04	1.15E-04	J	9.38E-05	7.45E-05
ENGWESA008	4/27/2017	pCi/m3	2.04E-06	J	3.89E-06	7.99E-07	1.02E-05	U	1.87E-04	1.35E-04	1.35E-04	J	1.06E-04	8.01E-05
ENGWESA009	4/27/2017	pCi/m3	4.74E-06	J	6.09E-06	1.38E-06	9.97E-05	U	1.43E-04	1.22E-04	6.11E-05	U	1.13E-04	8.35E-05
ENGWESA010	4/27/2017	pCi/m3	6.25E-06	J	6.56E-06	4.16E-07	-1.31E-04	U	3.45E-04	2.05E-04	-6.19E-05	U	1.41E-04	9.24E-05
ENGWESA011	4/27/2017	pCi/m3	1.16E-06	J	3.54E-06	7.38E-07	2.47E-04	J	1.78E-04	1.41E-04	5.66E-05	U	1.05E-04	7.82E-05
ENGWESA012	4/27/2017	pCi/m3	-2.62E-06	U	4.77E-06	2.74E-06	2.23E-04	J	1.85E-04	1.51E-04	1.86E-04	J	1.22E-04	1.01E-04
ENGWESA013	4/27/2017	pCi/m3	2.52E-07	U	8.39E-06	6.66E-06	2.15E-04	J	1.77E-04	1.51E-04	9.11E-05	J	9.37E-05	7.07E-05
ENGWESA001	7/20/2017	pCi/m3	7.47E-06	J	6.76E-06	7.81E-07	9.85E-06	U	1.76E-04	1.23E-04	9.69E-05	J	9.82E-05	7.90E-05
ENGWESA002	7/20/2017	pCi/m3	3.26E-06	J	5.32E-06	1.37E-06	-4.51E-05	U	2.85E-04	1.68E-04	2.05E-04	J	1.94E-04	1.51E-04
ENGWESA002 FD	7/20/2017	pCi/m3	1.52E-06	J	3.29E-06	8.50E-07	5.84E-05	U	1.26E-04	9.80E-05	8.86E-05	J	9.61E-05	7.44E-05
ENGWESA003	7/20/2017	pCi/m3	4.20E-06	J	3.76E-06	1.02E-06	1.50E-06	U	2.99E-04	1.96E-04	3.59E-05	U	1.34E-04	9.75E-05
ENGWESA004	7/20/2017	pCi/m3	2.14E-06	J	2.80E-06	3.28E-07	8.63E-05	U	2.88E-04	2.01E-04	1.91E-04	J	1.27E-04	9.91E-05
ENGWESA005	7/21/2017	pCi/m3	3.36E-06	J	3.14E-06	1.69E-07	2.31E-04	J	1.55E-04	1.15E-04	3.08E-04		1.39E-04	1.05E-04
ENGWESA006	7/20/2017	pCi/m3	3.33E-06	J	3.22E-06	2.92E-07	1.00E-04	U	1.29E-04	1.13E-04	-1.84E-05	U	1.01E-04	6.13E-05
ENGWESA007	7/21/2017	pCi/m3	2.57E-06	J	3.07E-06	8.36E-07	8.32E-05	U	1.64E-04	1.29E-04	1.88E-04	J	1.10E-04	8.49E-05
ENGWESA008	7/20/2017	pCi/m3	2.09E-06	J	2.76E-06	5.35E-08	2.68E-04	J	3.04E-04	2.32E-04	8.06E-05	U	1.26E-04	9.69E-05
ENGWESA009	7/20/2017	pCi/m3	1.59E-06	J	2.71E-06	3.91E-07	-4.30E-05	U	1.77E-04	1.07E-04	3.09E-04		1.18E-04	9.48E-05
ENGWESA010	7/20/2017	pCi/m3	3.09E-06	J	3.37E-06	6.71E-07	-1.61E-05	U	1.96E-04	1.33E-04	2.67E-04		1.16E-04	7.39E-05
ENGWESA011	7/20/2017	pCi/m3	3.85E-06	J	4.21E-06	1.60E-06	-1.22E-05	U	1.82E-04	1.25E-04	6.04E-05	U	9.85E-05	6.87E-05
ENGWESA012	7/21/2017	pCi/m3	1.23E-06	J	2.19E-06	6.63E-07	9.69E-05	U	2.84E-04	1.94E-04	5.75E-05	U	1.25E-04	9.06E-05
ENGWESA013	7/21/2017	pCi/m3	2.14E-06	J	2.47E-06	3.53E-07	3.00E-05	U	1.29E-04	9.54E-05	6.10E-05	U	9.08E-05	6.22E-05
ENGWESA001	10/12/2017	pCi/m3	7.44E-06	J	6.73E-06	7.82E-07	6.46E-05	U	1.76E-04	1.32E-04	9.87E-05	J	8.84E-05	7.24E-05
ENGWESA002	10/12/2017	pCi/m3	5.54E-06	J	4.28E-06	4.26E-07	6.57E-05	U	1.49E-04	1.14E-04	1.47E-04	J	1.46E-04	1.15E-04
ENGWESA003	10/13/2017	pCi/m3	5.50E-06	J	3.77E-06	3.34E-07	6.99E-05	U	1.39E-04	1.07E-04	3.82E-05	U	8.94E-05	6.59E-05
ENGWESA004	10/13/2017	pCi/m3	5.30E-06	J	4.01E-06	5.91E-07	4.22E-05	U	1.74E-04	1.28E-04	4.27E-05	U	9.19E-05	6.91E-05
ENGWESA005	10/13/2017	pCi/m3	1.96E-06	J	2.15E-06	2.20E-07	3.21E-05	U	1.53E-04	1.05E-04	2.86E-05	U	8.51E-05	6.15E-05
ENGWESA006	10/12/2017	pCi/m3	2.19E-06	J	2.53E-06	3.62E-07	7.37E-05	U	1.73E-04	1.33E-04	8.71E-06	U	9.35E-05	6.71E-05
ENGWESA007	10/13/2017	pCi/m3	4.28E-06	J	3.98E-06	9.14E-07	4.80E-05	U	3.22E-04	2.12E-04	4.11E-05	U	1.21E-04	9.04E-05
ENGWESA008	10/14/2017	pCi/m3	3.66E-06	J	3.21E-06	2.67E-07	4.13E-05	U	1.74E-04	1.26E-04	9.00E-05	J	8.92E-05	7.12E-05
ENGWESA009	10/12/2017	pCi/m3	2.13E-06	J	2.61E-06	1.86E-07	5.78E-05	U	1.27E-04	9.69E-05	3.00E-05	U	8.93E-05	6.62E-05
ENGWESA010	10/14/2017	pCi/m3	6.69E-06	J	5.32E-06	2.42E-07	5.69E-05	U	1.55E-04	1.17E-04	1.44E-05	U	8.66E-05	6.29E-05
ENGWESA011	10/12/2017	pCi/m3	2.18E-06	J	2.97E-06	7.88E-07	2.48E-04	J	1.63E-04	1.63E-04	9.41E-05	J	1.07E-04	8.31E-05
ENGWESA012	10/14/2017	pCi/m3	1.56E-06	J	2.98E-06	6.05E-07	4.06E-04	J	2.62E-04	2.17E-04	9.36E-05	U	1.22E-04	9.56E-05
ENGWESA012 FIELD DUP	10/14/2017	pCi/m3	2.97E-06	J	3.93E-06	8.03E-08	1.55E-04	U	2.50E-04	1.80E-04	1.91E-04	J	1.35E-04	9.88E-05
ENGWESA013	10/13/2017	pCi/m3	4.70E-06	J	3.80E-06	2.90E-07	-3.67E-05	U	1.38E-04	1.21E-04	9.67E-06	U	9.14E-05	6.42E-05

Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Lead-210				Lead-214				Potassium-40			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	5/27/15 16:12	pCi/m <sup>3</sup>	8.89E-03		1.41E-03	7.43E-04	2.92E-05	U	1.11E-04	8.03E-05	9.26E-04	J	5.58E-04	3.10E-04
ENGWESA002	5/28/15 8:30	pCi/m <sup>3</sup>	1.14E-02		1.36E-03	6.90E-04	5.73E-05	J	6.31E-05	5.14E-05	5.69E-04	J	4.52E-04	3.82E-04
ENGWESA003	5/28/15 9:06	pCi/m <sup>3</sup>	9.09E-03		1.36E-03	7.73E-04	1.25E-04	J	8.57E-05	5.99E-05	1.31E-03		5.62E-04	4.87E-04
ENGWESA004	5/28/15 9:30	pCi/m <sup>3</sup>	7.43E-03		1.08E-03	5.70E-04	6.76E-05	U	1.05E-04	8.16E-05	3.62E-04	U	6.49E-04	5.38E-04
ENGWESA005	5/27/15 15:08	pCi/m <sup>3</sup>	9.97E-03		1.29E-03	4.96E-04	1.06E-04	J	5.95E-05	5.02E-05	4.23E-04	J	5.05E-04	4.01E-04
ENGWESA006	5/27/15 16:50	pCi/m <sup>3</sup>	6.55E-03		1.05E-03	6.07E-04	-3.19E-05	U	1.08E-04	7.92E-05	3.34E-04	U	6.29E-04	5.15E-04
ENGWESA007	5/27/15 12:00	pCi/m <sup>3</sup>	7.31E-03		1.01E-03	1.03E-03	1.68E-04	J	9.17E-05	6.53E-05	1.50E-03		5.82E-04	5.20E-04
ENGWESA008	5/27/15 15:38	pCi/m <sup>3</sup>	8.85E-03		1.28E-03	6.15E-04	1.02E-05	U	7.67E-05	5.46E-05	4.09E-04	U	6.28E-04	4.62E-04
ENGWESA009	5/28/15 10:42	pCi/m <sup>3</sup>												
ENGWESA010	5/28/15 11:06	pCi/m <sup>3</sup>	6.20E-03		1.11E-03	7.03E-04	3.27E-05	U	1.03E-04	7.87E-05	4.07E-04	U	6.17E-04	5.99E-04
ENGWESA011	5/27/15 9:10	pCi/m <sup>3</sup>	8.42E-03		1.26E-03	7.09E-04	9.75E-05	J	8.84E-05	6.00E-05	1.63E-03		6.19E-04	5.38E-04
ENGWESA012	5/27/15 10:36	pCi/m <sup>3</sup>	9.05E-03		1.20E-03	6.13E-04	3.25E-06	U	8.12E-05	5.78E-05	8.61E-04	J	6.66E-04	4.76E-04
ENGWESA013	5/27/15 11:17	pCi/m <sup>3</sup>	2.02E-02		2.65E-03	1.53E-03	1.22E-04	U	1.63E-04	1.33E-04	5.26E-04	U	1.34E-03	9.61E-04
ENGWESA001	6/24/15 12:15	pCi/m <sup>3</sup>	8.51E-03		1.22E-03	5.56E-04	1.19E-04	U	1.10E-04	8.76E-05	7.48E-04	J	5.84E-04	4.88E-04
ENGWESA002	6/24/15 9:40	pCi/m <sup>3</sup>	9.67E-03		1.28E-03	6.05E-04	1.12E-04	J	8.37E-05	5.82E-05	9.78E-04	J	5.12E-04	4.46E-04
ENGWESA003	6/24/15 10:40	pCi/m <sup>3</sup>	1.01E-02		1.47E-03	7.28E-04	3.23E-05	U	8.19E-05	5.96E-05	7.54E-04	J	4.99E-04	4.33E-04
ENGWESA004	6/24/15 11:40	pCi/m <sup>3</sup>	1.03E-02		1.33E-03	6.04E-04	8.59E-05	J	8.65E-05	5.86E-05	1.03E-03		5.09E-04	4.45E-04
ENGWESA005	6/23/15 10:30	pCi/m <sup>3</sup>	9.31E-03		1.32E-03	6.10E-04	3.64E-05	U	7.88E-05	5.76E-05	7.88E-04	J	5.19E-04	4.49E-04
ENGWESA006	6/24/15 13:00	pCi/m <sup>3</sup>	1.00E-03	J	6.24E-04	5.00E-04	8.47E-05	J	9.40E-05	7.42E-05	-6.94E-05	U	6.49E-04	4.72E-04
ENGWESA007	6/23/15 9:38	pCi/m <sup>3</sup>	1.06E-02		1.35E-03	4.84E-04	3.86E-05	U	6.24E-05	5.03E-05	5.59E-04	J	4.99E-04	4.10E-04
ENGWESA008	6/23/15 11:25	pCi/m <sup>3</sup>	9.34E-03		1.34E-03	7.27E-04	5.95E-05	J	8.84E-05	5.89E-05	7.61E-04	J	5.67E-04	4.65E-04
ENGWESA009	6/23/15 13:26	pCi/m <sup>3</sup>	9.50E-03		1.57E-03	8.94E-04	4.63E-05	U	1.04E-04	7.50E-05	6.84E-04	J	7.26E-04	5.69E-04
ENGWESA010	6/23/15 14:10	pCi/m <sup>3</sup>	9.78E-03		1.30E-03	5.27E-04	6.64E-05	J	5.90E-05	4.92E-05	5.16E-04	J	4.49E-04	3.69E-04
ENGWESA011	6/23/15 8:59	pCi/m <sup>3</sup>	1.08E-02		1.47E-03	7.50E-04	7.02E-05	J	8.57E-05	5.74E-05	1.36E-03		5.55E-04	4.89E-04
ENGWESA012	6/23/15 14:50	pCi/m <sup>3</sup>	1.25E-02		1.62E-03	6.08E-04	9.01E-05	J	7.85E-05	6.50E-05	1.12E-03	J	6.39E-04	5.53E-04
ENGWESA013	6/23/15 15:30	pCi/m <sup>3</sup>	9.92E-03		1.34E-03	6.73E-04	1.17E-04	J	8.26E-05	5.76E-05	1.05E-03		4.31E-04	4.02E-04
ENGWESA001	9/16/15 11:17	pCi/m <sup>3</sup>	2.54E-02		3.00E-03	7.42E-04	8.14E-05	J	9.83E-05	7.46E-05	8.05E-04	J	4.93E-04	2.38E-04
ENGWESA002														
ENGWESA003	9/17/15 8:46	pCi/m <sup>3</sup>	2.45E-02		2.77E-03	7.04E-04	1.12E-05	U	6.45E-05	5.12E-05	4.33E-04	J	5.07E-04	3.66E-04
ENGWESA004	9/17/15 9:02	pCi/m <sup>3</sup>	2.20E-02		2.39E-03	4.63E-04	-1.32E-05	U	9.98E-05	6.02E-05	7.32E-04	J	5.10E-04	3.14E-04
ENGWESA005	9/16/15 13:05	pCi/m <sup>3</sup>	2.41E-02		3.16E-03	1.31E-03	1.12E-04	U	1.99E-04	1.55E-04	1.14E-03	J	1.23E-03	1.10E-03
ENGWESA006	9/16/15 11:40	pCi/m <sup>3</sup>	2.67E-02		3.07E-03	6.81E-04	7.62E-05	J	6.50E-05	5.53E-05	6.75E-04	J	6.73E-04	4.93E-04
ENGWESA007	9/16/15 13:20	pCi/m <sup>3</sup>	2.11E-02		2.37E-03	6.36E-04	1.62E-04	J	9.30E-05	6.91E-05	1.01E-03	J	5.74E-04	5.36E-04
ENGWESA008	9/16/15 12:50	pCi/m <sup>3</sup>	2.32E-02		2.76E-03	7.16E-04	4.52E-05	U	8.80E-05	6.57E-05	6.55E-04	J	3.58E-04	0.00E+00
ENGWESA009	9/17/15 9:20	pCi/m <sup>3</sup>	2.10E-02		2.75E-03	1.14E-03	2.65E-05	U	1.62E-04	1.24E-04	9.71E-04	J	1.00E-03	8.95E-04
ENGWESA009 FIELD DUP	9/17/15 9:20	pCi/m <sup>3</sup>	1.94E-02		2.58E-03	1.11E-03	3.14E-05	U	1.72E-04	1.31E-04	3.47E-04	UJ	9.48E-04	7.68E-04
ENGWESA010	9/17/15 9:46	pCi/m <sup>3</sup>	2.35E-02		2.72E-03	6.14E-04	5.80E-05	J	6.68E-05	5.50E-05	1.87E-04	U	5.35E-04	4.04E-04
ENGWESA011	9/16/15 13:36	pCi/m <sup>3</sup>	2.27E-02		2.48E-03	5.29E-04	9.31E-05	J	1.06E-04	7.09E-05	1.28E-03		5.98E-04	2.73E-04
ENGWESA012	9/17/15 8:02	pCi/m <sup>3</sup>	2.14E-02		2.58E-03	7.15E-04	4.76E-05	U	8.91E-05	6.63E-05	7.55E-04	J	6.24E-04	5.41E-04
ENGWESA013	9/17/15 8:20	pCi/m <sup>3</sup>	2.23E-02		2.55E-03	9.13E-04	9.00E-05	J	6.67E-05	5.65E-05	5.50E-04	J	5.52E-04	4.68E-04

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Lead-210				Lead-214				Potassium-40			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	12/8/2015	pCi/m3	1.95E-02	J+	2.24E-03	1.00E-03	7.05E-05	J+	6.88E-05	5.72E-05	8.03E-05	U	3.78E-04	2.97E-04
ENGWESA002	12/8/2015	pCi/m3	1.72E-02	J+	1.94E-03	5.00E-04	5.61E-05	U	9.93E-05	6.57E-05	8.72E-04	J	5.44E-04	4.89E-04
ENGWESA003	12/8/2015	pCi/m3	1.88E-02	J+	2.32E-03	7.04E-04	1.23E-04	J+	9.58E-05	7.49E-05	1.72E-04	U	4.52E-04	3.42E-04
ENGWESA004	12/8/2015	pCi/m3	2.20E-02	J+	2.42E-03	5.87E-04	-2.60E-05	U	1.05E-04	6.24E-05	1.11E-03	J	5.96E-04	5.41E-04
ENGWESA005	12/8/2015	pCi/m3	2.22E-01	J+	2.65E-02	7.06E-03	4.46E-04	U	9.00E-04	6.68E-04	-3.06E-03	U	3.96E-03	4.43E-03
ENGWESA005 Field Dup	12/8/2015	pCi/m3	2.20E-02	J+	2.62E-03	6.88E-04	4.34E-05	U	9.42E-05	6.96E-05	-1.75E-04	U	2.85E-04	3.66E-04
ENGWESA006	12/8/2015	pCi/m3	2.23E-02	J+	2.86E-03	1.14E-03	1.10E-04	U	1.90E-04	1.48E-04	3.74E-04	U	1.05E-03	8.52E-04
ENGWESA007	12/8/2015	pCi/m3	2.08E-02	J+	2.47E-03	6.56E-04	4.89E-05	U	7.08E-05	5.76E-05	6.38E-04	J	5.54E-04	4.69E-04
ENGWESA008	12/8/2015	pCi/m3	2.10E-02	J+	2.31E-03	5.59E-04	5.68E-05	U	1.09E-04	7.19E-05	1.01E-03		4.70E-04	4.66E-04
ENGWESA009	12/8/2015	pCi/m3	2.01E-02	J+	2.78E-03	1.32E-03	1.35E-04	U	1.83E-04	1.44E-04	5.78E-04	U	1.08E-03	8.76E-04
ENGWESA010	12/8/2015	pCi/m3	1.63E-02	J+	1.91E-03	5.34E-04	8.03E-05	J+	6.71E-05	5.64E-05	3.49E-04	J	4.45E-04	3.22E-04
ENGWESA011	12/8/2015	pCi/m3	2.30E-02	J+	2.52E-03	5.60E-04	1.03E-04	J+	1.11E-04	7.45E-05	1.01E-03	J	5.28E-04	5.06E-04
ENGWESA012	12/8/2015	pCi/m3	2.10E-02	J+	2.51E-03	6.46E-04	6.72E-05	U	9.35E-05	7.02E-05	1.97E-04	U	6.43E-04	4.60E-04
ENGWESA013	12/8/2015	pCi/m3	2.76E-02	J+	3.17E-03	6.93E-04	1.90E-05	U	7.20E-05	5.76E-05	4.24E-04	J	4.90E-04	3.96E-04
ENGWESA001	3/2/2016	pCi/m3	1.82E-02	J+	2.13E-03	6.51E-04	2.82E-05	U	7.30E-05	5.85E-05	4.61E-04	J+	4.66E-04	3.96E-04
ENGWESA002	3/3/2016	pCi/m3	1.59E-02	J+	2.17E-03	1.11E-03	8.00E-05	J	1.10E-04	7.37E-05	1.11E-03	J+	5.31E-04	5.13E-04
ENGWESA003	3/3/2016	pCi/m3	1.36E-02	J+	1.93E-03	1.02E-03	4.25E-05	U	1.06E-04	6.90E-05	3.64E-04	UJ+	6.56E-04	5.13E-04
ENGWESA003 Field Dup	3/3/2016	pCi/m3	1.33E-02	J+	1.76E-03	6.68E-04	5.52E-05	U	9.55E-05	7.09E-05	7.17E-04	J+	6.84E-04	5.65E-04
ENGWESA004	3/3/2016	pCi/m3	1.61E-02	J+	2.12E-03	8.28E-04	2.36E-05	U	1.02E-04	7.40E-05	1.45E-04	UJ+	7.36E-04	4.99E-04
ENGWESA005	3/2/2016	pCi/m3	1.74E-02	J+	2.15E-03	6.86E-04	1.60E-04	J	1.04E-04	7.93E-05	7.19E-04	J+	4.90E-04	2.97E-04
ENGWESA006	3/2/2016	pCi/m3	1.40E-02	J+	1.74E-03	6.75E-04	1.09E-04	J	1.05E-04	7.30E-05	8.80E-04	J+	5.60E-04	5.09E-04
ENGWESA007	3/2/2016	pCi/m3	1.40E-02	J+	1.94E-03	1.30E-03	1.51E-04	J	1.35E-04	1.08E-04	-3.39E-04	UJ+	1.06E-03	5.27E-04
ENGWESA008	3/3/2016	pCi/m3	2.07E-02	J+	2.98E-03	1.50E-03	-2.32E-05	U	2.16E-04	1.60E-04	7.37E-04	UJ+	9.77E-04	8.59E-04
ENGWESA009	3/3/2016	pCi/m3	1.55E-02	J+	1.96E-03	6.62E-04	9.08E-05	J	7.77E-05	6.55E-05	9.15E-04	J+	4.70E-04	4.72E-04
ENGWESA010	3/2/2016	pCi/m3	8.76E-03	J+	1.54E-03	9.58E-04	1.68E-04	J	1.02E-04	7.48E-05	8.04E-04	J+	5.43E-04	5.00E-04
ENGWESA011	3/2/2016	pCi/m3	1.69E-02	J+	2.16E-03	7.45E-04	6.94E-05	U	1.11E-04	8.29E-05	3.34E-04	UJ+	4.61E-04	3.83E-04
ENGWESA012	3/2/2016	pCi/m3	1.77E-02	J+	2.61E-03	1.34E-03	1.62E-04	U	2.10E-04	1.65E-04	1.41E-04	UJ+	9.77E-04	7.60E-04
ENGWESA013	3/2/2016	pCi/m3	1.77E-02	J+	2.16E-03	6.43E-04	-1.08E-05	U	7.31E-05	5.64E-05	4.63E-04	J+	5.18E-04	4.34E-04
ENGWESA001	5/26/2016	pCi/m3	5.39E-03	J+	9.20E-04	4.88E-04	-4.96E-05	UJ	9.51E-05	6.40E-05	4.21E-04	U	6.06E-04	4.79E-04
ENGWESA002	5/27/2016	pCi/m3	7.29E-03	J+	1.43E-03	8.64E-04	1.45E-04	U	2.07E-04	1.57E-04	2.71E-04	U	1.09E-03	8.25E-04
ENGWESA003	5/27/2016	pCi/m3	5.98E-03	J+	1.42E-03	9.56E-04	1.72E-04	J	1.83E-04	1.45E-04	-2.04E-05	U	1.01E-03	7.39E-04
ENGWESA003 Field Dup	5/27/2016	pCi/m3	6.63E-03	J+	1.40E-03	8.87E-04	1.76E-05	U	2.04E-04	1.52E-04	2.59E-04	U	9.65E-04	7.69E-04
ENGWESA004	5/27/2016	pCi/m3	8.39E-03	J+	1.23E-03	5.68E-04	3.20E-05	U	7.65E-05	6.19E-05	2.20E-04	U	4.92E-04	3.81E-04
ENGWESA005	5/26/2016	pCi/m3	1.15E-02	J+	1.88E-03	8.88E-04	6.20E-05	U	1.13E-04	7.33E-05	-1.02E-04	U	5.69E-04	3.90E-04
ENGWESA006	5/26/2016	pCi/m3	7.69E-03	J+	1.15E-03	5.23E-04	1.62E-04	J	1.03E-04	7.80E-05	7.17E-05	U	5.78E-04	3.91E-04
ENGWESA007	5/26/2016	pCi/m3	8.29E-03	J+	1.82E-03	1.21E-03	1.13E-04	U	2.07E-04	1.59E-04	4.97E-04	U	1.03E-03	8.66E-04
ENGWESA008	5/26/2016	pCi/m3	8.91E-03	J+	1.32E-03	6.19E-04	9.67E-05	J	7.23E-05	6.17E-05	2.69E-04	U	5.31E-04	4.09E-04
ENGWESA009	5/27/2016	pCi/m3	9.37E-03	J+	1.41E-03	4.64E-04	1.27E-04	J	1.11E-04	7.66E-05	6.26E-04	J	4.61E-04	4.32E-04
ENGWESA010	5/27/2016	pCi/m3	7.12E-03	J+	1.10E-03	5.23E-04	5.51E-05	U	8.96E-05	6.66E-05	1.93E-04	U	5.51E-04	4.00E-04
ENGWESA011	5/27/2016	pCi/m3	8.71E-03	J+	1.70E-03	1.07E-03	-3.61E-05	U	1.96E-04	1.44E-04	-1.38E-04	U	1.05E-03	7.40E-04
ENGWESA012	5/26/2016	pCi/m3	1.55E-02	J+	2.31E-03	1.08E-03	2.18E-04	J	1.34E-04	1.06E-04	9.63E-04	J	9.93E-04	8.53E-04
ENGWESA013	5/27/2016	pCi/m3	1.10E-02	J+	1.67E-03	6.47E-04	9.82E-05	J	1.18E-04	9.39E-05	8.35E-04	J	5.42E-04	3.48E-04

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Lead-210				Lead-214				Potassium-40			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	8/17/2016	pCi/m3	1.99E-02	J+	2.74E-03	8.04E-04	9.31E-05	J	1.18E-04	7.84E-05	6.04E-04	J	4.23E-04	4.10E-04
ENGWESA002	8/19/2016	pCi/m3	1.29E-02	J+	2.02E-03	1.03E-03	1.74E-04	J	1.25E-04	1.07E-04	9.13E-04	J	9.73E-04	7.93E-04
ENGWESA003	8/19/2016	pCi/m3	1.25E-02	J+	2.49E-03	1.61E-03	8.79E-04	U	2.70E-04	2.07E-04	5.75E-04	U	1.55E-03	1.22E-03
ENGWESA004	8/19/2016	pCi/m3	1.44E-02	J+	1.89E-03	7.66E-04	4.79E-05	U	7.65E-05	6.25E-05	7.01E-04	J	5.22E-04	4.64E-04
ENGWESA005	8/17/2016	pCi/m3	1.47E-02	J+	1.93E-03	7.32E-04	1.46E-04	J	1.46E-04	1.17E-04	3.10E-04	U	6.12E-04	4.57E-04
ENGWESA006	8/19/2016	pCi/m3	1.59E-02	J+	2.25E-03	7.04E-04	9.37E-05	J	1.14E-04	7.69E-05	5.21E-04	J	4.69E-04	4.20E-04
ENGWESA007	8/17/2016	pCi/m3	9.36E-03	J+	1.41E-03	6.87E-04	1.56E-04	J	7.93E-05	8.33E-05	8.91E-04	J	5.68E-04	5.29E-04
ENGWESA008	8/17/2016	pCi/m3	1.26E-02	J+	1.69E-03	6.58E-04	9.14E-05	J	1.09E-04	8.21E-05	2.41E-04	U	7.33E-04	5.21E-04
ENGWESA009	8/19/2016	pCi/m3	1.40E-02	J+	2.25E-03	9.64E-04	1.57E-04	J	1.41E-04	9.86E-05	3.24E-04	U	7.06E-04	5.52E-04
ENGWESA010	8/19/2016	pCi/m3	8.99E-03	J+	1.72E-03	1.06E-03	-1.56E-05	U	2.09E-04	1.56E-04	7.84E-04	J	7.44E-04	4.12E-04
ENGWESA011	8/19/2016	pCi/m3	1.26E-02	J+	1.66E-03	6.70E-04	2.79E-04	U	1.15E-04	9.41E-05	2.20E-04	U	5.05E-04	3.94E-04
ENGWESA012	8/17/2016	pCi/m3	1.43E-02	J+	1.91E-03	7.71E-04	9.17E-05	J	1.17E-04	8.78E-05	3.69E-05	U	5.93E-04	3.97E-04
ENGWESA013	8/19/2016	pCi/m3	1.68E-02	J+	2.36E-03	7.14E-04	1.57E-04	J	1.38E-04	1.06E-04	3.56E-04	U	4.72E-04	3.97E-04
ENGWESA013 FD	8/19/2016	pCi/m3	1.83E-02	J+	2.53E-03	7.22E-04	-3.54E-05	U	1.15E-04	6.92E-05	5.72E-04	J	4.43E-04	4.16E-04
ENGWESA001	11/16/2016	pCi/m3	2.48E-02		2.90E-03	7.59E-04	1.24E-04	J	8.60E-05	7.24E-05	8.83E-04	J	5.10E-04	4.77E-04
ENGWESA002	11/16/2016	pCi/m3	2.93E-02		3.74E-03	7.11E-04	2.55E-04	J	1.79E-04	1.36E-04	-1.81E-05	U	5.83E-04	4.13E-04
ENGWESA003	11/17/2016	pCi/m3	2.47E-02		2.95E-03	8.44E-04	1.66E-04	J	1.19E-04	9.09E-05	1.58E-04	U	6.14E-04	4.34E-04
ENGWESA004	11/17/2016	pCi/m3	3.19E-02		4.15E-03	8.60E-04	1.84E-05	U	1.18E-04	7.37E-05	4.32E-04	J	4.79E-04	3.43E-04
ENGWESA005	11/17/2016	pCi/m3	2.22E-02		2.62E-03	6.50E-04	-5.63E-05	U	1.07E-04	7.30E-05	3.57E-05	U	6.20E-04	4.02E-04
ENGWESA006	11/16/2016	pCi/m3	2.64E-02		3.08E-03	8.33E-04	1.50E-05	U	8.22E-05	6.53E-05	3.97E-04	U	4.71E-04	4.03E-04
ENGWESA007	11/17/2016	pCi/m3	2.28E-02		3.09E-03	7.74E-04	-2.55E-06	U	1.19E-04	7.41E-05	3.56E-04	U	5.20E-04	4.28E-04
ENGWESA008	11/16/2016	pCi/m3	2.57E-02		3.10E-03	2.03E-03	3.12E-05	U	2.12E-04	1.60E-04	-2.88E-04	U	9.91E-04	6.69E-04
ENGWESA009	11/17/2016	pCi/m3	2.99E-02		3.42E-03	8.33E-04	1.10E-04	J	8.68E-05	7.24E-05	4.66E-04	J	4.81E-04	4.16E-04
ENGWESA010	11/16/2016	pCi/m3	2.92E-02		3.84E-03	8.09E-04	2.78E-05	U	1.15E-04	7.45E-05	4.17E-04	U	5.13E-04	4.22E-04
ENGWESA010 FD	11/16/2016	pCi/m3	2.70E-02		3.61E-03	8.58E-04	4.17E-05	U	1.16E-04	7.63E-05	3.90E-04	U	5.33E-04	4.32E-04
ENGWESA011	11/16/2016	pCi/m3	2.38E-02		3.29E-03	1.57E-03	-6.47E-05	U	2.37E-04	1.74E-04	-8.28E-04	U	1.44E-03	9.07E-04
ENGWESA012	11/16/2016	pCi/m3	2.13E-02		2.55E-03	7.67E-04	1.02E-04	J	7.45E-05	6.31E-05	3.22E-04	U	4.38E-04	3.62E-04
ENGWESA013	11/17/2016	pCi/m3	2.62E-02		3.09E-03	8.22E-04	3.79E-05	U	1.13E-04	8.17E-05	6.95E-04	J	3.99E-04	1.42E-04
ENGWESA001	2/7/2017	pCi/m3	1.31E-02		1.46E-03	1.03E-03	3.02E-05	U	1.26E-04	7.91E-05	-9.91E-05	U	2.27E-04	4.70E-04
ENGWESA002	2/7/2017	pCi/m3	1.93E-02		2.54E-03	1.84E-03	1.67E-04	J	1.47E-04	1.13E-04	6.98E-05	U	1.30E-03	8.68E-04
ENGWESA003	2/7/2017	pCi/m3	1.69E-02		1.92E-03	1.34E-03	3.00E-05	U	1.33E-04	9.63E-05	6.34E-04	J	6.99E-04	5.10E-04
ENGWESA004	2/7/2017	pCi/m3	1.94E-02		2.32E-03	1.62E-03	5.71E-05	U	1.49E-04	1.09E-04	-3.08E-05	U	1.08E-03	6.01E-04
ENGWESA005	2/6/2017	pCi/m3	4.92E-01	J	1.56E+00	3.45E-02	-3.90E-05	U	2.00E-04	1.40E-04	0.00E+00	U	1.03E-03	7.72E-04
ENGWESA006	2/7/2017	pCi/m3	1.70E-02		1.92E-03	1.18E-03	-3.52E-06	U	1.32E-04	9.34E-05	1.49E-04	U	7.04E-04	5.20E-04
ENGWESA007	2/6/2017	pCi/m3	1.25E-02		1.56E-03	6.04E-04	5.12E-05	U	1.06E-04	7.73E-05	6.82E-04	J	6.56E-04	4.60E-04
ENGWESA008	2/6/2017	pCi/m3	1.43E-02		1.82E-03	8.79E-04	1.60E-04	J	9.99E-05	7.29E-05	-4.49E-04	U	6.87E-04	3.87E-04
ENGWESA008 FD	2/6/2017	pCi/m3	1.50E-02		1.86E-03	7.54E-04	1.52E-05	U	1.16E-04	8.28E-05	2.02E-04	U	5.12E-04	3.98E-04
ENGWESA009	2/7/2017	pCi/m3	1.54E-02		2.09E-03	9.55E-04	5.51E-05	U	1.35E-04	9.83E-05	1.05E-03	J	8.92E-04	6.09E-04
ENGWESA010	2/6/2017	pCi/m3	3.51E-01	J	1.06E+00	2.50E-02	3.88E-05	U	1.56E-04	1.14E-04	-4.61E-04	U	1.08E-03	7.05E-04
ENGWESA011	2/6/2017	pCi/m3	1.51E-02		1.82E-03	6.44E-04	2.75E-05	U	1.12E-04	8.14E-05	6.23E-04	J	5.12E-04	4.57E-04
ENGWESA012	2/6/2017	pCi/m3	1.63E-02		1.77E-03	4.70E-04	4.61E-07	U	1.18E-04	7.40E-05	2.67E-04	U	5.75E-04	4.55E-04
ENGWESA013	2/6/2017	pCi/m3	1.66E-02		2.14E-03	8.80E-04	9.48E-05	J	1.23E-04	9.25E-05	1.21E-04	U	8.18E-04	5.57E-04

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Lead-210				Lead-214				Potassium-40			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	4/27/2017	pCi/m3	9.25E-03		1.39E-03	7.54E-04	9.67E-05	J	1.15E-04	8.61E-05	6.98E-04	J	5.68E-04	3.68E-04
ENGWESA002	4/27/2017	pCi/m3	9.04E-03		1.18E-03	5.05E-04	9.77E-05	J	1.26E-04	8.49E-05	2.58E-04	U	5.46E-04	4.36E-04
ENGWESA003	4/27/2017	pCi/m3	1.15E-02		1.69E-03	8.52E-04	-2.63E-05	U	1.42E-04	9.97E-05	2.65E-04	U	6.22E-04	4.62E-04
ENGWESA004	4/27/2017	pCi/m3												
ENGWESA005	4/27/2017	pCi/m3	1.11E-02		1.80E-03	1.03E-03	2.06E-04	J	1.42E-04	1.22E-04	-1.31E-04	U	8.23E-04	4.87E-04
ENGWESA005 FD	4/27/2017	pCi/m3	9.89E-03		1.45E-03	7.47E-04	1.88E-04	J	1.20E-04	9.39E-05	7.61E-04	J	4.78E-04	4.64E-04
ENGWESA006	4/27/2017	pCi/m3	2.72E-01	J	8.27E-01	2.36E-02	2.74E-05	U	1.85E-04	1.33E-04	3.77E-04	U	9.59E-04	7.86E-04
ENGWESA007	4/27/2017	pCi/m3	9.03E-03		1.33E-03	7.00E-04	1.48E-04	J	1.12E-04	8.55E-05	5.02E-04	J	4.42E-04	3.97E-04
ENGWESA008	4/27/2017	pCi/m3	9.27E-03		1.24E-03	5.70E-04	5.66E-05	U	1.16E-04	7.74E-05	4.40E-04	J	4.97E-04	2.70E-04
ENGWESA009	4/27/2017	pCi/m3	1.00E-02		1.61E-03	9.06E-04	1.43E-04	J	1.39E-04	1.04E-04	5.45E-04	J	5.61E-04	3.61E-04
ENGWESA010	4/27/2017	pCi/m3	2.41E-01	J	7.22E-01	1.97E-02	-3.63E-06	U	1.83E-04	1.29E-04	7.35E-04	J	7.59E-04	7.20E-04
ENGWESA011	4/27/2017	pCi/m3	1.11E-02		1.53E-03	7.41E-04	7.35E-05	U	1.17E-04	8.65E-05	6.80E-04	J	5.07E-04	3.01E-04
ENGWESA012	4/27/2017	pCi/m3	7.31E-03		1.05E-03	5.34E-04	8.45E-06	U	1.05E-04	6.72E-05	2.41E-04	U	4.96E-04	3.98E-04
ENGWESA013	4/27/2017	pCi/m3	9.84E-03		1.75E-03	1.09E-03	1.62E-04	J	1.45E-04	1.15E-04	7.11E-04	J	5.02E-04	2.44E-04
ENGWESA001	7/20/2017	pCi/m3	1.24E-02		1.62E-03	9.67E-04	4.39E-05	U	1.24E-04	9.07E-05	7.81E-04	J	5.22E-04	5.13E-04
ENGWESA002	7/20/2017	pCi/m3	4.61E-01	J	1.44E+00	2.26E-02	1.87E-04	J	1.70E-04	1.29E-04	9.40E-04	J	8.75E-04	5.62E-04
ENGWESA002 FD	7/20/2017	pCi/m3	1.48E-02	J	1.85E-03	7.73E-04	1.49E-04	J	1.37E-04	1.10E-04	1.52E-04	U	5.59E-04	4.20E-04
ENGWESA003	7/20/2017	pCi/m3	3.82E-01	J	1.19E+00	2.13E-02	9.70E-05	U	1.65E-04	1.23E-04	8.79E-04	J	7.46E-04	7.27E-04
ENGWESA004	7/20/2017	pCi/m3	4.28E-01	J	1.29E+00	2.38E-02	4.61E-05	U	1.79E-04	1.30E-04	-8.11E-05	U	3.59E-04	8.01E-04
ENGWESA005	7/21/2017	pCi/m3	1.15E-02		1.43E-03	5.41E-04	1.70E-04	J	1.30E-04	1.02E-04	2.88E-04	U	5.03E-04	4.01E-04
ENGWESA006	7/20/2017	pCi/m3	9.72E-03		1.25E-03	8.11E-04	1.12E-04	J	1.10E-04	7.64E-05	2.43E-04	U	5.20E-04	4.15E-04
ENGWESA007	7/21/2017	pCi/m3	1.90E-02		2.71E-03	1.44E-03	1.44E-04	J	1.62E-04	1.31E-04	1.96E-04	U	8.84E-04	6.12E-04
ENGWESA008	7/20/2017	pCi/m3	4.31E-01	J	1.29E+00	2.16E-02	1.35E-04	J	1.41E-04	1.11E-04	4.15E-04	U	8.10E-04	6.66E-04
ENGWESA009	7/20/2017	pCi/m3	1.63E-02		1.86E-03	1.07E-03	1.66E-04	J	1.48E-04	1.18E-04	6.65E-04	J	6.03E-04	5.12E-04
ENGWESA010	7/20/2017	pCi/m3	1.64E-02		2.05E-03	7.39E-04	7.58E-05	U	1.39E-04	1.02E-04	1.36E-04	U	7.69E-04	5.06E-04
ENGWESA011	7/20/2017	pCi/m3	6.18E-03		1.14E-03	1.05E-03	-1.11E-07	U	1.24E-04	7.61E-05	-1.15E-04	U	5.00E-04	3.30E-04
ENGWESA012	7/21/2017	pCi/m3	3.93E-01	J	1.22E+00	2.17E-02	1.34E-04	J	1.63E-04	1.23E-04	3.15E-06	U	6.98E-04	4.98E-04
ENGWESA013	7/21/2017	pCi/m3	7.93E-03		1.31E-03	8.17E-04	-2.95E-05	U	1.06E-04	6.35E-05	2.22E-04	U	3.66E-04	3.10E-04
ENGWESA001	10/12/2017	pCi/m3	4.57E-03		1.05E-03	7.10E-04	1.18E-04	J	9.13E-05	7.29E-05	8.87E-05	U	6.11E-04	4.07E-04
ENGWESA002	10/12/2017	pCi/m3	4.39E-03		7.49E-04	4.20E-04	1.56E-04	J	9.28E-05	6.98E-05	4.31E-04	U	6.14E-04	4.74E-04
ENGWESA003	10/13/2017	pCi/m3	5.32E-03		8.75E-04	4.74E-04	5.18E-05	U	9.32E-05	6.91E-05	1.90E-04	U	4.79E-04	3.64E-04
ENGWESA004	10/13/2017	pCi/m3	4.92E-03		7.55E-04	3.83E-04	8.62E-05	J	8.32E-05	5.97E-05	5.67E-04	J	5.76E-04	4.67E-04
ENGWESA005	10/13/2017	pCi/m3	3.67E-03		7.71E-04	4.96E-04	1.43E-04	J	7.26E-05	5.71E-05	4.56E-04	J	4.47E-04	3.86E-04
ENGWESA006	10/12/2017	pCi/m3	4.52E-03		1.07E-03	7.44E-04	2.43E-05	U	9.22E-05	6.77E-05	6.56E-04	J	5.07E-04	2.86E-04
ENGWESA007	10/13/2017	pCi/m3	1.40E-01	J	4.65E-01	1.92E-02	9.11E-05	U	1.34E-04	1.01E-04	4.76E-04	U	8.55E-04	7.07E-04
ENGWESA008	10/14/2017	pCi/m3	4.17E-03		7.15E-04	4.00E-04	1.27E-04	J	9.27E-05	6.68E-05	2.09E-04	U	6.48E-04	4.43E-04
ENGWESA009	10/12/2017	pCi/m3	3.94E-03		8.67E-04	5.74E-04	8.27E-05	J	8.99E-05	6.83E-05	8.49E-04	J	5.57E-04	3.22E-04
ENGWESA010	10/14/2017	pCi/m3	4.36E-03		8.00E-04	4.70E-04	1.19E-04	J	1.13E-04	8.95E-05	7.88E-04	J	5.44E-04	4.83E-04
ENGWESA011	10/12/2017	pCi/m3	4.38E-03		7.64E-04	4.31E-04	7.04E-05	J	9.23E-05	6.35E-05	1.03E-03	J	6.17E-04	5.67E-04
ENGWESA012	10/14/2017	pCi/m3	1.57E-01	J	4.90E-01	1.40E-02	2.68E-04	J	1.52E-04	1.11E-04	1.45E-04	U	8.09E-04	6.08E-04
ENGWESA012 FIELD DUP	10/14/2017	pCi/m3	1.57E-01	J	5.14E-01	2.06E-02	1.30E-04	J	1.26E-04	9.73E-05	2.42E-04	U	7.88E-04	6.31E-04
ENGWESA013	10/13/2017	pCi/m3	4.80E-03		9.44E-04	5.83E-04	-5.11E-05	U	1.01E-04	6.78E-05	-1.07E-04	U	5.82E-04	3.53E-04

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Protactinium-231				Thorium-230				Thorium-232			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	5/27/15 16:12	pCi/m <sup>3</sup>	6.31E-05	U	1.78E-03	1.27E-03	2.36E-05	J	1.08E-05	5.78E-06	2.75E-06	J	3.58E-06	4.28E-07
ENGWESA002	5/28/15 8:30	pCi/m <sup>3</sup>	9.50E-04	J	1.08E-03	8.63E-04	2.76E-05	J	1.38E-05	8.53E-06	1.18E-05	J	8.92E-06	1.11E-07
ENGWESA003	5/28/15 9:06	pCi/m <sup>3</sup>	-2.36E-04	U	1.44E-03	8.92E-04	2.76E-05	J	1.02E-05	4.02E-06	8.91E-06	J	5.16E-06	1.71E-07
ENGWESA004	5/28/15 9:30	pCi/m <sup>3</sup>	2.49E-04	U	1.46E-03	1.32E-03	3.14E-05	J	1.11E-05	3.78E-06	1.45E-05	J	6.76E-06	1.71E-07
ENGWESA005	5/27/15 15:08	pCi/m <sup>3</sup>	-8.81E-04	U	1.02E-03	7.56E-04	2.93E-05	J	1.06E-05	4.05E-06	1.16E-05	J	6.05E-06	4.11E-07
ENGWESA006	5/27/15 16:50	pCi/m <sup>3</sup>	2.05E-04	U	1.77E-03	1.33E-03	3.08E-05	J	1.12E-05	4.12E-06	1.66E-05	J	7.53E-06	4.30E-07
ENGWESA007	5/27/15 12:00	pCi/m <sup>3</sup>	-4.21E-04	U	1.51E-03	9.26E-04	5.81E-05	J	1.78E-05	4.38E-06	1.68E-05	J	7.84E-06	1.97E-07
ENGWESA008	5/27/15 15:38	pCi/m <sup>3</sup>	7.96E-04	U	1.41E-03	1.03E-03	3.17E-05	J	1.12E-05	4.08E-06	8.38E-06	J	5.03E-06	1.73E-07
ENGWESA009	5/28/15 10:42	pCi/m <sup>3</sup>												
ENGWESA010	5/28/15 11:06	pCi/m <sup>3</sup>	2.80E-03	J	1.64E-03	1.32E-03	4.14E-05	J	1.45E-05	4.58E-06	1.50E-05	J	7.56E-06	2.07E-07
ENGWESA011	5/27/15 9:10	pCi/m <sup>3</sup>	8.74E-05	U	1.46E-03	9.25E-04	3.65E-05	J	1.27E-05	4.40E-06	1.64E-05	J	7.63E-06	4.46E-07
ENGWESA012	5/27/15 10:36	pCi/m <sup>3</sup>	9.05E-04	J	1.08E-03	8.65E-04	3.51E-05	J	1.21E-05	4.09E-06	1.13E-05	J	6.10E-06	4.28E-07
ENGWESA013	5/27/15 11:17	pCi/m <sup>3</sup>	2.16E-04	U	2.81E-03	2.20E-03	4.39E-05	J	1.62E-05	5.80E-06	1.80E-05	J	9.22E-06	2.62E-07
ENGWESA001	6/24/15 12:15	pCi/m <sup>3</sup>	7.07E-04	U	1.26E-03	1.01E-03	1.75E-05	J	9.15E-06	5.84E-06	7.10E-06	J	5.56E-06	2.56E-07
ENGWESA002	6/24/15 9:40	pCi/m <sup>3</sup>	-2.38E-04	U	1.24E-03	9.13E-04	8.08E-06	U	6.85E-06	7.73E-06	6.78E-07	U	2.83E-06	8.08E-07
ENGWESA003	6/24/15 10:40	pCi/m <sup>3</sup>	-4.68E-04	U	1.53E-03	1.06E-03	1.90E-05		8.79E-06	5.45E-06	2.35E-06	U	4.03E-06	2.51E-06
ENGWESA004	6/24/15 11:40	pCi/m <sup>3</sup>	-3.29E-04	U	1.49E-03	9.23E-04	3.87E-05		1.24E-05	3.67E-06	1.68E-05		7.19E-06	2.72E-07
ENGWESA005	6/23/15 10:30	pCi/m <sup>3</sup>	8.39E-04	U	1.38E-03	1.01E-03	3.39E-05		1.29E-05	5.39E-06	1.06E-05	J	6.59E-06	9.65E-07
ENGWESA006	6/24/15 13:00	pCi/m <sup>3</sup>	8.85E-04	U	1.45E-03	1.12E-03	1.05E-05	J	5.68E-06	3.88E-06	5.82E-06	J	4.10E-06	2.79E-07
ENGWESA007	6/23/15 9:38	pCi/m <sup>3</sup>	-4.38E-04	U	1.10E-03	8.34E-04	2.93E-05		1.12E-05	5.10E-06	1.08E-05	J	6.57E-06	1.94E-06
ENGWESA008	6/23/15 11:25	pCi/m <sup>3</sup>	-9.23E-04	U	1.58E-03	9.44E-04	1.93E-05		8.73E-06	4.84E-06	4.32E-06	J	4.58E-06	2.08E-06
ENGWESA009	6/23/15 13:26	pCi/m <sup>3</sup>	6.21E-04	U	1.74E-03	1.26E-03	3.05E-05		1.28E-05	6.36E-06	6.92E-06	J	5.56E-06	4.32E-07
ENGWESA010	6/23/15 14:10	pCi/m <sup>3</sup>	8.74E-04	U	1.11E-03	8.89E-04	2.66E-05		1.07E-05	6.01E-06	7.44E-06	J	5.34E-06	1.26E-06
ENGWESA011	6/23/15 8:59	pCi/m <sup>3</sup>	1.26E-03	J	1.45E-03	9.70E-04	2.23E-05		1.03E-05	5.81E-06	6.18E-06	J	5.11E-06	5.56E-07
ENGWESA012	6/23/15 14:50	pCi/m <sup>3</sup>	7.07E-04	U	1.36E-03	1.09E-03	4.96E-05		1.90E-05	7.64E-06	2.12E-05	J	1.12E-05	7.52E-07
ENGWESA013	6/23/15 15:30	pCi/m <sup>3</sup>	-7.66E-04	U	1.49E-03	8.92E-04	1.78E-05		8.47E-06	5.80E-06	3.21E-06	J	3.49E-06	7.18E-07
ENGWESA001	9/16/15 11:17	pCi/m <sup>3</sup>	1.24E-03	U	1.69E-03	1.26E-03	3.45E-05	J+	1.52E-05	7.10E-06	1.55E-05	J+	9.37E-06	3.46E-07
ENGWESA002														
ENGWESA003	9/17/15 8:46	pCi/m <sup>3</sup>	-2.80E-04	U	1.19E-03	9.16E-04	7.03E-05	J+	2.12E-05	4.00E-06	1.79E-05	J+	8.19E-06	2.08E-07
ENGWESA004	9/17/15 9:02	pCi/m <sup>3</sup>	-2.07E-04	U	1.52E-03	9.49E-04	4.82E-05	J+	1.46E-05	3.20E-06	1.22E-05	J+	5.91E-06	5.74E-07
ENGWESA005	9/16/15 13:05	pCi/m <sup>3</sup>	6.49E-04	U	3.16E-03	2.39E-03	2.85E-05	J+	9.94E-06	3.83E-06	1.25E-05	J+	5.91E-06	8.40E-07
ENGWESA006	9/16/15 11:40	pCi/m <sup>3</sup>	-9.83E-06	U	1.21E-03	9.42E-04	8.06E-05	J+	2.19E-05	3.58E-06	2.74E-05	J+	9.77E-06	6.07E-08
ENGWESA007	9/16/15 13:20	pCi/m <sup>3</sup>	-8.43E-04	U	1.72E-03	1.02E-03	3.67E-05	J+	1.11E-05	3.22E-06	9.39E-06	J+	4.68E-06	3.97E-07
ENGWESA008	9/16/15 12:50	pCi/m <sup>3</sup>	1.30E-03	J	1.53E-03	1.14E-03	5.87E-05	J+	1.61E-05	3.48E-06	2.23E-05	J+	7.94E-06	4.18E-07
ENGWESA009	9/17/15 9:20	pCi/m <sup>3</sup>	-1.52E-03	U	3.00E-03	2.16E-03	2.34E-05	J+	1.12E-05	6.76E-06	1.32E-05	J+	8.11E-06	1.52E-06
ENGWESA009 FIELD DUP	9/17/15 9:20	pCi/m <sup>3</sup>	-2.06E-03	U	2.81E-03	1.97E-03	7.12E-05	J+	2.33E-05	6.39E-06	2.36E-05	J+	1.15E-05	1.12E-07
ENGWESA010	9/17/15 9:46	pCi/m <sup>3</sup>	3.91E-04	U	1.13E-03	9.07E-04	7.20E-05	J+	1.89E-05	3.15E-06	2.64E-05	J+	8.85E-06	3.29E-07
ENGWESA011	9/16/15 13:36	pCi/m <sup>3</sup>	-2.79E-04	U	1.63E-03	9.74E-04	7.63E-05	J+	2.03E-05	5.12E-06	3.07E-05	J+	1.01E-05	6.59E-07
ENGWESA012	9/17/15 8:02	pCi/m <sup>3</sup>	-2.16E-03	U	1.67E-03	1.05E-03	8.64E-05	J+	2.13E-05	2.70E-06	1.79E-05	J+	6.78E-06	4.87E-08
ENGWESA013	9/17/15 8:20	pCi/m <sup>3</sup>	3.14E-04	U	1.19E-03	9.46E-04	2.21E-05	J+	7.82E-06	2.48E-06	6.96E-06	J+	3.89E-06	1.34E-07

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Protactinium-231				Thorium-230				Thorium-232			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	12/8/2015	pCi/m3	-1.54E-04	U	1.34E-03	1.04E-03	6.58E-05	J+	2.22E-05	6.35E-06	2.05E-05	J+	1.07E-05	1.15E-07
ENGWESA002	12/8/2015	pCi/m3	1.08E-03	U	1.78E-03	1.18E-03	5.18E-05	J+	1.53E-05	2.93E-06	1.22E-05	J+	5.83E-06	3.59E-07
ENGWESA003	12/8/2015	pCi/m3	5.66E-04	U	1.95E-03	1.40E-03	5.99E-05	J+	1.74E-05	3.37E-06	1.77E-05	J+	7.42E-06	2.78E-07
ENGWESA004	12/8/2015	pCi/m3	-1.02E-03	U	2.02E-03	1.21E-03	4.94E-05	J+	1.53E-05	5.81E-06	1.67E-05	J+	7.56E-06	2.60E-06
ENGWESA005	12/8/2015	pCi/m3	-1.08E-02	U	1.99E-02	1.34E-02	7.02E-05	J+	2.38E-05	6.28E-06	2.51E-05	J+	1.22E-05	5.55E-07
ENGWESA005 Field Dup	12/8/2015	pCi/m3	1.55E-03	J+	1.93E-03	1.42E-03	3.09E-05	J+	1.43E-05	7.16E-06	1.19E-05	J+	8.51E-06	1.25E-07
ENGWESA006	12/8/2015	pCi/m3	3.87E-03	J+	3.91E-03	3.02E-03	6.02E-05	J+	1.73E-05	3.54E-06	1.34E-05	J+	6.58E-06	1.93E-06
ENGWESA007	12/8/2015	pCi/m3	1.69E-03	J+	1.46E-03	1.18E-03	7.22E-05	J+	2.01E-05	3.49E-06	2.01E-05	J+	8.08E-06	4.97E-07
ENGWESA008	12/8/2015	pCi/m3	3.69E-04	U	1.95E-03	1.24E-03	5.79E-05	J+	1.68E-05	3.37E-06	2.01E-05	J+	7.94E-06	3.74E-07
ENGWESA009	12/8/2015	pCi/m3	1.27E-03	U	3.26E-03	2.49E-03	4.84E-05	J+	1.47E-05	3.06E-06	1.49E-05	J+	6.52E-06	1.59E-07
ENGWESA010	12/8/2015	pCi/m3	2.51E-04	U	1.27E-03	1.01E-03	6.25E-05	J+	1.79E-05	3.68E-06	1.45E-05	J+	6.81E-06	1.64E-06
ENGWESA011	12/8/2015	pCi/m3	5.36E-04	U	9.93E-04	1.27E-03	8.19E-05	J+	2.22E-05	3.63E-06	2.81E-05	J+	1.01E-05	1.16E-06
ENGWESA012	12/8/2015	pCi/m3	-3.81E-04	U	2.04E-03	1.43E-03	8.03E-05	J+	2.17E-05	3.07E-06	2.32E-05	J+	8.72E-06	4.84E-07
ENGWESA013	12/8/2015	pCi/m3	2.09E-04	U	1.58E-03	1.24E-03	4.03E-05	J+	1.31E-05	3.39E-06	1.39E-05	J+	6.63E-06	9.35E-07
ENGWESA001	3/2/2016	pCi/m3	1.09E-04	U	1.66E-03	1.30E-03	1.77E-05	J+	9.26E-06	5.48E-06	3.69E-06	J	4.24E-06	6.47E-07
ENGWESA002	3/3/2016	pCi/m3	-8.86E-04	U	2.19E-03	1.33E-03	1.82E-05	J+	9.90E-06	5.54E-06	3.22E-06	J	3.92E-06	3.11E-07
ENGWESA003	3/3/2016	pCi/m3	-4.85E-04	U	1.05E-03	1.31E-03	2.99E-05	J+	1.51E-05	9.76E-06	6.06E-06	J	7.64E-06	3.27E-06
ENGWESA003 Field Dup	3/3/2016	pCi/m3	-6.95E-05	U	2.05E-03	1.46E-03	2.35E-05	J+	1.31E-05	8.32E-06	2.66E-06	J	4.53E-06	7.10E-07
ENGWESA004	3/3/2016	pCi/m3	1.00E-03	U	1.43E-03	1.59E-03	1.41E-05	J+	9.40E-06	7.86E-06	-2.47E-07	UJ	2.79E-06	1.68E-06
ENGWESA005	3/2/2016	pCi/m3	1.48E-04	U	1.63E-03	1.28E-03	1.67E-05	J+	1.05E-05	8.84E-06	4.49E-06	J	5.17E-06	7.86E-07
ENGWESA006	3/2/2016	pCi/m3	-5.11E-04	U	2.16E-03	1.32E-03	1.27E-05	J+	7.91E-06	5.90E-06	-5.61E-07	UJ	2.25E-06	6.73E-07
ENGWESA007	3/2/2016	pCi/m3	1.80E-03	U	2.89E-03	2.15E-03	2.69E-05	J+	1.22E-05	5.44E-06	5.47E-07	UJ	2.28E-06	6.86E-07
ENGWESA008	3/3/2016	pCi/m3	-3.21E-04	U	4.31E-03	3.21E-03	2.06E-05	J+	1.24E-05	9.42E-06	7.04E-06	J	6.81E-06	6.71E-07
ENGWESA009	3/3/2016	pCi/m3	6.95E-04	U	1.75E-03	1.38E-03	1.55E-05	J+	1.01E-05	8.88E-06	7.08E-06	J	6.37E-06	7.89E-07
ENGWESA010	3/2/2016	pCi/m3	1.79E-03	J	1.72E-03	1.19E-03	1.68E-05	J+	1.00E-05	6.89E-06	7.74E-06	J	6.55E-06	3.62E-07
ENGWESA011	3/2/2016	pCi/m3	-9.77E-04	U	2.40E-03	1.66E-03	1.10E-05	J+	7.95E-06	6.92E-06	4.50E-06	J	5.18E-06	7.91E-07
ENGWESA012	3/2/2016	pCi/m3	1.08E-03	U	3.99E-03	3.03E-03	1.02E-05	J+	6.94E-06	4.95E-06	1.10E-05	J	6.92E-06	2.78E-07
ENGWESA013	3/2/2016	pCi/m3	1.06E-04	U	1.63E-03	1.28E-03	3.16E-05	J	1.46E-05	7.23E-06	1.57E-05	J	9.63E-06	5.97E-07
ENGWESA001	5/26/2016	pCi/m3	1.68E-05	U	1.80E-03	1.28E-03	1.18E-05	UJ+	1.58E-05	2.29E-05	4.63E-06	J	8.89E-06	1.81E-06
ENGWESA002	5/27/2016	pCi/m3	5.15E-04	U	3.72E-03	2.81E-03	1.17E-05	J+	6.06E-06	4.11E-06	5.97E-06	J	4.07E-06	3.68E-07
ENGWESA003	5/27/2016	pCi/m3	9.16E-05	U	3.34E-03	2.51E-03	2.03E-05	J+	1.18E-05	8.61E-06	5.00E-06	J	5.77E-06	8.37E-07
ENGWESA003 Field Dup	5/27/2016	pCi/m3	1.85E-03	U	3.15E-03	2.44E-03	2.84E-05	J+	1.35E-05	7.20E-06	5.02E-06	J	5.24E-06	3.20E-07
ENGWESA004	5/27/2016	pCi/m3	6.23E-04	U	1.44E-03	1.15E-03	2.30E-05	J+	9.35E-06	4.18E-06	7.15E-06	J	4.74E-06	5.25E-07
ENGWESA005	5/26/2016	pCi/m3	-3.54E-05	U	2.21E-03	1.37E-03	2.62E-05	J+	1.01E-05	3.97E-06	6.49E-06	J	4.52E-06	5.27E-07
ENGWESA006	5/26/2016	pCi/m3	-1.27E-03	U	1.49E-03	1.29E-03	1.96E-05	J+	8.50E-06	4.60E-06	3.66E-06	J	3.40E-06	5.18E-07
ENGWESA007	5/26/2016	pCi/m3	3.96E-03	J	3.05E-03	2.82E-03	1.60E-05	J+	8.20E-06	4.34E-06	4.91E-06	J	4.17E-06	2.06E-07
ENGWESA008	5/26/2016	pCi/m3	-1.01E-03	U	1.55E-03	1.16E-03	1.15E-05	J+	6.13E-06	3.96E-06	9.05E-08	U	2.08E-06	1.35E-06
ENGWESA009	5/27/2016	pCi/m3	-7.24E-04	U	2.06E-03	1.25E-03	1.32E-05	J+	6.33E-06	3.39E-06	4.86E-06	J	3.64E-06	2.63E-07
ENGWESA010	5/27/2016	pCi/m3	2.33E-03	J	1.81E-03	1.37E-03	1.00E-05	J+	5.62E-06	3.99E-06	3.20E-06	J	2.97E-06	1.62E-07
ENGWESA011	5/27/2016	pCi/m3	-3.56E-05	U	3.65E-03	2.73E-03	1.44E-05	J+	6.95E-06	4.20E-06	1.98E-06	J	2.61E-06	4.97E-08
ENGWESA012	5/26/2016	pCi/m3	-4.20E-04	U	3.09E-03	2.38E-03	8.97E-06	J+	5.21E-06	3.31E-06	2.98E-06	J	2.87E-06	2.66E-07
ENGWESA013	5/27/2016	pCi/m3	1.01E-03	U	2.00E-03	1.30E-03	1.67E-05	J+	6.60E-06	2.83E-06	3.49E-06	J	2.83E-06	3.74E-08

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Protactinium-231				Thorium-230				Thorium-232			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	8/17/2016	pCi/m3	-1.63E-03	U	2.79E-03	1.63E-03	1.60E-05	J	1.00E-05	8.87E-06	8.40E-06	J+	7.09E-06	1.55E-06
ENGWESA002	8/19/2016	pCi/m3	1.68E-03	U	2.24E-03	1.80E-03	7.20E-06	U	9.24E-06	1.37E-05	4.18E-06	J+	6.42E-06	5.33E-07
ENGWESA003	8/19/2016	pCi/m3	-6.87E-04	U	4.95E-03	3.65E-03	2.32E-05	J	1.45E-05	1.09E-05	2.62E-06	J+	5.69E-06	1.48E-06
ENGWESA004	8/19/2016	pCi/m3	2.73E-04	U	1.74E-03	1.37E-03	2.23E-05	J	1.26E-05	8.34E-06	7.35E-06	J+	6.85E-06	3.55E-07
ENGWESA005	8/17/2016	pCi/m3	-1.04E-04	U	2.40E-03	1.70E-03	1.67E-05	J	9.97E-06	7.20E-06	3.73E-06	J+	4.55E-06	3.07E-07
ENGWESA006	8/19/2016	pCi/m3	-1.00E-03	U	2.48E-03	1.51E-03	1.95E-05	J	1.08E-05	7.41E-06	8.05E-06	J+	6.82E-06	9.47E-07
ENGWESA007	8/17/2016	pCi/m3	5.32E-04	U	1.58E-03	1.26E-03	5.04E-05	J	2.11E-05	9.63E-06	1.13E-05	J+	8.90E-06	3.86E-07
ENGWESA008	8/17/2016	pCi/m3	1.05E-03	U	2.25E-03	1.64E-03	1.58E-05	J	9.06E-06	6.32E-06	5.37E-06	J+	5.17E-06	4.65E-07
ENGWESA009	8/19/2016	pCi/m3	7.50E-04	U	2.74E-03	1.76E-03	3.05E-05	J	1.98E-05	1.81E-05	1.00E-05	J+	1.09E-05	2.21E-06
ENGWESA010	8/19/2016	pCi/m3	1.20E-03	U	3.75E-03	2.86E-03	1.58E-05	J	1.08E-05	8.95E-06	1.64E-06	J+	4.55E-06	1.04E-07
ENGWESA011	8/19/2016	pCi/m3	2.13E-04	U	1.34E-03	1.23E-03	1.97E-05	J	1.37E-05	1.25E-05	-6.69E-06	UJ+	4.87E-06	6.81E-06
ENGWESA012	8/17/2016	pCi/m3	2.15E-03	J	2.31E-03	1.71E-03	3.56E-05	J	1.63E-05	8.23E-06	2.50E-06	J+	4.25E-06	6.06E-07
ENGWESA013	8/19/2016	pCi/m3	2.18E-03	J	2.57E-03	1.68E-03	1.45E-05	J	9.50E-06	8.10E-06	4.59E-06	J+	5.28E-06	7.55E-07
ENGWESA013 FD	8/19/2016	pCi/m3	1.27E-03	U	1.69E-03	1.62E-03	1.25E-05	J	9.49E-06	9.17E-06	-1.59E-06	UJ+	3.50E-06	3.22E-06
ENGWESA001	11/16/2016	pCi/m3	-6.27E-04	U	1.77E-03	1.35E-03	8.21E-06	J+	7.07E-06	7.55E-06	2.47E-06	J+	4.02E-06	1.07E-06
ENGWESA002	11/16/2016	pCi/m3	-1.41E-03	U	2.59E-03	1.52E-03	2.17E-05	J+	8.56E-06	3.40E-06	8.31E-06	J+	4.90E-06	5.90E-07
ENGWESA003	11/17/2016	pCi/m3	-4.28E-04	U	2.53E-03	1.79E-03	2.26E-05	J+	9.14E-06	3.61E-06	9.37E-06	J+	5.41E-06	4.11E-07
ENGWESA004	11/17/2016	pCi/m3	-1.04E-03	U	2.63E-03	1.59E-03	3.84E-05	J+	1.16E-05	2.89E-06	8.05E-06	J+	4.46E-06	5.94E-07
ENGWESA005	11/17/2016	pCi/m3	1.20E-04	U	2.22E-03	1.59E-03	3.47E-05	J+	1.25E-05	4.16E-06	1.01E-05	J+	5.87E-06	4.45E-07
ENGWESA006	11/16/2016	pCi/m3	-1.25E-03	U	1.94E-03	1.46E-03	1.94E-05	J+	9.43E-06	6.66E-06	9.16E-06	J+	5.89E-06	7.68E-07
ENGWESA007	11/17/2016	pCi/m3	1.07E-03	U	2.32E-03	1.52E-03	2.04E-05	J+	1.26E-05	8.58E-06	7.75E-06	J+	7.67E-06	1.29E-07
ENGWESA008	11/16/2016	pCi/m3	-6.58E-04	U	4.39E-03	3.26E-03	1.62E-05	J+	7.44E-06	4.26E-06	5.86E-06	J+	4.05E-06	1.69E-07
ENGWESA009	11/17/2016	pCi/m3	1.02E-03	U	1.92E-03	1.52E-03	1.63E-05	J+	7.56E-06	3.63E-06	9.10E-06	J+	5.36E-06	3.05E-07
ENGWESA010	11/16/2016	pCi/m3	2.94E-04	U	2.48E-03	1.56E-03	2.22E-05	J+	1.69E-05	1.55E-05	6.83E-06	J+	8.93E-06	1.09E-06
ENGWESA010 FD	11/16/2016	pCi/m3	2.10E-03	J	2.47E-03	1.63E-03	2.35E-05	J+	1.48E-05	1.06E-05	4.73E-06	J+	7.11E-06	1.55E-06
ENGWESA011	11/16/2016	pCi/m3	1.91E-03	U	4.40E-03	3.35E-03	2.09E-04	J+	5.23E-05	4.96E-06	8.52E-06	J+	5.75E-06	7.86E-07
ENGWESA012	11/16/2016	pCi/m3	2.59E-04	U	1.64E-03	1.30E-03	2.29E-05	J+	1.01E-05	4.48E-06	1.11E-05	J+	6.49E-06	2.18E-07
ENGWESA013	11/17/2016	pCi/m3	8.58E-04	U	2.48E-03	1.79E-03	1.53E-05	J+	7.37E-06	3.59E-06	7.34E-06	J+	5.02E-06	8.14E-07
ENGWESA001	2/7/2017	pCi/m3	3.92E-04	U	1.04E-03	1.45E-03	4.98E-05	J+	1.90E-05	7.46E-06	1.49E-05	J+	9.56E-06	1.85E-06
ENGWESA002	2/7/2017	pCi/m3	-2.53E-05	U	1.40E-03	2.73E-03	8.02E-05	J+	3.20E-05	1.19E-05	5.03E-05	J+	2.35E-05	9.84E-07
ENGWESA003	2/7/2017	pCi/m3	8.18E-04	U	1.05E-03	1.98E-03	5.27E-05	J+	2.00E-05	7.30E-06	1.49E-05	J+	9.36E-06	3.48E-07
ENGWESA004	2/7/2017	pCi/m3	4.49E-03	J	3.11E-03	2.29E-03	4.34E-05	J+	1.79E-05	7.60E-06	1.43E-05	J+	9.93E-06	2.47E-06
ENGWESA005	2/6/2017	pCi/m3	1.12E-03	U	3.85E-03	2.73E-03	4.18E-05	J+	1.86E-05	9.99E-06	1.94E-05	J+	1.20E-05	2.22E-06
ENGWESA006	2/7/2017	pCi/m3	-6.17E-04	U	1.33E-03	1.99E-03	3.29E-05	J+	1.50E-05	7.14E-06	1.41E-05	J+	9.21E-06	7.99E-07
ENGWESA007	2/6/2017	pCi/m3	2.02E-03	J	2.12E-03	1.57E-03	3.57E-05	J+	1.59E-05	7.77E-06	1.67E-05	J+	1.02E-05	1.29E-06
ENGWESA008	2/6/2017	pCi/m3	-3.33E-04	U	1.13E-03	1.40E-03	3.16E-05	J+	1.49E-05	7.55E-06	8.06E-06	J+	7.24E-06	8.73E-07
ENGWESA008 FD	2/6/2017	pCi/m3	1.27E-03	U	2.27E-03	1.65E-03	4.29E-05	J+	2.75E-05	1.82E-05	1.77E-05	J+	1.67E-05	9.30E-07
ENGWESA009	2/7/2017	pCi/m3	2.16E-03	J	2.65E-03	1.96E-03	5.62E-05	J+	2.27E-05	9.99E-06	2.14E-05	J+	1.27E-05	1.52E-06
ENGWESA010	2/6/2017	pCi/m3	2.54E-03	J	3.21E-03	2.35E-03	5.23E-05	J+	2.00E-05	8.69E-06	2.00E-05	J+	1.12E-05	1.48E-06
ENGWESA011	2/6/2017	pCi/m3	9.66E-04	U	2.26E-03	1.64E-03	2.98E-05	J+	1.52E-05	8.23E-06	1.29E-05	J+	9.78E-06	1.33E-07
ENGWESA012	2/6/2017	pCi/m3	1.26E-04	U	2.39E-03	1.50E-03	2.11E-05	J+	1.22E-05	7.66E-06	1.77E-05	J+	1.10E-05	9.15E-07
ENGWESA013	2/6/2017	pCi/m3	1.83E-03	U	2.56E-03	1.88E-03	3.02E-05	J+	1.38E-05	5.80E-06	9.41E-06	J+	7.21E-06	7.44E-07



## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Protactinium-231				Thorium-230				Thorium-232			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	4/27/2017	pCi/m3	7.34E-04	U	1.69E-03	1.83E-03	3.39E-05	J+	1.50E-05	7.65E-06	1.94E-06	J	3.71E-06	7.54E-07
ENGWESA002	4/27/2017	pCi/m3	1.23E-03	U	2.71E-03	1.76E-03	4.60E-05	J+	1.81E-05	7.97E-06	1.23E-05	J	8.52E-06	9.87E-07
ENGWESA003	4/27/2017	pCi/m3	2.57E-03	J	2.93E-03	2.15E-03	5.07E-05	J+	1.94E-05	6.97E-06	8.94E-06	J	7.19E-06	5.48E-07
ENGWESA004	4/27/2017	pCi/m3												
ENGWESA005	4/27/2017	pCi/m3	1.94E-04	U	3.03E-03	2.16E-03	5.27E-05	J+	2.30E-05	1.10E-05	6.10E-06	J	7.81E-06	1.78E-06
ENGWESA005 FD	4/27/2017	pCi/m3	-2.36E-03	U	2.85E-03	1.93E-03	7.03E-05	J+	2.56E-05	9.18E-06	9.38E-06	J	8.17E-06	6.77E-07
ENGWESA006	4/27/2017	pCi/m3	1.03E-03	U	4.03E-03	2.91E-03	2.67E-05	J+	1.27E-05	7.39E-06	5.28E-06	J	5.50E-06	9.16E-07
ENGWESA007	4/27/2017	pCi/m3	1.05E-04	U	2.32E-03	1.65E-03	3.81E-05	J+	1.51E-05	5.81E-06	9.07E-06	J	6.64E-06	2.75E-07
ENGWESA008	4/27/2017	pCi/m3	3.00E-03	J	2.77E-03	1.87E-03	6.66E-05	J+	2.30E-05	7.79E-06	1.17E-05	J	9.48E-06	4.38E-06
ENGWESA009	4/27/2017	pCi/m3	9.55E-04	U	1.92E-03	2.09E-03	4.72E-05	J+	1.93E-05	8.36E-06	7.27E-06	J	7.91E-06	3.10E-06
ENGWESA010	4/27/2017	pCi/m3	1.57E-03	U	3.88E-03	2.79E-03	8.02E-05	J+	2.82E-05	8.79E-06	6.87E-06	J	7.18E-06	1.19E-06
ENGWESA011	4/27/2017	pCi/m3	-3.53E-04	U	2.09E-03	1.91E-03	3.59E-05	J+	1.76E-05	8.28E-06	9.96E-06	J	8.46E-06	4.06E-07
ENGWESA012	4/27/2017	pCi/m3	-1.27E-03	U	2.46E-03	1.48E-03	2.14E-05	J+	1.50E-05	1.25E-05	2.10E-06	U	6.21E-06	2.33E-06
ENGWESA013	4/27/2017	pCi/m3	2.02E-03	U	2.93E-03	2.15E-03	4.08E-05	J+	2.25E-05	1.69E-05	1.26E-05	J	1.11E-05	9.10E-07
ENGWESA001	7/20/2017	pCi/m3	1.17E-03	U	2.57E-03	1.87E-03	2.21E-05	J+	1.16E-05	6.92E-06	9.23E-06	J	7.61E-06	1.44E-06
ENGWESA002	7/20/2017	pCi/m3	1.79E-02	J	1.04E-02	8.04E-03	3.20E-05	J+	1.52E-05	7.68E-06	4.90E-06	J	5.94E-06	1.09E-06
ENGWESA002 FD	7/20/2017	pCi/m3	-1.24E-03	U	2.51E-03	1.74E-03	2.98E-05	J+	1.28E-05	5.84E-06	1.38E-05	J	8.30E-06	8.32E-07
ENGWESA003	7/20/2017	pCi/m3	5.13E-04	U	3.13E-03	2.50E-03	2.98E-05	J+	1.06E-05	4.27E-06	6.93E-06	J	4.50E-06	6.85E-07
ENGWESA004	7/20/2017	pCi/m3	-5.59E-04	U	3.93E-03	2.78E-03	4.30E-05	J+	1.48E-05	4.75E-06	7.44E-06	J	5.10E-06	4.49E-07
ENGWESA005	7/21/2017	pCi/m3	1.99E-03	J	2.21E-03	1.63E-03	1.57E-05	J+	7.30E-06	3.88E-06	3.15E-06	J	3.04E-06	2.73E-07
ENGWESA006	7/20/2017	pCi/m3	-3.95E-04	U	2.61E-03	1.62E-03	2.51E-05	J+	9.82E-06	3.98E-06	6.71E-06	J	4.50E-06	2.81E-07
ENGWESA007	7/21/2017	pCi/m3	-8.72E-04	U	2.99E-03	2.10E-03	2.72E-05	J+	1.02E-05	4.33E-06	7.44E-06	J	4.70E-06	4.90E-07
ENGWESA008	7/20/2017	pCi/m3	3.83E-04	U	3.53E-03	2.53E-03	2.09E-05	J+	8.58E-06	3.41E-06	4.39E-06	J	3.63E-06	3.87E-07
ENGWESA009	7/20/2017	pCi/m3	5.79E-04	U	2.54E-03	1.83E-03	3.68E-05	J+	1.42E-05	5.02E-06	8.81E-06	J	6.38E-06	1.49E-06
ENGWESA010	7/20/2017	pCi/m3	1.63E-03	U	2.95E-03	2.15E-03	2.58E-05	J+	1.01E-05	3.76E-06	7.11E-06	J	4.69E-06	1.68E-07
ENGWESA011	7/20/2017	pCi/m3	3.83E-04	U	2.31E-03	1.46E-03	2.52E-05	J+	1.03E-05	4.96E-06	8.18E-06	J	5.17E-06	1.76E-07
ENGWESA012	7/21/2017	pCi/m3	-1.93E-03	U	3.57E-03	2.45E-03	1.97E-05	J+	7.93E-06	3.25E-06	3.72E-06	J	3.24E-06	5.51E-07
ENGWESA013	7/21/2017	pCi/m3	1.32E-03	U	2.11E-03	1.37E-03	1.68E-05	J+	7.21E-06	2.92E-06	2.48E-06	J	2.70E-06	5.47E-07
ENGWESA001	10/12/2017	pCi/m3	9.39E-04	U	1.76E-03	1.30E-03	3.96E-05	J	1.66E-05	7.75E-06	2.41E-06	J	3.71E-06	3.13E-07
ENGWESA002	10/12/2017	pCi/m3	-6.37E-04	U	1.71E-03	1.02E-03	2.57E-05	J	1.01E-05	3.73E-06	6.94E-06	J	4.66E-06	2.92E-07
ENGWESA003	10/13/2017	pCi/m3	4.61E-04	U	1.58E-03	1.16E-03	2.31E-05	J	8.44E-06	2.84E-06	3.95E-06	J	3.20E-06	3.80E-08
ENGWESA004	10/13/2017	pCi/m3	-2.16E-04	U	1.57E-03	9.59E-04	2.65E-05	J	9.82E-06	3.83E-06	7.68E-06	J	4.72E-06	5.81E-07
ENGWESA005	10/13/2017	pCi/m3	-2.74E-04	U	1.48E-03	1.03E-03	2.36E-05	J	8.35E-06	2.88E-06	6.59E-06	J	3.86E-06	2.12E-07
ENGWESA006	10/12/2017	pCi/m3	-5.85E-04	U	1.69E-03	1.18E-03	2.63E-05	J	9.60E-06	3.59E-06	7.83E-06	J	4.55E-06	1.45E-07
ENGWESA007	10/13/2017	pCi/m3	-1.26E-03	U	2.32E-03	1.57E-03	3.61E-05	J	1.26E-05	3.98E-06	6.68E-06	J	4.65E-06	5.36E-07
ENGWESA008	10/14/2017	pCi/m3	8.11E-04	U	1.58E-03	1.05E-03	2.57E-05	J	9.50E-06	3.17E-06	5.23E-06	J	3.84E-06	4.71E-07
ENGWESA009	10/12/2017	pCi/m3	6.73E-04	U	1.64E-03	1.19E-03	3.70E-05	J	1.29E-05	3.94E-06	6.95E-06	J	4.75E-06	4.24E-07
ENGWESA010	10/14/2017	pCi/m3	8.23E-04	U	1.55E-03	1.13E-03	4.72E-05	J	1.72E-05	5.12E-06	7.13E-06	J	5.52E-06	5.51E-07
ENGWESA011	10/12/2017	pCi/m3	-1.41E-04	U	1.67E-03	1.04E-03	8.67E-06	J	5.38E-06	4.08E-06	3.08E-06	J	3.21E-06	5.34E-07
ENGWESA012	10/14/2017	pCi/m3	-1.75E-03	U	2.47E-03	1.65E-03	1.36E-05	J	7.98E-06	5.65E-06	6.11E-06	J	5.39E-06	6.87E-08
ENGWESA012 FIELD DUP	10/14/2017	pCi/m3	-1.36E-03	U	2.33E-03	1.58E-03	2.30E-05	J	1.03E-05	4.86E-06	6.42E-06	J	5.14E-06	3.93E-07
ENGWESA013	10/13/2017	pCi/m3	4.81E-04	U	1.66E-03	1.21E-03	2.59E-05	J	9.93E-06	3.56E-06	3.05E-06	J	3.71E-06	1.79E-06

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Uranium-234				Uranium-235				Uranium-238			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	5/27/15 16:12	pCi/m <sup>3</sup>	3.94E-05		1.39E-05	3.25E-07	5.20E-06	J	5.38E-06	2.56E-07	3.36E-05		1.27E-05	4.47E-07
ENGWESA002	5/28/15 8:30	pCi/m <sup>3</sup>	3.13E-05		1.06E-05	3.67E-07	1.95E-06	J	3.31E-06	4.98E-08	3.43E-05		1.12E-05	3.20E-07
ENGWESA003	5/28/15 9:06	pCi/m <sup>3</sup>	3.59E-05	J	1.62E-05	1.35E-06	7.24E-06	J	8.28E-06	9.63E-07	5.08E-05	J	1.99E-05	2.97E-06
ENGWESA004	5/28/15 9:30	pCi/m <sup>3</sup>	4.40E-05	J	1.91E-05	1.70E-06	1.79E-06	J	4.30E-06	4.06E-07	3.65E-05	J	1.73E-05	1.89E-06
ENGWESA005	5/27/15 15:08	pCi/m <sup>3</sup>	4.99E-05	J	1.52E-05	4.42E-07	7.72E-07	J	2.36E-06	3.82E-07	4.28E-05	J	1.39E-05	7.07E-07
ENGWESA006	5/27/15 16:50	pCi/m <sup>3</sup>	2.81E-05	J	1.09E-05	7.48E-07	-5.84E-07	UJ	2.34E-06	5.31E-07	2.54E-05	J	1.02E-05	5.35E-07
ENGWESA007	5/27/15 12:00	pCi/m <sup>3</sup>	4.69E-05	J	1.51E-05	6.39E-07	3.73E-06	J	4.91E-06	6.36E-08	4.32E-05	J	1.44E-05	1.09E-06
ENGWESA008	5/27/15 15:38	pCi/m <sup>3</sup>	2.66E-05	J	1.10E-05	8.11E-07	7.87E-06	J	6.61E-06	7.48E-07	4.61E-05	J	1.49E-05	2.39E-07
ENGWESA009	5/28/15 10:42	pCi/m <sup>3</sup>												
ENGWESA010	5/28/15 11:06	pCi/m <sup>3</sup>	5.33E-05		1.53E-05	6.98E-07	4.63E-06	J	4.80E-06	6.44E-07	3.82E-05		1.25E-05	7.94E-07
ENGWESA011	5/27/15 9:10	pCi/m <sup>3</sup>	2.78E-05	J	1.06E-05	1.15E-06	1.97E-06	J	3.02E-06	2.03E-07	2.51E-05	J	9.81E-06	2.06E-07
ENGWESA012	5/27/15 10:36	pCi/m <sup>3</sup>	3.71E-05		1.31E-05	2.98E-07	2.06E-06	J	3.50E-06	4.06E-07	2.69E-05		1.09E-05	2.39E-07
ENGWESA013	5/27/15 11:17	pCi/m <sup>3</sup>	1.81E-05	J	1.32E-05	2.71E-06	2.11E-06	J	5.06E-06	4.81E-07	1.95E-05	J	1.31E-05	1.19E-06
ENGWESA001	6/24/15 12:15	pCi/m <sup>3</sup>	3.60E-05		1.45E-05	3.61E-06	1.95E-06	J	4.21E-06	8.89E-07	3.13E-05		1.29E-05	8.94E-07
ENGWESA002	6/24/15 9:40	pCi/m <sup>3</sup>	3.10E-05		1.18E-05	7.95E-07	1.01E-06	J	2.43E-06	2.30E-07	3.05E-05		1.17E-05	6.63E-08
ENGWESA003	6/24/15 10:40	pCi/m <sup>3</sup>	3.73E-05	J	1.97E-05	2.94E-07	2.39E-06	U	5.74E-06	5.42E-07	3.45E-05	J	1.84E-05	5.51E-07
ENGWESA004	6/24/15 11:40	pCi/m <sup>3</sup>	2.96E-05		1.10E-05	1.14E-07	6.64E-06	J	5.81E-06	5.68E-08	3.47E-05		1.19E-05	2.13E-07
ENGWESA005	6/23/15 10:30	pCi/m <sup>3</sup>	2.34E-05		9.71E-06	8.76E-07	2.94E-06	J	3.81E-06	3.62E-07	1.38E-05	J	7.27E-06	5.18E-07
ENGWESA006	6/24/15 13:00	pCi/m <sup>3</sup>	3.03E-05		1.06E-05	2.44E-07	3.20E-06	J	4.07E-06	7.51E-07	3.19E-05		1.11E-05	8.94E-07
ENGWESA007	6/23/15 9:38	pCi/m <sup>3</sup>	4.42E-05		1.46E-05	6.45E-07	9.82E-06	J	7.10E-06	2.36E-07	2.94E-05		1.16E-05	6.82E-08
ENGWESA008	6/23/15 11:25	pCi/m <sup>3</sup>	3.64E-05		1.32E-05	3.09E-07	3.87E-06	J	5.08E-06	6.61E-08	3.39E-05		1.29E-05	1.49E-06
ENGWESA009	6/23/15 13:26	pCi/m <sup>3</sup>	4.64E-05		1.63E-05	1.40E-06	7.54E-06	J	7.31E-06	7.71E-08	3.32E-05		1.34E-05	9.10E-07
ENGWESA010	6/23/15 14:10	pCi/m <sup>3</sup>	3.55E-05		1.41E-05	5.78E-07	3.05E-06	J	5.20E-06	7.84E-08	3.16E-05		1.32E-05	5.04E-07
ENGWESA011	6/23/15 8:59	pCi/m <sup>3</sup>	2.52E-05		1.00E-05	2.69E-07	3.16E-06	J	3.84E-06	2.12E-07	2.39E-05		9.78E-06	5.24E-07
ENGWESA012	6/23/15 14:50	pCi/m <sup>3</sup>	5.48E-05		1.78E-05	5.71E-07	1.36E-05	J	9.57E-06	7.75E-08	4.13E-05		1.53E-05	1.54E-06
ENGWESA013	6/23/15 15:30	pCi/m <sup>3</sup>	2.58E-05		1.04E-05	1.17E-07	6.83E-06	J	5.98E-06	5.83E-08	3.49E-05		1.23E-05	6.19E-08
ENGWESA001	9/16/15 11:17	pCi/m <sup>3</sup>	4.02E-05	j	1.61E-05	3.01E-06	1.26E-05	J	1.01E-05	2.18E-07	2.58E-05	J+	1.26E-05	7.44E-07
ENGWESA002														
ENGWESA003	9/17/15 8:46	pCi/m <sup>3</sup>	2.98E-05		9.33E-06	1.38E-06	3.53E-06	J	3.37E-06	3.01E-07	2.99E-05	J+	9.29E-06	3.16E-07
ENGWESA004	9/17/15 9:02	pCi/m <sup>3</sup>	2.42E-05		8.56E-06	1.13E-06	8.86E-06	J	5.60E-06	9.78E-08	2.73E-05	J+	9.16E-06	2.24E-07
ENGWESA005	9/16/15 13:05	pCi/m <sup>3</sup>	2.92E-05		9.79E-06	1.46E-06	5.71E-07	J	1.75E-06	3.43E-07	3.81E-05	J+	1.14E-05	5.98E-07
ENGWESA006	9/16/15 11:40	pCi/m <sup>3</sup>	2.77E-05		9.56E-06	3.88E-06	1.82E-06	U	3.67E-06	1.86E-06	2.09E-05	J+	8.28E-06	3.19E-06
ENGWESA007	9/16/15 13:20	pCi/m <sup>3</sup>	3.48E-05		1.14E-05	1.62E-06	5.77E-06	J	5.06E-06	1.17E-07	2.92E-05	J+	1.03E-05	5.32E-07
ENGWESA008	9/16/15 12:50	pCi/m <sup>3</sup>	1.92E-05		7.99E-06	2.24E-06	3.41E-06	J	3.54E-06	2.31E-07	2.42E-05	J+	9.29E-06	2.70E-06
ENGWESA009	9/17/15 9:20	pCi/m <sup>3</sup>	2.11E-05	J	9.50E-06	2.39E-06	5.47E-06	J	5.44E-06	6.51E-07	3.57E-05	J+	1.26E-05	1.01E-06
ENGWESA009 FIELD DUP	9/17/15 9:20	pCi/m <sup>3</sup>	2.56E-05	J	1.20E-05	2.71E-06	7.22E-06	J	7.18E-06	8.58E-07	2.25E-05	J+	1.13E-05	1.33E-06
ENGWESA010	9/17/15 9:46	pCi/m <sup>3</sup>	4.68E-05		1.39E-05	1.54E-06	6.31E-06	J	5.30E-06	6.71E-07	4.34E-05	J+	1.32E-05	4.16E-07
ENGWESA011	9/16/15 13:36	pCi/m <sup>3</sup>	2.55E-05		8.67E-06	1.34E-06	4.76E-06	J	4.16E-06	9.68E-08	3.96E-05	J+	1.12E-05	3.31E-07
ENGWESA012	9/17/15 8:02	pCi/m <sup>3</sup>	1.77E-05		7.38E-06	1.88E-06	3.92E-06	J	3.74E-06	3.34E-07	2.23E-05	J+	8.36E-06	1.04E-06
ENGWESA013	9/17/15 8:20	pCi/m <sup>3</sup>	3.29E-05		1.05E-05	1.68E-06	4.42E-06	J	4.21E-06	6.93E-07	2.67E-05	J+	9.37E-06	1.30E-06

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Uranium-234				Uranium-235				Uranium-238			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	12/8/2015	pCi/m3	2.33E-05	J+	1.08E-05	2.46E-06	8.26E-06	J	7.13E-06	5.80E-07	2.45E-05	J+	1.11E-05	6.08E-07
ENGWESA002	12/8/2015	pCi/m3	1.84E-05	J+	6.39E-06	1.11E-06	3.43E-06	J	2.96E-06	2.41E-07	1.84E-05	J+	6.37E-06	3.36E-07
ENGWESA003	12/8/2015	pCi/m3	2.42E-05	J+	8.14E-06	1.24E-06	5.88E-06	J	4.39E-06	8.93E-08	3.02E-05	J+	9.21E-06	3.05E-07
ENGWESA004	12/8/2015	pCi/m3	2.53E-05	J+	8.30E-06	1.31E-06	4.07E-06	J	3.51E-06	2.85E-07	2.43E-05	J+	8.05E-06	2.99E-07
ENGWESA005	12/8/2015	pCi/m3	2.93E-05	J+	1.13E-05	1.69E-06	8.42E-06	J	6.76E-06	1.46E-07	2.33E-05	J+	9.97E-06	3.35E-07
ENGWESA005 Field Dup	12/8/2015	pCi/m3	4.86E-05	J+	1.61E-05	2.78E-06	1.42E-05	J	9.39E-06	1.73E-07	3.96E-05	J+	1.43E-05	7.86E-07
ENGWESA006	12/8/2015	pCi/m3	2.37E-05	J+	7.95E-06	1.21E-06	5.50E-06	J	4.06E-06	2.85E-07	2.29E-05	J+	7.80E-06	4.96E-07
ENGWESA007	12/8/2015	pCi/m3	2.03E-05	J+	7.93E-06	3.70E-06	-5.50E-07	U	2.35E-06	1.77E-06	2.12E-05	J+	8.13E-06	3.05E-06
ENGWESA008	12/8/2015	pCi/m3	3.20E-05	J+	9.29E-06	1.15E-06	2.05E-06	J	2.70E-06	8.32E-08	2.30E-05	J+	7.64E-06	3.78E-07
ENGWESA009	12/8/2015	pCi/m3	2.89E-05	J+	8.59E-06	1.61E-06	2.46E-06	J	2.54E-06	1.66E-07	2.36E-05	J+	7.78E-06	1.94E-06
ENGWESA010	12/8/2015	pCi/m3	2.61E-05	J+	8.33E-06	1.36E-06	7.29E-06	J	4.64E-06	3.71E-07	2.60E-05	J+	8.29E-06	5.76E-07
ENGWESA011	12/8/2015	pCi/m3	3.26E-05	J+	1.01E-05	1.25E-06	3.48E-06	J	3.60E-06	5.42E-07	3.31E-05	J+	1.01E-05	3.36E-07
ENGWESA012	12/8/2015	pCi/m3	2.82E-05	J+	9.81E-06	1.52E-06	7.21E-06	J	5.40E-06	1.10E-07	2.53E-05	J+	9.18E-06	3.76E-07
ENGWESA013	12/8/2015	pCi/m3	3.07E-05	J+	9.83E-06	1.80E-06	6.18E-06	J	4.57E-06	3.20E-07	2.72E-05	J+	9.17E-06	1.00E-06
ENGWESA001	3/2/2016	pCi/m3	2.91E-05	J+	1.15E-05	2.42E-06	6.16E-06	J	5.66E-06	3.35E-07	3.07E-05	J+	1.17E-05	6.09E-07
ENGWESA002	3/3/2016	pCi/m3	2.73E-05	J+	1.12E-05	2.44E-06	3.84E-06	J	5.19E-06	1.22E-06	1.96E-05	J+	9.50E-06	1.68E-06
ENGWESA003	3/3/2016	pCi/m3	2.66E-05	J+	1.29E-05	4.37E-06	9.03E-06	J	8.31E-06	1.14E-06	2.55E-05	J+	1.29E-05	3.84E-06
ENGWESA003 Field Dup	3/3/2016	pCi/m3	3.72E-05	J+	1.47E-05	2.46E-06	7.16E-06	J	7.41E-06	1.12E-06	3.48E-05	J+	1.43E-05	5.62E-07
ENGWESA004	3/3/2016	pCi/m3	2.64E-05	J+	1.09E-05	3.27E-06	1.08E-05	J	7.63E-06	1.14E-06	2.97E-05	J+	1.14E-05	1.73E-06
ENGWESA005	3/2/2016	pCi/m3	3.14E-05	J+	1.18E-05	2.18E-06	9.48E-06	J	6.99E-06	4.95E-07	3.88E-05	J+	1.32E-05	5.91E-07
ENGWESA006	3/2/2016	pCi/m3	2.82E-05	J+	1.13E-05	3.18E-06	3.45E-06	J	4.96E-06	1.34E-06	2.59E-05	J+	1.06E-05	1.27E-06
ENGWESA007	3/2/2016	pCi/m3	2.80E-05	J+	1.01E-05	1.77E-06	6.88E-06	J	5.30E-06	2.65E-07	1.77E-05	J+	7.77E-06	4.81E-07
ENGWESA008	3/3/2016	pCi/m3	2.20E-05	J+	9.97E-06	1.95E-06	5.89E-06	J	5.85E-06	7.06E-07	2.70E-05	J+	1.11E-05	9.88E-07
ENGWESA009	3/3/2016	pCi/m3	3.13E-05	J+	1.19E-05	2.24E-06	3.17E-06	J	4.40E-06	6.85E-07	1.92E-05	J+	9.10E-06	7.83E-07
ENGWESA010	3/2/2016	pCi/m3	2.32E-05	J+	1.13E-05	2.16E-06	2.94E-06	J	4.50E-06	4.21E-07	2.29E-05	J+	1.12E-05	9.85E-07
ENGWESA011	3/2/2016	pCi/m3	2.09E-05	J+	9.88E-06	2.83E-06	7.59E-06	J	6.34E-06	3.42E-07	2.28E-05	J+	1.01E-05	8.01E-07
ENGWESA012	3/2/2016	pCi/m3	1.52E-05	J+	8.44E-06	2.04E-06	9.17E-06	J	7.27E-06	5.49E-07	1.87E-05	J+	9.31E-06	6.55E-07
ENGWESA013	3/2/2016	pCi/m3	4.24E-05	J+	1.60E-05	1.98E-06	2.44E-06	J	4.64E-06	8.79E-07	2.73E-05	J+	1.24E-05	1.01E-06
ENGWESA001	5/26/2016	pCi/m3	1.23E-05	J+	5.68E-06	7.82E-07	4.09E-06	J	3.64E-06	3.84E-07	1.34E-05	J+	6.34E-06	2.63E-06
ENGWESA002	5/27/2016	pCi/m3	4.93E-05	J+	2.30E-05	2.28E-06	2.01E-05	J	1.57E-05	7.06E-07	2.07E-05	J+	1.27E-05	3.11E-06
ENGWESA003	5/27/2016	pCi/m3	2.11E-05	J+	9.32E-06	1.23E-06	2.14E-06	J	3.27E-06	2.81E-07	2.50E-05	J+	1.01E-05	1.07E-06
ENGWESA003 Field Dup	5/27/2016	pCi/m3	2.29E-05	J+	1.09E-05	2.09E-06	4.26E-06	J	5.75E-06	1.32E-06	2.34E-05	J+	1.08E-05	1.51E-06
ENGWESA004	5/27/2016	pCi/m3	2.65E-05	J+	8.29E-06	5.33E-07	2.63E-06	J	2.72E-06	1.65E-07	2.31E-05	J+	7.64E-06	5.37E-07
ENGWESA005	5/26/2016	pCi/m3	2.65E-05	J+	8.72E-06	4.87E-07	4.33E-06	J	3.73E-06	2.89E-07	2.29E-05	J+	8.07E-06	9.12E-07
ENGWESA006	5/26/2016	pCi/m3	2.61E-05	J+	8.70E-06	1.20E-06	2.38E-06	J	3.03E-06	5.95E-07	1.94E-05	J+	7.34E-06	1.11E-06
ENGWESA007	5/26/2016	pCi/m3	3.12E-05	J+	9.19E-06	6.35E-07	3.23E-06	J	3.09E-06	2.63E-07	2.86E-05	J+	8.73E-06	3.52E-07
ENGWESA008	5/26/2016	pCi/m3	2.62E-05	J+	8.96E-06	7.46E-07	2.32E-06	J	2.81E-06	1.96E-07	4.07E-05	J+	1.16E-05	7.51E-07
ENGWESA009	5/27/2016	pCi/m3	3.48E-05	J+	1.08E-05	6.57E-07	2.40E-06	J	2.91E-06	2.04E-07	2.97E-05	J+	9.81E-06	8.96E-07
ENGWESA010	5/27/2016	pCi/m3	2.65E-05	J+	8.96E-06	1.36E-06	-1.50E-07	UJ+	1.69E-06	8.36E-07	1.79E-05	J+	7.14E-06	9.37E-07
ENGWESA011	5/27/2016	pCi/m3	2.39E-05	J+	8.33E-06	1.22E-06	4.18E-06	J	3.73E-06	3.92E-07	1.93E-05	J+	7.31E-06	8.04E-07
ENGWESA012	5/26/2016	pCi/m3	2.45E-05	J+	8.74E-06	8.72E-07	1.24E-06	J	2.36E-06	4.28E-07	2.40E-05	J+	8.57E-06	6.49E-07
ENGWESA013	5/27/2016	pCi/m3	2.33E-05	J+	8.39E-06	7.42E-07	1.35E-06	J	2.29E-06	3.07E-07	1.69E-05	J+	7.09E-06	1.19E-06

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Uranium-234				Uranium-235				Uranium-238			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	8/17/2016	pCi/m3	6.86E-05	J+	2.00E-05	1.39E-06	3.92E-06	J	5.07E-06	5.56E-07	3.09E-05	J+	1.28E-05	1.96E-06
ENGWESA002	8/19/2016	pCi/m3	1.38E-04	J+	3.77E-05	2.03E-06	2.14E-05	J	1.52E-05	1.30E-06	6.00E-05	J+	2.32E-05	2.32E-06
ENGWESA003	8/19/2016	pCi/m3	7.23E-05	J+	2.24E-05	1.23E-06	1.46E-05	J	1.09E-05	1.88E-07	2.63E-05	J+	1.27E-05	1.19E-06
ENGWESA004	8/19/2016	pCi/m3	5.91E-05	J+	1.88E-05	1.48E-06	4.17E-06	J	5.40E-06	5.92E-07	1.60E-05	J+	9.22E-06	1.23E-06
ENGWESA005	8/17/2016	pCi/m3	7.29E-05	J+	2.17E-05	1.10E-06	1.23E-05	J	9.29E-06	8.43E-07	1.65E-05	J+	9.65E-06	1.51E-06
ENGWESA006	8/19/2016	pCi/m3	7.95E-05	J+	2.14E-05	7.48E-07	6.77E-06	J	6.22E-06	3.37E-07	3.71E-05	J+	1.36E-05	9.09E-07
ENGWESA007	8/17/2016	pCi/m3	1.18E-04	J+	3.17E-05	2.94E-06	1.67E-05	J	1.19E-05	1.01E-06	4.51E-05	J+	1.79E-05	2.08E-06
ENGWESA008	8/17/2016	pCi/m3	6.12E-05	J+	1.88E-05	2.39E-06	2.93E-06	J	4.98E-06	1.50E-07	1.30E-05	J+	8.25E-06	1.95E-06
ENGWESA009	8/19/2016	pCi/m3	8.32E-05	J+	2.83E-05	5.90E-06	1.96E-05	J	1.45E-05	1.90E-06	1.71E-05	J+	1.24E-05	3.54E-06
ENGWESA010	8/19/2016	pCi/m3	6.58E-05	J+	1.89E-05	1.87E-06	3.90E-06	J	4.72E-06	3.30E-07	3.09E-05	J+	1.22E-05	8.90E-07
ENGWESA011	8/19/2016	pCi/m3	6.48E-05	J+	1.95E-05	1.62E-06	3.99E-06	J	5.17E-06	5.65E-07	2.52E-05	J+	1.14E-05	9.68E-07
ENGWESA012	8/17/2016	pCi/m3	7.59E-05	J+	2.31E-05	1.69E-06	1.04E-05	J	8.70E-06	4.29E-07	2.95E-05	J+	1.36E-05	1.65E-06
ENGWESA013	8/19/2016	pCi/m3	9.31E-05	J+	2.65E-05	3.42E-06	1.46E-05	J	1.08E-05	1.42E-06	3.60E-05	J+	1.53E-05	2.39E-06
ENGWESA013 FD	8/19/2016	pCi/m3	6.19E-05	J+	1.83E-05	1.13E-06	6.75E-06	J	6.20E-06	3.36E-07	2.37E-05	J+	1.08E-05	7.13E-07
ENGWESA001	11/16/2016	pCi/m3	2.22E-05	J+	1.12E-05	6.35E-07	1.34E-06	J+	3.21E-06	3.97E-07	3.41E-05	J+	1.40E-05	1.76E-06
ENGWESA002	11/16/2016	pCi/m3	2.04E-05	J+	7.94E-06	1.35E-06	2.06E-06	J+	2.86E-06	4.32E-07	2.42E-05	J+	8.59E-06	7.89E-07
ENGWESA003	11/17/2016	pCi/m3	2.33E-05	J+	9.05E-06	6.49E-07	1.77E-06	J+	2.72E-06	2.39E-07	2.16E-05	J+	8.67E-06	6.59E-07
ENGWESA004	11/17/2016	pCi/m3	1.56E-05	J+	6.77E-06	1.10E-06	5.33E-07	J+	1.63E-06	3.11E-07	1.85E-05	J+	7.32E-06	7.72E-07
ENGWESA005	11/17/2016	pCi/m3	1.74E-05	J+	7.74E-06	1.27E-06	-6.39E-07	UJ+	1.95E-06	6.18E-07	1.53E-05	J+	7.16E-06	1.02E-06
ENGWESA006	11/16/2016	pCi/m3	2.23E-05	J+	8.71E-06	1.82E-06	-1.06E-06	UJ+	1.92E-06	9.56E-07	2.80E-05	J+	9.69E-06	1.10E-06
ENGWESA007	11/17/2016	pCi/m3	1.70E-05	J+	7.05E-06	6.64E-07	5.35E-06	J+	4.36E-06	4.29E-07	2.39E-05	J+	8.42E-06	4.46E-07
ENGWESA008	11/16/2016	pCi/m3	2.06E-05	J+	8.11E-06	1.61E-06	5.57E-07	J+	1.70E-06	3.25E-07	1.94E-05	J+	7.66E-06	6.91E-07
ENGWESA009	11/17/2016	pCi/m3	1.38E-05	J+	6.86E-06	7.88E-07	1.95E-06	J+	3.32E-06	1.06E-07	2.58E-05	J+	9.56E-06	5.29E-07
ENGWESA010	11/16/2016	pCi/m3	1.88E-05	J+	1.14E-05	3.04E-06	3.09E-06	J+	5.25E-06	7.15E-07	1.85E-05	J+	1.09E-05	1.77E-06
ENGWESA010 FD	11/16/2016	pCi/m3	1.84E-05	J+	1.16E-05	2.20E-06	1.69E-06	J+	4.06E-06	5.02E-07	3.21E-05	J+	1.51E-05	1.66E-06
ENGWESA011	11/16/2016	pCi/m3	2.61E-05	J+	9.33E-06	9.67E-07	-6.06E-07	UJ+	1.85E-06	5.89E-07	2.02E-05	J+	8.09E-06	9.75E-07
ENGWESA012	11/16/2016	pCi/m3	1.84E-05	J+	7.02E-06	6.01E-07	1.49E-06	J+	2.54E-06	8.11E-08	1.93E-05	J+	7.22E-06	3.01E-07
ENGWESA013	11/17/2016	pCi/m3	1.50E-05	J+	6.33E-06	6.12E-07	1.13E-06	J+	2.15E-06	3.95E-07	2.27E-05	J+	7.96E-06	8.27E-07
ENGWESA001	2/7/2017	pCi/m3	1.22E-04	J+	3.08E-05	1.21E-06	1.55E-05	J+	1.09E-05	1.72E-07	3.64E-05	J+	1.51E-05	1.42E-06
ENGWESA002	2/7/2017	pCi/m3	1.86E-04	J+	4.63E-05	3.58E-06	1.07E-05	J+	1.15E-05	2.03E-06	8.95E-05	J+	2.96E-05	2.12E-06
ENGWESA003	2/7/2017	pCi/m3	9.51E-05	J+	2.56E-05	2.95E-06	7.97E-06	J+	7.73E-06	1.58E-07	3.60E-05	J+	1.44E-05	2.15E-07
ENGWESA004	2/7/2017	pCi/m3	1.07E-04	J+	2.52E-05	9.29E-07	1.06E-05	J+	7.91E-06	1.32E-07	4.06E-05	J+	1.41E-05	1.78E-07
ENGWESA005	2/6/2017	pCi/m3	1.36E-04	J+	3.35E-05	1.28E-06	1.64E-05	J+	1.15E-05	1.81E-07	5.72E-05	J+	1.98E-05	2.45E-07
ENGWESA006	2/7/2017	pCi/m3	1.09E-04	J+	2.71E-05	1.06E-06	2.27E-05	J+	1.22E-05	1.50E-07	2.56E-05	J+	1.17E-05	2.04E-07
ENGWESA007	2/6/2017	pCi/m3	9.97E-05	J+	2.62E-05	2.92E-06	1.27E-05	J+	9.47E-06	1.57E-07	5.37E-05	J+	1.79E-05	2.13E-07
ENGWESA008	2/6/2017	pCi/m3	1.38E-04	J+	3.34E-05	1.29E-06	5.49E-06	J+	7.21E-06	1.82E-07	4.28E-05	J+	1.68E-05	2.47E-07
ENGWESA008 FD	2/6/2017	pCi/m3	1.49E-04	J+	3.72E-05	2.06E-06	2.83E-05	J+	1.59E-05	1.08E-06	5.19E-05	J+	2.01E-05	2.60E-06
ENGWESA009	2/7/2017	pCi/m3	1.55E-04	J+	3.52E-05	2.31E-06	1.47E-05	J+	1.00E-05	3.94E-07	4.52E-05	J+	1.65E-05	6.81E-07
ENGWESA010	2/6/2017	pCi/m3	1.15E-04	J+	2.71E-05	1.61E-06	9.81E-06	J+	7.57E-06	3.41E-07	3.34E-05	J+	1.30E-05	3.92E-07
ENGWESA011	2/6/2017	pCi/m3	1.12E-04	J+	2.93E-05	1.73E-06	7.62E-06	J+	7.89E-06	1.15E-06	5.05E-05	J+	1.81E-05	9.68E-07
ENGWESA012	2/6/2017	pCi/m3	9.63E-05	J+	2.51E-05	2.35E-06	8.47E-06	J+	7.55E-06	7.89E-07	3.55E-05	J+	1.40E-05	8.43E-07
ENGWESA013	2/6/2017	pCi/m3	1.16E-04	J+	2.94E-05	1.89E-06	1.01E-05	J+	8.98E-06	1.57E-06	2.27E-05	J+	1.18E-05	2.09E-06

## Validated Isotopic Air Particulate Results

Client ID	Sample Date	Report Units	Uranium-234				Uranium-235				Uranium-238			
			RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV	RESULT	FINAL Q	CSU	CV
ENGWESA001	4/27/2017	pCi/m3	4.65E-05	J+	1.79E-05	2.76E-06	6.78E-06	J	7.37E-06	6.77E-07	2.24E-05	J+	1.22E-05	1.86E-06
ENGWESA002	4/27/2017	pCi/m3	5.00E-05	J+	1.65E-05	1.18E-06	3.67E-06	J	5.10E-06	7.39E-07	2.85E-05	J+	1.22E-05	2.59E-07
ENGWESA003	4/27/2017	pCi/m3	6.67E-05	J+	2.14E-05	2.36E-06	7.54E-06	J	7.81E-06	1.12E-06	2.09E-05	J+	1.11E-05	5.49E-07
ENGWESA004	4/27/2017	pCi/m3												
ENGWESA005	4/27/2017	pCi/m3	5.64E-05	J+	2.01E-05	2.11E-06	7.51E-06	J	7.78E-06	4.47E-07	2.95E-05	J+	1.41E-05	8.87E-07
ENGWESA005 FD	4/27/2017	pCi/m3	7.01E-05	J+	2.66E-05	5.69E-06	6.89E-06	J	1.06E-05	3.11E-06	3.12E-05	J+	1.72E-05	2.98E-06
ENGWESA006	4/27/2017	pCi/m3	4.45E-05	J+	1.62E-05	3.40E-06	1.03E-06	J	3.15E-06	5.70E-07	8.94E-06	J+	8.52E-06	5.22E-06
ENGWESA007	4/27/2017	pCi/m3	5.53E-05	J+	2.16E-05	3.61E-06	5.89E-06	J	7.64E-06	8.09E-07	3.12E-05	J+	1.56E-05	1.31E-06
ENGWESA008	4/27/2017	pCi/m3	7.96E-05	J+	2.43E-05	3.03E-06	1.14E-05	J	9.86E-06	1.45E-06	5.05E-05	J+	1.85E-05	8.41E-07
ENGWESA009	4/27/2017	pCi/m3	4.23E-05	J+	1.61E-05	1.60E-06	6.81E-06	J	7.52E-06	1.53E-07	3.41E-05	J+	1.42E-05	5.35E-07
ENGWESA010	4/27/2017	pCi/m3	6.76E-05	J+	2.00E-05	2.22E-06	2.98E-06	J	5.07E-06	1.34E-07	2.66E-05	J+	1.19E-05	1.29E-06
ENGWESA011	4/27/2017	pCi/m3	6.16E-05	J+	1.94E-05	1.50E-06	1.14E-05	J	9.05E-06	1.24E-06	2.14E-05	J+	1.11E-05	2.04E-06
ENGWESA012	4/27/2017	pCi/m3	4.89E-05	J+	1.80E-05	1.18E-06	8.26E-06	J	7.90E-06	6.48E-07	2.07E-05	J+	1.13E-05	1.05E-06
ENGWESA013	4/27/2017	pCi/m3	5.71E-05	J+	3.08E-05	2.93E-06	-7.48E-07	UJ	8.75E-06	1.00E-06	4.26E-05	J+	2.64E-05	7.77E-07
ENGWESA001	7/20/2017	pCi/m3	2.86E-05	J+	1.28E-05	1.86E-06	7.16E-06	J	7.11E-06	8.04E-07	2.40E-05	J+	1.15E-05	7.18E-07
ENGWESA002	7/20/2017	pCi/m3	2.39E-05	J+	1.21E-05	1.35E-06	1.47E-06	J	3.52E-06	4.09E-07	1.57E-05	J+	9.93E-06	3.12E-07
ENGWESA002 FD	7/20/2017	pCi/m3	3.63E-05	J+	1.52E-05	1.12E-06	6.61E-06	J	7.19E-06	6.65E-07	1.87E-05	J+	1.06E-05	5.67E-07
ENGWESA003	7/20/2017	pCi/m3	1.72E-05	J+	6.91E-06	6.95E-07	1.15E-06	J	2.20E-06	3.92E-07	1.03E-05	J+	5.24E-06	4.57E-07
ENGWESA004	7/20/2017	pCi/m3	2.62E-05	J+	1.21E-05	1.93E-06	3.17E-06	J	5.15E-06	1.15E-06	2.63E-05	J+	1.20E-05	1.28E-06
ENGWESA005	7/21/2017	pCi/m3	1.41E-05	J+	6.12E-06	4.73E-07	1.53E-06	J	2.60E-06	7.07E-08	1.77E-05	J+	6.92E-06	3.44E-07
ENGWESA006	7/20/2017	pCi/m3	2.32E-05	J+	8.84E-06	9.47E-07	6.39E-06	J	5.14E-06	8.51E-08	2.04E-05	J+	8.31E-06	1.17E-06
ENGWESA007	7/21/2017	pCi/m3	1.93E-05	J+	7.55E-06	5.12E-07	1.51E-06	J	2.32E-06	1.90E-07	1.66E-05	J+	6.92E-06	2.59E-07
ENGWESA008	7/20/2017	pCi/m3	2.01E-05	J+	8.30E-06	1.68E-06	3.01E-06	J	3.63E-06	5.82E-07	2.12E-05	J+	8.41E-06	1.60E-07
ENGWESA009	7/20/2017	pCi/m3	1.99E-05	J+	7.55E-06	1.81E-06	2.00E-06	J	2.59E-06	2.77E-07	2.38E-05	J+	8.14E-06	5.46E-07
ENGWESA010	7/20/2017	pCi/m3	1.90E-05	J+	7.52E-06	1.37E-06	3.58E-06	J	3.55E-06	4.03E-07	1.96E-05	J+	7.62E-06	1.13E-06
ENGWESA011	7/20/2017	pCi/m3	1.24E-05	J+	5.94E-06	2.64E-06	1.25E-06	UJ	2.86E-06	1.31E-06	1.74E-05	J+	6.75E-06	1.28E-06
ENGWESA012	7/21/2017	pCi/m3	3.08E-05	J+	1.25E-05	2.22E-06	6.65E-06	J	6.37E-06	1.01E-06	1.54E-05	J+	8.59E-06	1.47E-06
ENGWESA013	7/21/2017	pCi/m3	1.58E-05	J+	6.99E-06	7.76E-07	3.89E-06	J	3.87E-06	4.38E-07	1.27E-05	J+	6.26E-06	7.48E-07
ENGWESA001	10/12/2017	pCi/m3	2.31E-05	J+	1.05E-05	7.95E-07	6.67E-06	J	6.13E-06	3.18E-07	1.99E-05	J+	9.63E-06	3.84E-07
ENGWESA002	10/12/2017	pCi/m3	1.70E-05	J+	6.45E-06	6.68E-07	2.35E-06	J	2.69E-06	3.42E-07	1.93E-05	J+	6.96E-06	9.32E-07
ENGWESA003	10/13/2017	pCi/m3	2.72E-05	J+	8.11E-06	7.88E-07	3.05E-07	UJ	1.27E-06	3.15E-07	1.76E-05	J+	6.33E-06	6.02E-07
ENGWESA004	10/13/2017	pCi/m3	2.32E-05	J+	7.52E-06	8.10E-07	2.12E-06	J	2.56E-06	4.12E-07	1.69E-05	J+	6.30E-06	7.07E-07
ENGWESA005	10/13/2017	pCi/m3	2.43E-05	J+	7.57E-06	1.49E-06	2.07E-06	J	2.69E-06	7.93E-07	1.37E-05	J+	5.46E-06	8.22E-07
ENGWESA006	10/12/2017	pCi/m3	1.72E-05	J+	6.15E-06	9.83E-07	3.22E-06	J	2.86E-06	2.96E-07	1.91E-05	J+	6.40E-06	3.24E-07
ENGWESA007	10/13/2017	pCi/m3	2.85E-05	J+	8.29E-06	6.97E-07	1.95E-06	J	2.48E-06	4.83E-07	2.12E-05	J+	6.94E-06	3.42E-07
ENGWESA008	10/14/2017	pCi/m3	1.36E-05	J+	5.34E-06	6.53E-07	-1.97E-07	UJ	1.17E-06	2.13E-07	1.34E-05	J+	5.22E-06	3.21E-07
ENGWESA009	10/12/2017	pCi/m3	2.69E-05	J+	8.44E-06	7.79E-07	6.91E-07	J	1.92E-06	6.43E-08	2.86E-05	J+	8.71E-06	4.78E-07
ENGWESA010	10/14/2017	pCi/m3	1.86E-05	J+	6.61E-06	4.61E-07	2.90E-06	J	2.88E-06	3.27E-07	2.49E-05	J+	7.77E-06	1.80E-07
ENGWESA011	10/12/2017	pCi/m3	1.28E-05	J+	5.78E-06	6.30E-07	2.96E-06	J	3.27E-06	6.88E-08	1.34E-05	J+	5.89E-06	4.10E-07
ENGWESA012	10/14/2017	pCi/m3	1.65E-05	J+	7.96E-06	4.99E-07	9.45E-07	J	2.27E-06	2.62E-07	1.75E-05	J+	8.35E-06	1.61E-07
ENGWESA012 FIELD DUP	10/14/2017	pCi/m3	1.94E-05	J+	1.51E-05	4.84E-06	4.29E-06	J	8.19E-06	1.46E-06	4.15E-05	J+	2.06E-05	8.04E-07
ENGWESA013	10/13/2017	pCi/m3	1.84E-05	J+	7.99E-06	6.91E-07	1.44E-06	J	2.74E-06	4.89E-07	1.53E-05	J+	7.38E-06	1.20E-06

# **APPENDIX C**

## **COMPARISON OF ISOTOPIC RESULTS TO NRC EFFLUENT LIMITS**

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	AC-227	5/27/2015	1.46E-17	6/24/2015	-5.48E-19	9/16/2015	3.39E-18	12/8/2015	-2.75E-18	3/2/2016	2.89E-18	1.00E-15
ENGWESA002	AC-227	5/28/2015	7.11E-18	6/24/2015	6.41E-18			12/8/2015	-2.09E-19	3/3/2016	1.74E-18	1.00E-15
ENGWESA003	AC-227	5/28/2015	6.45E-18	6/24/2015	8.10E-19	9/17/2015	3.51E-18	12/8/2015	1.64E-18	3/3/2016	7.60E-18	1.00E-15
ENGWESA004	AC-227	5/28/2015	6.49E-18	6/24/2015	1.69E-18	9/17/2015	1.24E-18	12/8/2015	-7.87E-19	3/3/2016	7.57E-18	1.00E-15
ENGWESA005	AC-227	5/27/2015	6.78E-18	6/23/2015	5.00E-18	9/16/2015	5.90E-18	12/8/2015	2.38E-18	3/3/2016	1.72E-18	1.00E-15
ENGWESA006	AC-227	5/27/2015	1.04E-17	6/24/2015	3.69E-18	9/16/2015	2.75E-18	12/8/2015	1.05E-18	3/2/2016	3.37E-18	1.00E-15
ENGWESA007	AC-227	5/27/2015	8.20E-18	6/23/2015	5.00E-18	9/16/2015	1.68E-18	12/8/2015	-3.37E-19	3/2/2016	4.01E-18	1.00E-15
ENGWESA008	AC-227	5/27/2015	3.42E-18	6/23/2015	3.80E-18	9/16/2015	2.04E-18	12/8/2015	2.04E-19	3/2/2016	2.05E-18	1.00E-15
ENGWESA009	AC-227	5/28/2015		6/23/2015	3.04E-18	9/17/2015	2.87E-18	12/8/2015	1.64E-18	3/3/2016	1.95E-18	1.00E-15
ENGWESA010	AC-227	5/28/2015	8.73E-18	6/23/2015	3.90E-18	9/17/2015	4.88E-18	12/8/2015	1.47E-18	3/3/2016	5.46E-18	1.00E-15
ENGWESA011	AC-227	5/27/2015	6.58E-18	6/23/2015	1.63E-18	9/16/2015	2.93E-18	12/8/2015	5.54E-19	3/2/2016	3.98E-18	1.00E-15
ENGWESA012	AC-227	5/27/2015	1.24E-18	6/23/2015	1.99E-19	9/17/2015	7.92E-19	12/8/2015	1.17E-18	3/2/2016	1.19E-18	1.00E-15
ENGWESA013	AC-227	5/27/2015	4.24E-18	6/23/2015	-3.26E-18	9/17/2015	1.67E-19	12/8/2015	9.89E-19	3/2/2016	3.68E-18	1.00E-15
ENGWESA001	AC-228	5/27/2015	1.70E-16	6/24/2015	1.91E-17	9/16/2015	1.07E-16	12/8/2015	3.76E-18	3/2/2016	1.85E-17	2.00E-11
ENGWESA002	AC-228	5/28/2015	1.66E-16	6/24/2015	7.75E-17			12/8/2015	8.39E-18	3/3/2016	1.26E-16	2.00E-11
ENGWESA003	AC-228	5/28/2015	2.14E-16	6/24/2015	1.15E-16	9/17/2015	1.92E-16	12/8/2015	7.37E-17	3/3/2016	9.33E-17	2.00E-11
ENGWESA004	AC-228	5/28/2015	1.16E-16	6/24/2015	1.78E-16	9/17/2015	1.54E-16	12/8/2015	1E-17	3/3/2016	4.40E-18	2.00E-11
ENGWESA005	AC-228	5/27/2015	-5.33E-18	6/23/2015	1.26E-16	9/16/2015	-2.92E-17	12/8/2015	3.62E-17	3/3/2016	1.20E-16	2.00E-11
ENGWESA006	AC-228	5/27/2015	-2.39E-16	6/24/2015	6.61E-17	9/16/2015	2.30E-16	12/8/2015	-4.35E-16	3/2/2016	1.04E-16	2.00E-11
ENGWESA007	AC-228	5/27/2015	1.78E-16	6/23/2015	1.81E-16	9/16/2015	1.77E-16	12/8/2015	2.48E-17	3/2/2016	5.97E-17	2.00E-11
ENGWESA008	AC-228	5/27/2015	1.63E-16	6/23/2015	4.46E-17	9/16/2015	-1.01E-17	12/8/2015	2.17E-16	3/2/2016	3.85E-16	2.00E-11
ENGWESA009	AC-228	5/28/2015		6/23/2015	-8.45E-18	9/17/2015	4.02E-18	12/8/2015	3.49E-17	3/3/2016	4.09E-17	2.00E-11
ENGWESA010	AC-228	5/28/2015	1.14E-16	6/23/2015	4.61E-17	9/17/2015	1.29E-16	12/8/2015	5.54E-17	3/3/2016	4.66E-18	2.00E-11
ENGWESA011	AC-228	5/27/2015	2.31E-16	6/23/2015	1.38E-16	9/16/2015	1.41E-16	12/8/2015	-2.55E-17	3/2/2016	2.05E-16	2.00E-11
ENGWESA012	AC-228	5/27/2015	-1.02E-17	6/23/2015	9.22E-17	9/17/2015	1.07E-16	12/8/2015	1.19E-16	3/2/2016	-5.36E-17	2.00E-11
ENGWESA013	AC-228	5/27/2015	3.27E-16	6/23/2015	1.33E-16	9/17/2015	1.57E-16	12/8/2015	9.13E-17	3/2/2016	1.12E-16	2.00E-11

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	BI-214	5/27/2015	1.52E-16	6/24/2015	4.71E-17	9/16/2015	1.39E-16	12/8/2015	5.74E-17	3/2/2016	6.13E-17	2.00E-12
ENGWESA002	BI-214	5/28/2015	1.61E-16	6/24/2015	8.67E-17			12/8/2015	1.03E-16	3/3/2016	1.02E-16	2.00E-12
ENGWESA003	BI-214	5/28/2015	1.09E-16	6/24/2015	5.49E-17	9/17/2015	-1.67E-17	12/8/2015	6.11E-17	3/3/2016	5.52E-17	2.00E-12
ENGWESA004	BI-214	5/28/2015	8.94E-17	6/24/2015	1.40E-16	9/17/2015	8.37E-17	12/8/2015	1.08E-16	3/3/2016	9.39E-17	2.00E-12
ENGWESA005	BI-214	5/27/2015	1.01E-16	6/23/2015	7.55E-18	9/16/2015	7.85E-17	12/8/2015	5.51E-16	3/3/2016	2.05E-18	2.00E-12
ENGWESA006	BI-214	5/27/2015	4.51E-17	6/24/2015	1.31E-16	9/16/2015	1.20E-16	12/8/2015	2.18E-16	3/2/2016	8.10E-17	2.00E-12
ENGWESA007	BI-214	5/27/2015	2.16E-16	6/23/2015	3.74E-17	9/16/2015	9.27E-17	12/8/2015	7.9E-17	3/2/2016	9.06E-17	2.00E-12
ENGWESA008	BI-214	5/27/2015	5.24E-17	6/23/2015	2.27E-16	9/16/2015	6.86E-17	12/8/2015	7.32E-17	3/2/2016	-9.03E-18	2.00E-12
ENGWESA009	BI-214	5/28/2015		6/23/2015	6.98E-17	9/17/2015	2.35E-17	12/8/2015	2.87E-17	3/3/2016	5.33E-17	2.00E-12
ENGWESA010	BI-214	5/28/2015	1.13E-16	6/23/2015	-2.02E-17	9/17/2015	8.51E-17	12/8/2015	1.11E-17	3/3/2016	1.48E-16	2.00E-12
ENGWESA011	BI-214	5/27/2015	1.42E-16	6/23/2015	5.87E-17	9/16/2015	1.48E-16	12/8/2015	7.64E-17	3/2/2016	8.28E-17	2.00E-12
ENGWESA012	BI-214	5/27/2015	3.63E-17	6/23/2015	5.21E-17	9/17/2015	1.31E-16	12/8/2015	3.11E-17	3/2/2016	9.70E-17	2.00E-12
ENGWESA013	BI-214	5/27/2015	2.23E-17	6/23/2015	3.74E-17	9/17/2015	3.69E-17	12/8/2015	1.71E-17	3/2/2016	3.74E-17	2.00E-12
ENGWESA001	PB-210	5/27/2015	8.89E-15	6/24/2015	8.51E-15	9/16/2015	2.54E-14	12/8/2015	1.95E-14	3/2/2016	1.82E-14	6.00E-13
ENGWESA002	PB-210	5/28/2015	1.14E-14	6/24/2015	9.67E-15			12/8/2015	1.72E-14	3/3/2016	1.59E-14	6.00E-13
ENGWESA003	PB-210	5/28/2015	9.09E-15	6/24/2015	1.01E-14	9/17/2015	2.45E-14	12/8/2015	1.88E-14	3/3/2016	1.36E-14	6.00E-13
ENGWESA004	PB-210	5/28/2015	7.43E-15	6/24/2015	1.03E-14	9/17/2015	2.20E-14	12/8/2015	2.2E-14	3/3/2016	1.61E-14	6.00E-13
ENGWESA005	PB-210	5/27/2015	9.97E-15	6/23/2015	9.31E-15	9/16/2015	2.41E-14	12/8/2015	2.22E-13	3/3/2016	1.74E-14	6.00E-13
ENGWESA006	PB-210	5/27/2015	6.55E-15	6/24/2015	1.00E-15	9/16/2015	2.67E-14	12/8/2015	2.23E-14	3/2/2016	1.40E-14	6.00E-13
ENGWESA007	PB-210	5/27/2015	7.31E-15	6/23/2015	1.06E-14	9/16/2015	2.11E-14	12/8/2015	2.08E-14	3/2/2016	1.40E-14	6.00E-13
ENGWESA008	PB-210	5/27/2015	8.85E-15	6/23/2015	9.34E-15	9/16/2015	2.32E-14	12/8/2015	2.1E-14	3/2/2016	2.07E-14	6.00E-13
ENGWESA009	PB-210	5/28/2015		6/23/2015	9.50E-15	9/17/2015	2.10E-14	12/8/2015	2.01E-14	3/3/2016	1.55E-14	6.00E-13
ENGWESA010	PB-210	5/28/2015	6.20E-15	6/23/2015	9.78E-15	9/17/2015	2.35E-14	12/8/2015	1.63E-14	3/3/2016	8.76E-15	6.00E-13
ENGWESA011	PB-210	5/27/2015	8.42E-15	6/23/2015	1.08E-14	9/16/2015	2.27E-14	12/8/2015	2.3E-14	3/2/2016	1.69E-14	6.00E-13
ENGWESA012	PB-210	5/27/2015	9.05E-15	6/23/2015	1.25E-14	9/17/2015	2.14E-14	12/8/2015	2.1E-14	3/2/2016	1.77E-14	6.00E-13
ENGWESA013	PB-210	5/27/2015	2.02E-14	6/23/2015	9.92E-15	9/17/2015	2.23E-14	12/8/2015	2.76E-14	3/2/2016	1.77E-14	6.00E-13



Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PB-214	5/27/2015	2.92E-17	6/24/2015	1.19E-16	9/16/2015	8.14E-17	12/8/2015	7.05E-17	3/2/2016	2.82E-17	1.00E-09
ENGWESA002	PB-214	5/28/2015	5.73E-17	6/24/2015	1.12E-16			12/8/2015	5.61E-17	3/3/2016	8.00E-17	1.00E-09
ENGWESA003	PB-214	5/28/2015	1.25E-16	6/24/2015	3.23E-17	9/17/2015	1.12E-17	12/8/2015	1.23E-16	3/3/2016	4.25E-17	1.00E-09
ENGWESA004	PB-214	5/28/2015	6.76E-17	6/24/2015	8.59E-17	9/17/2015	-1.32E-17	12/8/2015	-2.6E-17	3/3/2016	2.36E-17	1.00E-09
ENGWESA005	PB-214	5/27/2015	1.06E-16	6/23/2015	3.64E-17	9/16/2015	1.12E-16	12/8/2015	4.46E-16	3/3/2016	1.60E-16	1.00E-09
ENGWESA006	PB-214	5/27/2015	-3.19E-17	6/24/2015	8.47E-17	9/16/2015	7.62E-17	12/8/2015	1.1E-16	3/2/2016	1.09E-16	1.00E-09
ENGWESA007	PB-214	5/27/2015	1.68E-16	6/23/2015	3.86E-17	9/16/2015	1.62E-16	12/8/2015	4.89E-17	3/2/2016	1.51E-16	1.00E-09
ENGWESA008	PB-214	5/27/2015	1.02E-17	6/23/2015	5.95E-17	9/16/2015	4.52E-17	12/8/2015	5.68E-17	3/2/2016	-2.32E-17	1.00E-09
ENGWESA009	PB-214	5/28/2015		6/23/2015	4.63E-17	9/17/2015	2.65E-17	12/8/2015	1.35E-16	3/3/2016	9.08E-17	1.00E-09
ENGWESA010	PB-214	5/28/2015	3.27E-17	6/23/2015	6.64E-17	9/17/2015	5.80E-17	12/8/2015	8.03E-17	3/3/2016	1.68E-16	1.00E-09
ENGWESA011	PB-214	5/27/2015	9.75E-17	6/23/2015	7.02E-17	9/16/2015	9.31E-17	12/8/2015	1.03E-16	3/2/2016	6.94E-17	1.00E-09
ENGWESA012	PB-214	5/27/2015	3.25E-18	6/23/2015	9.01E-17	9/17/2015	4.76E-17	12/8/2015	6.72E-17	3/2/2016	1.62E-16	1.00E-09
ENGWESA013	PB-214	5/27/2015	1.22E-16	6/23/2015	1.17E-16	9/17/2015	9.00E-17	12/8/2015	1.9E-17	3/2/2016	-1.08E-17	1.00E-09
ENGWESA001	K-40	5/27/2015	9.26E-16	6/24/2015	7.48E-16	9/16/2015	8.05E-16	12/8/2015	8.03E-17	3/2/2016	4.61E-16	6.00E-10
ENGWESA002	K-40	5/28/2015	5.69E-16	6/24/2015	9.78E-16			12/8/2015	8.72E-16	3/3/2016	1.11E-15	6.00E-10
ENGWESA003	K-40	5/28/2015	1.31E-15	6/24/2015	7.54E-16	9/17/2015	4.33E-16	12/8/2015	1.72E-16	3/3/2016	3.64E-16	6.00E-10
ENGWESA004	K-40	5/28/2015	3.62E-16	6/24/2015	1.03E-15	9/17/2015	7.32E-16	12/8/2015	1.11E-15	3/3/2016	1.45E-16	6.00E-10
ENGWESA005	K-40	5/27/2015	4.23E-16	6/23/2015	7.88E-16	9/16/2015	1.14E-15	12/8/2015	-3.06E-15	3/3/2016	7.19E-16	6.00E-10
ENGWESA006	K-40	5/27/2015	3.34E-16	6/24/2015	-6.94E-17	9/16/2015	6.75E-16	12/8/2015	3.74E-16	3/2/2016	8.80E-16	6.00E-10
ENGWESA007	K-40	5/27/2015	1.50E-15	6/23/2015	5.59E-16	9/16/2015	1.01E-15	12/8/2015	6.38E-16	3/2/2016	-3.39E-16	6.00E-10
ENGWESA008	K-40	5/27/2015	4.09E-16	6/23/2015	7.61E-16	9/16/2015	6.55E-16	12/8/2015	1.01E-15	3/2/2016	7.37E-16	6.00E-10
ENGWESA009	K-40	5/28/2015		6/23/2015	6.84E-16	9/17/2015	9.71E-16	12/8/2015	5.78E-16	3/3/2016	9.15E-16	6.00E-10
ENGWESA010	K-40	5/28/2015	4.07E-16	6/23/2015	5.16E-16	9/17/2015	1.87E-16	12/8/2015	3.49E-16	3/3/2016	8.04E-16	6.00E-10
ENGWESA011	K-40	5/27/2015	1.63E-15	6/23/2015	1.36E-15	9/16/2015	1.28E-15	12/8/2015	1.01E-15	3/2/2016	3.34E-16	6.00E-10
ENGWESA012	K-40	5/27/2015	8.61E-16	6/23/2015	1.12E-15	9/17/2015	7.55E-16	12/8/2015	1.97E-16	3/2/2016	1.41E-16	6.00E-10
ENGWESA013	K-40	5/27/2015	5.26E-16	6/23/2015	1.05E-15	9/17/2015	5.50E-16	12/8/2015	4.24E-16	3/2/2016	4.63E-16	6.00E-10

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PA-231	5/27/2015	6.31E-17	6/24/2015	7.07E-16	9/16/2015	1.24E-15	12/8/2015	-1.54E-16	3/2/2016	1.09E-16	8.00E-15
ENGWESA002	PA-231	5/28/2015	9.50E-16	6/24/2015	-2.38E-16			12/8/2015	1.08E-15	3/3/2016	-8.86E-16	8.00E-15
ENGWESA003	PA-231	5/28/2015	-2.36E-16	6/24/2015	-4.68E-16	9/17/2015	-2.80E-16	12/8/2015	5.66E-16	3/3/2016	-4.85E-16	8.00E-15
ENGWESA004	PA-231	5/28/2015	2.49E-16	6/24/2015	-3.29E-16	9/17/2015	-2.07E-16	12/8/2015	-1.02E-15	3/3/2016	1.00E-15	8.00E-15
ENGWESA005	PA-231	5/27/2015	-8.81E-16	6/23/2015	8.39E-16	9/16/2015	6.49E-16	12/8/2015	-1.08E-14	3/3/2016	1.48E-16	8.00E-15
ENGWESA006	PA-231	5/27/2015	2.05E-16	6/24/2015	8.85E-16	9/16/2015	-9.83E-18	12/8/2015	3.87E-15	3/2/2016	-5.11E-16	8.00E-15
ENGWESA007	PA-231	5/27/2015	-4.21E-16	6/23/2015	-4.38E-16	9/16/2015	-8.43E-16	12/8/2015	1.69E-15	3/2/2016	1.80E-15	8.00E-15
ENGWESA008	PA-231	5/27/2015	7.96E-16	6/23/2015	-9.23E-16	9/16/2015	1.30E-15	12/8/2015	3.69E-16	3/2/2016	-3.21E-16	8.00E-15
ENGWESA009	PA-231	5/28/2015		6/23/2015	6.21E-16	9/17/2015	-1.52E-15	12/8/2015	1.27E-15	3/3/2016	6.95E-16	8.00E-15
ENGWESA010	PA-231	5/28/2015	2.80E-15	6/23/2015	8.74E-16	9/17/2015	3.91E-16	12/8/2015	2.51E-16	3/3/2016	1.79E-15	8.00E-15
ENGWESA011	PA-231	5/27/2015	8.74E-17	6/23/2015	1.26E-15	9/16/2015	-2.79E-16	12/8/2015	5.36E-16	3/2/2016	-9.77E-16	8.00E-15
ENGWESA012	PA-231	5/27/2015	9.05E-16	6/23/2015	7.07E-16	9/17/2015	-2.16E-15	12/8/2015	-3.81E-16	3/2/2016	1.08E-15	8.00E-15
ENGWESA013	PA-231	5/27/2015	2.16E-16	6/23/2015	-7.66E-16	9/17/2015	3.14E-16	12/8/2015	2.09E-16	3/2/2016	1.06E-16	8.00E-15
ENGWESA001	TH-230	5/27/2015	2.36E-17	6/24/2015	1.75E-17	9/16/2015	3.45E-17	12/8/2015	6.58E-17	3/2/2016	1.77E-17	3.00E-14
ENGWESA002	TH-230	5/28/2015	2.76E-17	6/24/2015	8.08E-18			12/8/2015	5.18E-17	3/3/2016	1.82E-17	3.00E-14
ENGWESA003	TH-230	5/28/2015	2.76E-17	6/24/2015	1.90E-17	9/17/2015	7.03E-17	12/8/2015	5.99E-17	3/3/2016	2.99E-17	3.00E-14
ENGWESA004	TH-230	5/28/2015	3.14E-17	6/24/2015	3.87E-17	9/17/2015	4.82E-17	12/8/2015	4.94E-17	3/3/2016	1.41E-17	3.00E-14
ENGWESA005	TH-230	5/27/2015	2.93E-17	6/23/2015	3.39E-17	9/16/2015	2.85E-17	12/8/2015	7.02E-17	3/3/2016	1.67E-17	3.00E-14
ENGWESA006	TH-230	5/27/2015	3.08E-17	6/24/2015	1.05E-17	9/16/2015	8.06E-17	12/8/2015	6.02E-17	3/2/2016	1.27E-17	3.00E-14
ENGWESA007	TH-230	5/27/2015	5.81E-17	6/23/2015	2.93E-17	9/16/2015	3.67E-17	12/8/2015	7.22E-17	3/2/2016	2.69E-17	3.00E-14
ENGWESA008	TH-230	5/27/2015	3.17E-17	6/23/2015	1.93E-17	9/16/2015	5.87E-17	12/8/2015	5.79E-17	3/2/2016	2.06E-17	3.00E-14
ENGWESA009	TH-230	5/28/2015		6/23/2015	3.05E-17	9/17/2015	2.34E-17	12/8/2015	4.84E-17	3/3/2016	1.55E-17	3.00E-14
ENGWESA010	TH-230	5/28/2015	4.14E-17	6/23/2015	2.66E-17	9/17/2015	7.20E-17	12/8/2015	6.25E-17	3/3/2016	1.68E-17	3.00E-14
ENGWESA011	TH-230	5/27/2015	3.65E-17	6/23/2015	2.23E-17	9/16/2015	7.63E-17	12/8/2015	8.19E-17	3/2/2016	1.10E-17	3.00E-14
ENGWESA012	TH-230	5/27/2015	3.51E-17	6/23/2015	4.96E-17	9/17/2015	8.64E-17	12/8/2015	8.03E-17	3/2/2016	1.02E-17	3.00E-14
ENGWESA013	TH-230	5/27/2015	4.39E-17	6/23/2015	1.78E-17	9/17/2015	2.21E-17	12/8/2015	4.03E-17	3/2/2016	3.16E-17	3.00E-14

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	TH-232	5/27/2015	2.75E-18	6/24/2015	7.10E-18	9/16/2015	1.55E-17	12/8/2015	2.05E-17	3/2/2016	3.69E-18	5.00E-14
ENGWESA002	TH-232	5/28/2015	1.18E-17	6/24/2015	6.78E-19			12/8/2015	1.22E-17	3/3/2016	3.22E-18	5.00E-14
ENGWESA003	TH-232	5/28/2015	8.91E-18	6/24/2015	2.35E-18	9/17/2015	1.79E-17	12/8/2015	1.77E-17	3/3/2016	6.06E-18	5.00E-14
ENGWESA004	TH-232	5/28/2015	1.45E-17	6/24/2015	1.68E-17	9/17/2015	1.22E-17	12/8/2015	1.67E-17	3/3/2016	-2.47E-19	5.00E-14
ENGWESA005	TH-232	5/27/2015	1.16E-17	6/23/2015	1.06E-17	9/16/2015	1.25E-17	12/8/2015	2.51E-17	3/3/2016	4.49E-18	5.00E-14
ENGWESA006	TH-232	5/27/2015	1.66E-17	6/24/2015	5.82E-18	9/16/2015	2.74E-17	12/8/2015	1.34E-17	3/2/2016	-5.61E-19	5.00E-14
ENGWESA007	TH-232	5/27/2015	1.68E-17	6/23/2015	1.08E-17	9/16/2015	9.39E-18	12/8/2015	2.01E-17	3/2/2016	5.47E-19	5.00E-14
ENGWESA008	TH-232	5/27/2015	8.38E-18	6/23/2015	4.32E-18	9/16/2015	2.23E-17	12/8/2015	2.01E-17	3/2/2016	7.04E-18	5.00E-14
ENGWESA009	TH-232	5/28/2015		6/23/2015	6.92E-18	9/17/2015	1.32E-17	12/8/2015	1.49E-17	3/3/2016	7.08E-18	5.00E-14
ENGWESA010	TH-232	5/28/2015	1.50E-17	6/23/2015	7.44E-18	9/17/2015	2.64E-17	12/8/2015	1.45E-17	3/3/2016	7.74E-18	5.00E-14
ENGWESA011	TH-232	5/27/2015	1.64E-17	6/23/2015	6.18E-18	9/16/2015	3.07E-17	12/8/2015	2.81E-17	3/2/2016	4.50E-18	5.00E-14
ENGWESA012	TH-232	5/27/2015	1.13E-17	6/23/2015	2.12E-17	9/17/2015	1.79E-17	12/8/2015	2.32E-17	3/2/2016	1.10E-17	5.00E-14
ENGWESA013	TH-232	5/27/2015	1.80E-17	6/23/2015	3.21E-18	9/17/2015	6.96E-18	12/8/2015	1.39E-17	3/2/2016	1.57E-17	5.00E-14
ENGWESA001	U-234	5/27/2015	3.94E-17	6/24/2015	3.60E-17	9/16/2015	4.02E-17	12/8/2015	2.33E-17	3/2/2016	2.91E-17	6.00E-14
ENGWESA002	U-234	5/28/2015	3.13E-17	6/24/2015	3.10E-17			12/8/2015	1.84E-17	3/3/2016	2.73E-17	6.00E-14
ENGWESA003	U-234	5/28/2015	3.59E-17	6/24/2015	3.73E-17	9/17/2015	2.98E-17	12/8/2015	2.42E-17	3/3/2016	2.66E-17	6.00E-14
ENGWESA004	U-234	5/28/2015	4.40E-17	6/24/2015	2.96E-17	9/17/2015	2.42E-17	12/8/2015	2.53E-17	3/3/2016	2.64E-17	6.00E-14
ENGWESA005	U-234	5/27/2015	4.99E-17	6/23/2015	2.34E-17	9/16/2015	2.92E-17	12/8/2015	2.93E-17	3/3/2016	3.14E-17	6.00E-14
ENGWESA006	U-234	5/27/2015	2.81E-17	6/24/2015	3.03E-17	9/16/2015	2.77E-17	12/8/2015	2.37E-17	3/2/2016	2.82E-17	6.00E-14
ENGWESA007	U-234	5/27/2015	4.69E-17	6/23/2015	4.42E-17	9/16/2015	3.48E-17	12/8/2015	2.03E-17	3/2/2016	2.80E-17	6.00E-14
ENGWESA008	U-234	5/27/2015	2.66E-17	6/23/2015	3.64E-17	9/16/2015	1.92E-17	12/8/2015	3.2E-17	3/2/2016	2.20E-17	6.00E-14
ENGWESA009	U-234	5/28/2015		6/23/2015	4.64E-17	9/17/2015	2.11E-17	12/8/2015	2.89E-17	3/3/2016	3.13E-17	6.00E-14
ENGWESA010	U-234	5/28/2015	5.33E-17	6/23/2015	3.55E-17	9/17/2015	4.68E-17	12/8/2015	2.61E-17	3/3/2016	2.32E-17	6.00E-14
ENGWESA011	U-234	5/27/2015	2.78E-17	6/23/2015	2.52E-17	9/16/2015	2.55E-17	12/8/2015	3.26E-17	3/2/2016	2.09E-17	6.00E-14
ENGWESA012	U-234	5/27/2015	3.71E-17	6/23/2015	5.48E-17	9/17/2015	1.77E-17	12/8/2015	2.82E-17	3/2/2016	1.52E-17	6.00E-14
ENGWESA013	U-234	5/27/2015	1.81E-17	6/23/2015	2.58E-17	9/17/2015	3.29E-17	12/8/2015	3.07E-17	3/2/2016	4.24E-17	6.00E-14

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	U-235	5/27/2015	5.20E-18	6/24/2015	1.95E-18	9/16/2015	1.26E-17	12/8/2015	8.26E-18	3/2/2016	6.16E-18	6.00E-14
ENGWESA002	U-235	5/28/2015	1.95E-18	6/24/2015	1.01E-18			12/8/2015	3.43E-18	3/3/2016	3.84E-18	6.00E-14
ENGWESA003	U-235	5/28/2015	7.24E-18	6/24/2015	2.39E-18	9/17/2015	3.53E-18	12/8/2015	5.88E-18	3/3/2016	9.03E-18	6.00E-14
ENGWESA004	U-235	5/28/2015	1.79E-18	6/24/2015	6.64E-18	9/17/2015	8.86E-18	12/8/2015	4.07E-18	3/3/2016	1.08E-17	6.00E-14
ENGWESA005	U-235	5/27/2015	7.72E-19	6/23/2015	2.94E-18	9/16/2015	5.71E-19	12/8/2015	8.42E-18	3/3/2016	9.48E-18	6.00E-14
ENGWESA006	U-235	5/27/2015	-5.84E-19	6/24/2015	3.20E-18	9/16/2015	1.82E-18	12/8/2015	5.5E-18	3/2/2016	3.45E-18	6.00E-14
ENGWESA007	U-235	5/27/2015	3.73E-18	6/23/2015	9.82E-18	9/16/2015	5.77E-18	12/8/2015	-5.5E-19	3/2/2016	6.88E-18	6.00E-14
ENGWESA008	U-235	5/27/2015	7.87E-18	6/23/2015	3.87E-18	9/16/2015	3.41E-18	12/8/2015	2.05E-18	3/2/2016	5.89E-18	6.00E-14
ENGWESA009	U-235	5/28/2015		6/23/2015	7.54E-18	9/17/2015	5.47E-18	12/8/2015	2.46E-18	3/3/2016	3.17E-18	6.00E-14
ENGWESA010	U-235	5/28/2015	4.63E-18	6/23/2015	3.05E-18	9/17/2015	6.31E-18	12/8/2015	7.29E-18	3/3/2016	2.94E-18	6.00E-14
ENGWESA011	U-235	5/27/2015	1.97E-18	6/23/2015	3.16E-18	9/16/2015	4.76E-18	12/8/2015	3.48E-18	3/2/2016	7.59E-18	6.00E-14
ENGWESA012	U-235	5/27/2015	2.06E-18	6/23/2015	1.36E-17	9/17/2015	3.92E-18	12/8/2015	7.21E-18	3/2/2016	9.17E-18	6.00E-14
ENGWESA013	U-235	5/27/2015	2.11E-18	6/23/2015	6.83E-18	9/17/2015	4.42E-18	12/8/2015	6.18E-18	3/2/2016	2.44E-18	6.00E-14
ENGWESA001	U-238	5/27/2015	3.36E-17	6/24/2015	3.13E-17	9/16/2015	2.58E-17	12/8/2015	2.45E-17	3/2/2016	3.07E-17	6.00E-14
ENGWESA002	U-238	5/28/2015	3.43E-17	6/24/2015	3.05E-17			12/8/2015	1.84E-17	3/3/2016	1.96E-17	6.00E-14
ENGWESA003	U-238	5/28/2015	5.08E-17	6/24/2015	3.45E-17	9/17/2015	2.99E-17	12/8/2015	3.02E-17	3/3/2016	2.55E-17	6.00E-14
ENGWESA004	U-238	5/28/2015	3.65E-17	6/24/2015	3.47E-17	9/17/2015	2.73E-17	12/8/2015	2.43E-17	3/3/2016	2.97E-17	6.00E-14
ENGWESA005	U-238	5/27/2015	4.28E-17	6/23/2015	1.38E-17	9/16/2015	3.81E-17	12/8/2015	2.33E-17	3/3/2016	3.88E-17	6.00E-14
ENGWESA006	U-238	5/27/2015	2.54E-17	6/24/2015	3.19E-17	9/16/2015	2.09E-17	12/8/2015	2.29E-17	3/2/2016	2.59E-17	6.00E-14
ENGWESA007	U-238	5/27/2015	4.32E-17	6/23/2015	2.94E-17	9/16/2015	2.92E-17	12/8/2015	2.12E-17	3/2/2016	1.77E-17	6.00E-14
ENGWESA008	U-238	5/27/2015	4.61E-17	6/23/2015	3.39E-17	9/16/2015	2.42E-17	12/8/2015	2.3E-17	3/2/2016	2.70E-17	6.00E-14
ENGWESA009	U-238	5/28/2015		6/23/2015	3.32E-17	9/17/2015	3.57E-17	12/8/2015	2.36E-17	3/3/2016	1.92E-17	6.00E-14
ENGWESA010	U-238	5/28/2015	3.82E-17	6/23/2015	3.16E-17	9/17/2015	4.34E-17	12/8/2015	2.6E-17	3/3/2016	2.29E-17	6.00E-14
ENGWESA011	U-238	5/27/2015	2.51E-17	6/23/2015	2.39E-17	9/16/2015	3.96E-17	12/8/2015	3.31E-17	3/2/2016	2.28E-17	6.00E-14
ENGWESA012	U-238	5/27/2015	2.69E-17	6/23/2015	4.13E-17	9/17/2015	2.23E-17	12/8/2015	2.53E-17	3/2/2016	1.87E-17	6.00E-14
ENGWESA013	U-238	5/27/2015	1.95E-17	6/23/2015	3.49E-17	9/17/2015	2.67E-17	12/8/2015	2.72E-17	3/2/2016	2.73E-17	6.00E-14

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	AC-227	5/26/2016	-5.44E-18	8/17/2016	5.70E-19	11/16/2016	2.92E-18	2/7/2017	6.56E-18	4/27/2017	2.68E-18	7/20/2017	7.47E-18	1.00E-15
ENGWESA002	AC-227	5/27/2016	7.45E-19	8/19/2016	1.50E-18	11/16/2016	4.15E-19	2/7/2017	9.90E-18	4/27/2017	1.56E-18	7/20/2017	3.26E-18	1.00E-15
ENGWESA003	AC-227	5/27/2016	-5.02E-19	8/19/2016	3.06E-19	11/17/2016	4.48E-18	2/7/2017	5.86E-18	4/27/2017	6.19E-18	7/20/2017	4.20E-18	1.00E-15
ENGWESA004	AC-227	5/27/2016	3.35E-19	8/19/2016	4.69E-18	11/17/2016	1.09E-18	2/7/2017	-2.86E-20	4/27/2017		7/20/2017	2.14E-18	1.00E-15
ENGWESA005	AC-227	5/26/2016	2.98E-18	8/17/2016	1.79E-18	11/17/2016	3.60E-18	2/6/2017	1.36E-17	4/27/2017	4.28E-18	7/21/2017	3.36E-18	1.00E-15
ENGWESA006	AC-227	5/26/2016	4.47E-18	8/19/2016	4.76E-18	11/16/2016	3.63E-18	2/7/2017	3.92E-18	4/27/2017	3.10E-18	7/20/2017	3.33E-18	1.00E-15
ENGWESA007	AC-227	5/26/2016	8.67E-19	8/17/2016	6.54E-18	11/17/2016	2.91E-18	2/6/2017	5.38E-18	4/27/2017	7.32E-18	7/21/2017	2.57E-18	1.00E-15
ENGWESA008	AC-227	5/26/2016	5.95E-19	8/17/2016	4.14E-18	11/16/2016	4.42E-18	2/6/2017	1.73E-18	4/27/2017	2.04E-18	7/20/2017	2.09E-18	1.00E-15
ENGWESA009	AC-227	5/27/2016	2.60E-18	8/19/2016	3.22E-18	11/17/2016	3.80E-18	2/7/2017	4.45E-18	4/27/2017	4.74E-18	7/20/2017	1.59E-18	1.00E-15
ENGWESA010	AC-227	5/27/2016	3.62E-18	8/19/2016	8.24E-19	11/16/2016	6.12E-18	2/6/2017	7.97E-18	4/27/2017	6.25E-18	7/20/2017	3.09E-18	1.00E-15
ENGWESA011	AC-227	5/27/2016	4.30E-18	8/19/2016	2.22E-18	11/16/2016	5.01E-18	2/6/2017	4.39E-18	4/27/2017	1.16E-18	7/20/2017	3.85E-18	1.00E-15
ENGWESA012	AC-227	5/26/2016	7.58E-19	8/17/2016	-5.56E-19	11/16/2016	-1.51E-19	2/6/2017	7.64E-18	4/27/2017	-2.62E-18	7/21/2017	1.23E-18	1.00E-15
ENGWESA013	AC-227	5/27/2016	1.88E-18	8/19/2016	2.03E-19	11/17/2016	7.92E-18	2/6/2017	7.94E-18	4/27/2017	2.52E-19	7/21/2017	2.14E-18	1.00E-15
ENGWESA001	AC-228	5/26/2016	-1.78E-17	8/17/2016	2.94E-17	11/16/2016	1.72E-16	2/7/2017	2.02E-16	4/27/2017	-4.47E-17	7/20/2017	9.85E-18	2.00E-11
ENGWESA002	AC-228	5/27/2016	-2.27E-17	8/19/2016	1.24E-16	11/16/2016	-9.30E-18	2/7/2017	-1.88E-17	4/27/2017	8.74E-17	7/20/2017	-4.51E-17	2.00E-11
ENGWESA003	AC-228	5/27/2016	-1.30E-16	8/19/2016	1.58E-16	11/17/2016	3.83E-17	2/7/2017	-3.49E-18	4/27/2017	1.87E-17	7/20/2017	1.50E-18	2.00E-11
ENGWESA004	AC-228	5/27/2016	2.20E-16	8/19/2016	1.26E-16	11/17/2016	-8.49E-18	2/7/2017	5.15E-18	4/27/2017		7/20/2017	8.63E-17	2.00E-11
ENGWESA005	AC-228	5/26/2016	-1.69E-17	8/17/2016	-6.67E-17	11/17/2016	-6.93E-17	2/6/2017	3.37E-16	4/27/2017	3.25E-17	7/21/2017	2.31E-16	2.00E-11
ENGWESA006	AC-228	5/26/2016	2.01E-16	8/19/2016	4.33E-17	11/16/2016	1.71E-16	2/7/2017	9.91E-17	4/27/2017	-4.34E-17	7/20/2017	1.00E-16	2.00E-11
ENGWESA007	AC-228	5/26/2016	-7.50E-17	8/17/2016	1.03E-16	11/17/2016	3.36E-17	2/6/2017	-2.04E-17	4/27/2017	3.68E-18	7/21/2017	8.32E-17	2.00E-11
ENGWESA008	AC-228	5/26/2016	-8.23E-17	8/17/2016	7.02E-17	11/16/2016	9.69E-17	2/6/2017	-6.07E-18	4/27/2017	1.02E-17	7/20/2017	2.68E-16	2.00E-11
ENGWESA009	AC-228	5/27/2016	5.14E-17	8/19/2016	4.00E-17	11/17/2016	1.72E-17	2/7/2017	2.12E-16	4/27/2017	9.97E-17	7/20/2017	-4.30E-17	2.00E-11
ENGWESA010	AC-228	5/27/2016	1.35E-16	8/19/2016	-1.57E-16	11/16/2016	-2.09E-17	2/6/2017	2.90E-16	4/27/2017	-1.31E-16	7/20/2017	-1.61E-17	2.00E-11
ENGWESA011	AC-228	5/27/2016	-8.50E-18	8/19/2016	1.07E-16	11/16/2016	2.19E-16	2/6/2017	9.16E-17	4/27/2017	2.47E-16	7/20/2017	-1.22E-17	2.00E-11
ENGWESA012	AC-228	5/26/2016	3.03E-16	8/17/2016	1.06E-17	11/16/2016	1.09E-16	2/6/2017	2.48E-18	4/27/2017	2.23E-16	7/21/2017	9.69E-17	2.00E-11
ENGWESA013	AC-228	5/27/2016	1.00E-16	8/19/2016	-7.58E-17	11/17/2016	3.09E-17	2/6/2017	-2.28E-16	4/27/2017	2.15E-16	7/21/2017	3.00E-17	2.00E-11

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	BI-214	5/26/2016	2.07E-17	8/17/2016	7.32E-17	11/16/2016	9.22E-17	2/7/2017	7.80E-17	4/27/2017	1.06E-16	7/20/2017	9.69E-17	2.00E-12
ENGWESA002	BI-214	5/27/2016	1.27E-16	8/19/2016	2.32E-16	11/16/2016	1.76E-16	2/7/2017	2.48E-16	4/27/2017	3.35E-17	7/20/2017	2.05E-16	2.00E-12
ENGWESA003	BI-214	5/27/2016	9.18E-17	8/19/2016	7.18E-16	11/17/2016	1.79E-16	2/7/2017	8.04E-17	4/27/2017	8.58E-17	7/20/2017	3.59E-17	2.00E-12
ENGWESA004	BI-214	5/27/2016	1.14E-16	8/19/2016	-2.61E-17	11/17/2016	7.99E-17	2/7/2017	-4.64E-18	4/27/2017		7/20/2017	1.91E-16	2.00E-12
ENGWESA005	BI-214	5/26/2016	3.71E-17	8/17/2016	2.01E-16	11/17/2016	3.80E-17	2/6/2017	2.96E-17	4/27/2017	8.55E-17	7/21/2017	3.08E-16	2.00E-12
ENGWESA006	BI-214	5/26/2016	1.16E-16	8/19/2016	2.56E-17	11/16/2016	6.38E-17	2/7/2017	5.79E-17	4/27/2017	-1.31E-17	7/20/2017	-1.84E-17	2.00E-12
ENGWESA007	BI-214	5/26/2016	-2.41E-17	8/17/2016	2.21E-16	11/17/2016	7.94E-18	2/6/2017	7.28E-17	4/27/2017	1.15E-16	7/21/2017	1.88E-16	2.00E-12
ENGWESA008	BI-214	5/26/2016	1.16E-16	8/17/2016	1.38E-17	11/16/2016	4.24E-16	2/6/2017	2.85E-17	4/27/2017	1.35E-16	7/20/2017	8.06E-17	2.00E-12
ENGWESA009	BI-214	5/27/2016	1.75E-16	8/19/2016	1.27E-16	11/17/2016	2.60E-17	2/7/2017	-4.91E-17	4/27/2017	6.11E-17	7/20/2017	3.09E-16	2.00E-12
ENGWESA010	BI-214	5/27/2016	3.03E-17	8/19/2016	1.82E-16	11/16/2016	3.16E-17	2/6/2017	-3.00E-17	4/27/2017	-6.19E-17	7/20/2017	2.67E-16	2.00E-12
ENGWESA011	BI-214	5/27/2016	-3.39E-18	8/19/2016	3.37E-16	11/16/2016	5.06E-17	2/6/2017	5.62E-17	4/27/2017	5.66E-17	7/20/2017	6.04E-17	2.00E-12
ENGWESA012	BI-214	5/26/2016	3.11E-16	8/17/2016	1.22E-16	11/16/2016	9.60E-17	2/6/2017	1.07E-16	4/27/2017	1.86E-16	7/21/2017	5.75E-17	2.00E-12
ENGWESA013	BI-214	5/27/2016	2.54E-17	8/19/2016	2.53E-17	11/17/2016	9.03E-17	2/6/2017	4.19E-17	4/27/2017	9.11E-17	7/21/2017	6.10E-17	2.00E-12
ENGWESA001	PB-210	5/26/2016	5.39E-15	8/17/2016	1.99E-14	11/16/2016	2.48E-14	2/7/2017	1.31E-14	4/27/2017	9.25E-15	7/20/2017	1.24E-14	6.00E-13
ENGWESA002	PB-210	5/27/2016	7.29E-15	8/19/2016	1.29E-14	11/16/2016	2.93E-14	2/7/2017	1.93E-14	4/27/2017	9.04E-15	7/20/2017	4.61E-13	6.00E-13
ENGWESA003	PB-210	5/27/2016	5.98E-15	8/19/2016	1.25E-14	11/17/2016	2.47E-14	2/7/2017	1.69E-14	4/27/2017	1.15E-14	7/20/2017	3.82E-13	6.00E-13
ENGWESA004	PB-210	5/27/2016	8.39E-15	8/19/2016	1.44E-14	11/17/2016	3.19E-14	2/7/2017	1.94E-14	4/27/2017		7/20/2017	4.28E-13	6.00E-13
ENGWESA005	PB-210	5/26/2016	1.15E-14	8/17/2016	1.47E-14	11/17/2016	2.22E-14	2/6/2017	4.92E-13	4/27/2017	1.11E-14	7/21/2017	1.15E-14	6.00E-13
ENGWESA006	PB-210	5/26/2016	7.69E-15	8/19/2016	1.59E-14	11/16/2016	2.64E-14	2/7/2017	1.70E-14	4/27/2017	2.72E-13	7/20/2017	9.72E-15	6.00E-13
ENGWESA007	PB-210	5/26/2016	8.29E-15	8/17/2016	9.36E-15	11/17/2016	2.28E-14	2/6/2017	1.25E-14	4/27/2017	9.03E-15	7/21/2017	1.90E-14	6.00E-13
ENGWESA008	PB-210	5/26/2016	8.91E-15	8/17/2016	1.26E-14	11/16/2016	2.57E-14	2/6/2017	1.43E-14	4/27/2017	9.27E-15	7/20/2017	4.31E-13	6.00E-13
ENGWESA009	PB-210	5/27/2016	9.37E-15	8/19/2016	1.40E-14	11/17/2016	2.99E-14	2/7/2017	1.54E-14	4/27/2017	1.00E-14	7/20/2017	1.63E-14	6.00E-13
ENGWESA010	PB-210	5/27/2016	7.12E-15	8/19/2016	8.99E-15	11/16/2016	2.92E-14	2/6/2017	3.51E-13	4/27/2017	2.41E-13	7/20/2017	1.64E-14	6.00E-13
ENGWESA011	PB-210	5/27/2016	8.71E-15	8/19/2016	1.26E-14	11/16/2016	2.38E-14	2/6/2017	1.51E-14	4/27/2017	1.11E-14	7/20/2017	6.18E-15	6.00E-13
ENGWESA012	PB-210	5/26/2016	1.55E-14	8/17/2016	1.43E-14	11/16/2016	2.13E-14	2/6/2017	1.63E-14	4/27/2017	7.31E-15	7/21/2017	3.93E-13	6.00E-13
ENGWESA013	PB-210	5/27/2016	1.10E-14	8/19/2016	1.68E-14	11/17/2016	2.62E-14	2/6/2017	1.66E-14	4/27/2017	9.84E-15	7/21/2017	7.93E-15	6.00E-13

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PB-214	5/26/2016	-4.96E-17	8/17/2016	9.31E-17	11/16/2016	1.24E-16	2/7/2017	3.02E-17	4/27/2017	9.67E-17	7/20/2017	4.39E-17	1.00E-09
ENGWESA002	PB-214	5/27/2016	1.45E-16	8/19/2016	1.74E-16	11/16/2016	2.55E-16	2/7/2017	1.67E-16	4/27/2017	9.77E-17	7/20/2017	1.87E-16	1.00E-09
ENGWESA003	PB-214	5/27/2016	1.72E-16	8/19/2016	8.79E-17	11/17/2016	1.66E-16	2/7/2017	3.00E-17	4/27/2017	-2.63E-17	7/20/2017	9.70E-17	1.00E-09
ENGWESA004	PB-214	5/27/2016	3.20E-17	8/19/2016	4.79E-17	11/17/2016	1.84E-17	2/7/2017	5.71E-17	4/27/2017		7/20/2017	4.61E-17	1.00E-09
ENGWESA005	PB-214	5/26/2016	6.20E-17	8/17/2016	1.46E-16	11/17/2016	-5.63E-17	2/6/2017	-3.90E-17	4/27/2017	2.06E-16	7/21/2017	1.70E-16	1.00E-09
ENGWESA006	PB-214	5/26/2016	1.62E-16	8/19/2016	9.37E-17	11/16/2016	1.50E-17	2/7/2017	-3.52E-18	4/27/2017	2.74E-17	7/20/2017	1.12E-16	1.00E-09
ENGWESA007	PB-214	5/26/2016	1.13E-16	8/17/2016	1.56E-16	11/17/2016	-2.55E-18	2/6/2017	5.12E-17	4/27/2017	1.48E-16	7/21/2017	1.44E-16	1.00E-09
ENGWESA008	PB-214	5/26/2016	9.67E-17	8/17/2016	9.14E-17	11/16/2016	3.12E-17	2/6/2017	1.60E-16	4/27/2017	5.66E-17	7/20/2017	1.35E-16	1.00E-09
ENGWESA009	PB-214	5/27/2016	1.27E-16	8/19/2016	1.57E-16	11/17/2016	1.10E-16	2/7/2017	5.51E-17	4/27/2017	1.43E-16	7/20/2017	1.66E-16	1.00E-09
ENGWESA010	PB-214	5/27/2016	5.51E-17	8/19/2016	-1.56E-17	11/16/2016	2.78E-17	2/6/2017	3.88E-17	4/27/2017	-3.63E-18	7/20/2017	7.58E-17	1.00E-09
ENGWESA011	PB-214	5/27/2016	-3.61E-17	8/19/2016	2.79E-16	11/16/2016	-6.47E-17	2/6/2017	2.75E-17	4/27/2017	7.35E-17	7/20/2017	-1.11E-19	1.00E-09
ENGWESA012	PB-214	5/26/2016	2.18E-16	8/17/2016	9.17E-17	11/16/2016	1.02E-16	2/6/2017	4.61E-19	4/27/2017	8.45E-18	7/21/2017	1.34E-16	1.00E-09
ENGWESA013	PB-214	5/27/2016	9.82E-17	8/19/2016	1.57E-16	11/17/2016	3.79E-17	2/6/2017	9.48E-17	4/27/2017	1.62E-16	7/21/2017	-2.95E-17	1.00E-09
ENGWESA001	K-40	5/26/2016	4.21E-16	8/17/2016	6.04E-16	11/16/2016	8.83E-16	2/7/2017	-9.91E-17	4/27/2017	6.98E-16	7/20/2017	7.81E-16	6.00E-10
ENGWESA002	K-40	5/27/2016	2.71E-16	8/19/2016	9.13E-16	11/16/2016	-1.81E-17	2/7/2017	6.98E-17	4/27/2017	2.58E-16	7/20/2017	9.40E-16	6.00E-10
ENGWESA003	K-40	5/27/2016	-2.04E-17	8/19/2016	5.75E-16	11/17/2016	1.58E-16	2/7/2017	6.34E-16	4/27/2017	2.65E-16	7/20/2017	8.79E-16	6.00E-10
ENGWESA004	K-40	5/27/2016	2.20E-16	8/19/2016	7.01E-16	11/17/2016	4.32E-16	2/7/2017	-3.08E-17	4/27/2017		7/20/2017	-8.11E-17	6.00E-10
ENGWESA005	K-40	5/26/2016	-1.02E-16	8/17/2016	3.10E-16	11/17/2016	3.57E-17	2/6/2017	0.00E+00	4/27/2017	-1.31E-16	7/21/2017	2.88E-16	6.00E-10
ENGWESA006	K-40	5/26/2016	7.17E-17	8/19/2016	5.21E-16	11/16/2016	3.97E-16	2/7/2017	1.49E-16	4/27/2017	3.77E-16	7/20/2017	2.43E-16	6.00E-10
ENGWESA007	K-40	5/26/2016	4.97E-16	8/17/2016	8.91E-16	11/17/2016	3.56E-16	2/6/2017	6.82E-16	4/27/2017	5.02E-16	7/21/2017	1.96E-16	6.00E-10
ENGWESA008	K-40	5/26/2016	2.69E-16	8/17/2016	2.41E-16	11/16/2016	-2.88E-16	2/6/2017	-4.49E-16	4/27/2017	4.40E-16	7/20/2017	4.15E-16	6.00E-10
ENGWESA009	K-40	5/27/2016	6.26E-16	8/19/2016	3.24E-16	11/17/2016	4.66E-16	2/7/2017	1.05E-15	4/27/2017	5.45E-16	7/20/2017	6.65E-16	6.00E-10
ENGWESA010	K-40	5/27/2016	1.93E-16	8/19/2016	7.84E-16	11/16/2016	4.17E-16	2/6/2017	-4.61E-16	4/27/2017	7.35E-16	7/20/2017	1.36E-16	6.00E-10
ENGWESA011	K-40	5/27/2016	-1.38E-16	8/19/2016	2.20E-16	11/16/2016	-8.28E-16	2/6/2017	6.23E-16	4/27/2017	6.80E-16	7/20/2017	-1.15E-16	6.00E-10
ENGWESA012	K-40	5/26/2016	9.63E-16	8/17/2016	3.69E-17	11/16/2016	3.22E-16	2/6/2017	2.67E-16	4/27/2017	2.41E-16	7/21/2017	3.15E-18	6.00E-10
ENGWESA013	K-40	5/27/2016	8.35E-16	8/19/2016	3.56E-16	11/17/2016	6.95E-16	2/6/2017	1.21E-16	4/27/2017	7.11E-16	7/21/2017	2.22E-16	6.00E-10

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PA-231	5/26/2016	1.68E-17	8/17/2016	-1.63E-15	11/16/2016	-6.27E-16	2/7/2017	3.92E-16	4/27/2017	7.34E-16	7/20/2017	1.17E-15	8.00E-15
ENGWESA002	PA-231	5/27/2016	5.15E-16	8/19/2016	1.68E-15	11/16/2016	-1.41E-15	2/7/2017	-2.53E-17	4/27/2017	1.23E-15	7/20/2017	1.79E-14	8.00E-15
ENGWESA003	PA-231	5/27/2016	9.16E-17	8/19/2016	-6.87E-16	11/17/2016	-4.28E-16	2/7/2017	8.18E-16	4/27/2017	2.57E-15	7/20/2017	5.13E-16	8.00E-15
ENGWESA004	PA-231	5/27/2016	6.23E-16	8/19/2016	2.73E-16	11/17/2016	-1.04E-15	2/7/2017	4.49E-15	4/27/2017		7/20/2017	-5.59E-16	8.00E-15
ENGWESA005	PA-231	5/26/2016	-3.54E-17	8/17/2016	-1.04E-16	11/17/2016	1.20E-16	2/6/2017	1.12E-15	4/27/2017	1.94E-16	7/21/2017	1.99E-15	8.00E-15
ENGWESA006	PA-231	5/26/2016	-1.27E-15	8/19/2016	-1.00E-15	11/16/2016	-1.25E-15	2/7/2017	-6.17E-16	4/27/2017	1.03E-15	7/20/2017	-3.95E-16	8.00E-15
ENGWESA007	PA-231	5/26/2016	3.96E-15	8/17/2016	5.32E-16	11/17/2016	1.07E-15	2/6/2017	2.02E-15	4/27/2017	1.05E-16	7/21/2017	-8.72E-16	8.00E-15
ENGWESA008	PA-231	5/26/2016	-1.01E-15	8/17/2016	1.05E-15	11/16/2016	-6.58E-16	2/6/2017	-3.33E-16	4/27/2017	3.00E-15	7/20/2017	3.83E-16	8.00E-15
ENGWESA009	PA-231	5/27/2016	-7.24E-16	8/19/2016	7.50E-16	11/17/2016	1.02E-15	2/7/2017	2.16E-15	4/27/2017	9.55E-16	7/20/2017	5.79E-16	8.00E-15
ENGWESA010	PA-231	5/27/2016	2.33E-15	8/19/2016	1.20E-15	11/16/2016	2.94E-16	2/6/2017	2.54E-15	4/27/2017	1.57E-15	7/20/2017	1.63E-15	8.00E-15
ENGWESA011	PA-231	5/27/2016	-3.56E-17	8/19/2016	2.13E-16	11/16/2016	1.91E-15	2/6/2017	9.66E-16	4/27/2017	-3.53E-16	7/20/2017	3.83E-16	8.00E-15
ENGWESA012	PA-231	5/26/2016	-4.20E-16	8/17/2016	2.15E-15	11/16/2016	2.59E-16	2/6/2017	1.26E-16	4/27/2017	-1.27E-15	7/21/2017	-1.93E-15	8.00E-15
ENGWESA013	PA-231	5/27/2016	1.01E-15	8/19/2016	2.18E-15	11/17/2016	8.58E-16	2/6/2017	1.83E-15	4/27/2017	2.02E-15	7/21/2017	1.32E-15	8.00E-15
ENGWESA001	TH-230	5/26/2016	1.18E-17	8/17/2016	1.60E-17	11/16/2016	8.21E-18	2/7/2017	4.98E-17	4/27/2017	3.39E-17	7/20/2017	2.21E-17	3.00E-14
ENGWESA002	TH-230	5/27/2016	1.17E-17	8/19/2016	7.20E-18	11/16/2016	2.17E-17	2/7/2017	8.02E-17	4/27/2017	4.60E-17	7/20/2017	3.20E-17	3.00E-14
ENGWESA003	TH-230	5/27/2016	2.03E-17	8/19/2016	2.32E-17	11/17/2016	2.26E-17	2/7/2017	5.27E-17	4/27/2017	5.07E-17	7/20/2017	2.98E-17	3.00E-14
ENGWESA004	TH-230	5/27/2016	2.30E-17	8/19/2016	2.23E-17	11/17/2016	3.84E-17	2/7/2017	4.34E-17	4/27/2017		7/20/2017	4.30E-17	3.00E-14
ENGWESA005	TH-230	5/26/2016	2.62E-17	8/17/2016	1.67E-17	11/17/2016	3.47E-17	2/6/2017	4.18E-17	4/27/2017	5.27E-17	7/21/2017	1.57E-17	3.00E-14
ENGWESA006	TH-230	5/26/2016	1.96E-17	8/19/2016	1.95E-17	11/16/2016	1.94E-17	2/7/2017	3.29E-17	4/27/2017	2.67E-17	7/20/2017	2.51E-17	3.00E-14
ENGWESA007	TH-230	5/26/2016	1.60E-17	8/17/2016	5.04E-17	11/17/2016	2.04E-17	2/6/2017	3.57E-17	4/27/2017	3.81E-17	7/21/2017	2.72E-17	3.00E-14
ENGWESA008	TH-230	5/26/2016	1.15E-17	8/17/2016	1.58E-17	11/16/2016	1.62E-17	2/6/2017	3.16E-17	4/27/2017	6.66E-17	7/20/2017	2.09E-17	3.00E-14
ENGWESA009	TH-230	5/27/2016	1.32E-17	8/19/2016	3.05E-17	11/17/2016	1.63E-17	2/7/2017	5.62E-17	4/27/2017	4.72E-17	7/20/2017	3.68E-17	3.00E-14
ENGWESA010	TH-230	5/27/2016	1.00E-17	8/19/2016	1.58E-17	11/16/2016	2.22E-17	2/6/2017	5.23E-17	4/27/2017	8.02E-17	7/20/2017	2.58E-17	3.00E-14
ENGWESA011	TH-230	5/27/2016	1.44E-17	8/19/2016	1.97E-17	11/16/2016	2.09E-16	2/6/2017	2.98E-17	4/27/2017	3.59E-17	7/20/2017	2.52E-17	3.00E-14
ENGWESA012	TH-230	5/26/2016	8.97E-18	8/17/2016	3.56E-17	11/16/2016	2.29E-17	2/6/2017	2.11E-17	4/27/2017	2.14E-17	7/21/2017	1.97E-17	3.00E-14
ENGWESA013	TH-230	5/27/2016	1.67E-17	8/19/2016	1.45E-17	11/17/2016	1.53E-17	2/6/2017	3.02E-17	4/27/2017	4.08E-17	7/21/2017	1.68E-17	3.00E-14



Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	TH-232	5/26/2016	4.63E-18	8/17/2016	8.40E-18	11/16/2016	2.47E-18	2/7/2017	1.49E-17	4/27/2017	1.94E-18	7/20/2017	9.23E-18	5.00E-14
ENGWESA002	TH-232	5/27/2016	5.97E-18	8/19/2016	4.18E-18	11/16/2016	8.31E-18	2/7/2017	5.03E-17	4/27/2017	1.23E-17	7/20/2017	4.90E-18	5.00E-14
ENGWESA003	TH-232	5/27/2016	5.00E-18	8/19/2016	2.62E-18	11/17/2016	9.37E-18	2/7/2017	1.49E-17	4/27/2017	8.94E-18	7/20/2017	6.93E-18	5.00E-14
ENGWESA004	TH-232	5/27/2016	7.15E-18	8/19/2016	7.35E-18	11/17/2016	8.05E-18	2/7/2017	1.43E-17	4/27/2017		7/20/2017	7.44E-18	5.00E-14
ENGWESA005	TH-232	5/26/2016	6.49E-18	8/17/2016	3.73E-18	11/17/2016	1.01E-17	2/6/2017	1.94E-17	4/27/2017	6.10E-18	7/21/2017	3.15E-18	5.00E-14
ENGWESA006	TH-232	5/26/2016	3.66E-18	8/19/2016	8.05E-18	11/16/2016	9.16E-18	2/7/2017	1.41E-17	4/27/2017	5.28E-18	7/20/2017	6.71E-18	5.00E-14
ENGWESA007	TH-232	5/26/2016	4.91E-18	8/17/2016	1.13E-17	11/17/2016	7.75E-18	2/6/2017	1.67E-17	4/27/2017	9.07E-18	7/21/2017	7.44E-18	5.00E-14
ENGWESA008	TH-232	5/26/2016	9.05E-20	8/17/2016	5.37E-18	11/16/2016	5.86E-18	2/6/2017	8.06E-18	4/27/2017	1.17E-17	7/20/2017	4.39E-18	5.00E-14
ENGWESA009	TH-232	5/27/2016	4.86E-18	8/19/2016	1.00E-17	11/17/2016	9.10E-18	2/7/2017	2.14E-17	4/27/2017	7.27E-18	7/20/2017	8.81E-18	5.00E-14
ENGWESA010	TH-232	5/27/2016	3.20E-18	8/19/2016	1.64E-18	11/16/2016	6.83E-18	2/6/2017	2.00E-17	4/27/2017	6.87E-18	7/20/2017	7.11E-18	5.00E-14
ENGWESA011	TH-232	5/27/2016	1.98E-18	8/19/2016	-6.69E-18	11/16/2016	8.52E-18	2/6/2017	1.29E-17	4/27/2017	9.96E-18	7/20/2017	8.18E-18	5.00E-14
ENGWESA012	TH-232	5/26/2016	2.98E-18	8/17/2016	2.50E-18	11/16/2016	1.11E-17	2/6/2017	1.77E-17	4/27/2017	2.10E-18	7/21/2017	3.72E-18	5.00E-14
ENGWESA013	TH-232	5/27/2016	3.49E-18	8/19/2016	4.59E-18	11/17/2016	7.34E-18	2/6/2017	9.41E-18	4/27/2017	1.26E-17	7/21/2017	2.48E-18	5.00E-14
ENGWESA001	U-234	5/26/2016	1.23E-17	8/17/2016	6.86E-17	11/16/2016	2.22E-17	2/7/2017	1.22E-16	4/27/2017	4.65E-17	7/20/2017	2.86E-17	6.00E-14
ENGWESA002	U-234	5/27/2016	4.93E-17	8/19/2016	1.38E-16	11/16/2016	2.04E-17	2/7/2017	1.86E-16	4/27/2017	5.00E-17	7/20/2017	2.39E-17	6.00E-14
ENGWESA003	U-234	5/27/2016	2.11E-17	8/19/2016	7.23E-17	11/17/2016	2.33E-17	2/7/2017	9.51E-17	4/27/2017	6.67E-17	7/20/2017	1.72E-17	6.00E-14
ENGWESA004	U-234	5/27/2016	2.65E-17	8/19/2016	5.91E-17	11/17/2016	1.56E-17	2/7/2017	1.07E-16	4/27/2017		7/20/2017	2.62E-17	6.00E-14
ENGWESA005	U-234	5/26/2016	2.65E-17	8/17/2016	7.29E-17	11/17/2016	1.74E-17	2/6/2017	1.36E-16	4/27/2017	5.64E-17	7/21/2017	1.41E-17	6.00E-14
ENGWESA006	U-234	5/26/2016	2.61E-17	8/19/2016	7.95E-17	11/16/2016	2.23E-17	2/7/2017	1.09E-16	4/27/2017	4.45E-17	7/20/2017	2.32E-17	6.00E-14
ENGWESA007	U-234	5/26/2016	3.12E-17	8/17/2016	1.18E-16	11/17/2016	1.70E-17	2/6/2017	9.97E-17	4/27/2017	5.53E-17	7/21/2017	1.93E-17	6.00E-14
ENGWESA008	U-234	5/26/2016	2.62E-17	8/17/2016	6.12E-17	11/16/2016	2.06E-17	2/6/2017	1.38E-16	4/27/2017	7.96E-17	7/20/2017	2.01E-17	6.00E-14
ENGWESA009	U-234	5/27/2016	3.48E-17	8/19/2016	8.32E-17	11/17/2016	1.38E-17	2/7/2017	1.55E-16	4/27/2017	4.23E-17	7/20/2017	1.99E-17	6.00E-14
ENGWESA010	U-234	5/27/2016	2.65E-17	8/19/2016	6.58E-17	11/16/2016	1.88E-17	2/6/2017	1.15E-16	4/27/2017	6.76E-17	7/20/2017	1.90E-17	6.00E-14
ENGWESA011	U-234	5/27/2016	2.39E-17	8/19/2016	6.48E-17	11/16/2016	2.61E-17	2/6/2017	1.12E-16	4/27/2017	6.16E-17	7/20/2017	1.24E-17	6.00E-14
ENGWESA012	U-234	5/26/2016	2.45E-17	8/17/2016	7.59E-17	11/16/2016	1.84E-17	2/6/2017	9.63E-17	4/27/2017	4.89E-17	7/21/2017	3.08E-17	6.00E-14
ENGWESA013	U-234	5/27/2016	2.33E-17	8/19/2016	9.31E-17	11/17/2016	1.50E-17	2/6/2017	1.16E-16	4/27/2017	5.71E-17	7/21/2017	1.58E-17	6.00E-14

Comparison of Isotopic Results to NRC Appendix B Effluent Limits

Client ID	Analyte	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	U-235	5/26/2016	4.09E-18	8/17/2016	3.92E-18	11/16/2016	1.34E-18	2/7/2017	1.55E-17	4/27/2017	6.78E-18	7/20/2017	7.16E-18	6.00E-14
ENGWESA002	U-235	5/27/2016	2.01E-17	8/19/2016	2.14E-17	11/16/2016	2.06E-18	2/7/2017	1.07E-17	4/27/2017	3.67E-18	7/20/2017	1.47E-18	6.00E-14
ENGWESA003	U-235	5/27/2016	2.14E-18	8/19/2016	1.46E-17	11/17/2016	1.77E-18	2/7/2017	7.97E-18	4/27/2017	7.54E-18	7/20/2017	1.15E-18	6.00E-14
ENGWESA004	U-235	5/27/2016	2.63E-18	8/19/2016	4.17E-18	11/17/2016	5.33E-19	2/7/2017	1.06E-17	4/27/2017		7/20/2017	3.17E-18	6.00E-14
ENGWESA005	U-235	5/26/2016	4.33E-18	8/17/2016	1.23E-17	11/17/2016	-6.39E-19	2/6/2017	1.64E-17	4/27/2017	7.51E-18	7/21/2017	1.53E-18	6.00E-14
ENGWESA006	U-235	5/26/2016	2.38E-18	8/19/2016	6.77E-18	11/16/2016	-1.06E-18	2/7/2017	2.27E-17	4/27/2017	1.03E-18	7/20/2017	6.39E-18	6.00E-14
ENGWESA007	U-235	5/26/2016	3.23E-18	8/17/2016	1.67E-17	11/17/2016	5.35E-18	2/6/2017	1.27E-17	4/27/2017	5.89E-18	7/21/2017	1.51E-18	6.00E-14
ENGWESA008	U-235	5/26/2016	2.32E-18	8/17/2016	2.93E-18	11/16/2016	5.57E-19	2/6/2017	5.49E-18	4/27/2017	1.14E-17	7/20/2017	3.01E-18	6.00E-14
ENGWESA009	U-235	5/27/2016	2.40E-18	8/19/2016	1.96E-17	11/17/2016	1.95E-18	2/7/2017	1.47E-17	4/27/2017	6.81E-18	7/20/2017	2.00E-18	6.00E-14
ENGWESA010	U-235	5/27/2016	-1.50E-19	8/19/2016	3.90E-18	11/16/2016	3.09E-18	2/6/2017	9.81E-18	4/27/2017	2.98E-18	7/20/2017	3.58E-18	6.00E-14
ENGWESA011	U-235	5/27/2016	4.18E-18	8/19/2016	3.99E-18	11/16/2016	-6.06E-19	2/6/2017	7.62E-18	4/27/2017	1.14E-17	7/20/2017	1.25E-18	6.00E-14
ENGWESA012	U-235	5/26/2016	1.24E-18	8/17/2016	1.04E-17	11/16/2016	1.49E-18	2/6/2017	8.47E-18	4/27/2017	8.26E-18	7/21/2017	6.65E-18	6.00E-14
ENGWESA013	U-235	5/27/2016	1.35E-18	8/19/2016	1.46E-17	11/17/2016	1.13E-18	2/6/2017	1.01E-17	4/27/2017	-7.48E-19	7/21/2017	3.89E-18	6.00E-14
ENGWESA001	U-238	5/26/2016	1.34E-17	8/17/2016	3.09E-17	11/16/2016	3.41E-17	2/7/2017	3.64E-17	4/27/2017	2.24E-17	7/20/2017	2.40E-17	6.00E-14
ENGWESA002	U-238	5/27/2016	2.07E-17	8/19/2016	6.00E-17	11/16/2016	2.42E-17	2/7/2017	8.95E-17	4/27/2017	2.85E-17	7/20/2017	1.57E-17	6.00E-14
ENGWESA003	U-238	5/27/2016	2.50E-17	8/19/2016	2.63E-17	11/17/2016	2.16E-17	2/7/2017	3.60E-17	4/27/2017	2.09E-17	7/20/2017	1.03E-17	6.00E-14
ENGWESA004	U-238	5/27/2016	2.31E-17	8/19/2016	1.60E-17	11/17/2016	1.85E-17	2/7/2017	4.06E-17	4/27/2017		7/20/2017	2.63E-17	6.00E-14
ENGWESA005	U-238	5/26/2016	2.29E-17	8/17/2016	1.65E-17	11/17/2016	1.53E-17	2/6/2017	5.72E-17	4/27/2017	2.95E-17	7/21/2017	1.77E-17	6.00E-14
ENGWESA006	U-238	5/26/2016	1.94E-17	8/19/2016	3.71E-17	11/16/2016	2.80E-17	2/7/2017	2.56E-17	4/27/2017	8.94E-18	7/20/2017	2.04E-17	6.00E-14
ENGWESA007	U-238	5/26/2016	2.86E-17	8/17/2016	4.51E-17	11/17/2016	2.39E-17	2/6/2017	5.37E-17	4/27/2017	3.12E-17	7/21/2017	1.66E-17	6.00E-14
ENGWESA008	U-238	5/26/2016	4.07E-17	8/17/2016	1.30E-17	11/16/2016	1.94E-17	2/6/2017	4.28E-17	4/27/2017	5.05E-17	7/20/2017	2.12E-17	6.00E-14
ENGWESA009	U-238	5/27/2016	2.97E-17	8/19/2016	1.71E-17	11/17/2016	2.58E-17	2/7/2017	4.52E-17	4/27/2017	3.41E-17	7/20/2017	2.38E-17	6.00E-14
ENGWESA010	U-238	5/27/2016	1.79E-17	8/19/2016	3.09E-17	11/16/2016	1.85E-17	2/6/2017	3.34E-17	4/27/2017	2.66E-17	7/20/2017	1.96E-17	6.00E-14
ENGWESA011	U-238	5/27/2016	1.93E-17	8/19/2016	2.52E-17	11/16/2016	2.02E-17	2/6/2017	5.05E-17	4/27/2017	2.14E-17	7/20/2017	1.74E-17	6.00E-14
ENGWESA012	U-238	5/26/2016	2.40E-17	8/17/2016	2.95E-17	11/16/2016	1.93E-17	2/6/2017	3.55E-17	4/27/2017	2.07E-17	7/21/2017	1.54E-17	6.00E-14
ENGWESA013	U-238	5/27/2016	1.69E-17	8/19/2016	3.60E-17	11/17/2016	2.27E-17	2/6/2017	2.27E-17	4/27/2017	4.26E-17	7/21/2017	1.27E-17	6.00E-14

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	AC-227	10/12/2017	7.44E-18	1.00E-15
ENGWESA002	AC-227	10/12/2017	5.54E-18	1.00E-15
ENGWESA003	AC-227	10/13/2017	5.50E-18	1.00E-15
ENGWESA004	AC-227	10/13/2017	5.30E-18	1.00E-15
ENGWESA005	AC-227	10/13/2017	1.96E-18	1.00E-15
ENGWESA006	AC-227	10/12/2017	2.19E-18	1.00E-15
ENGWESA007	AC-227	10/13/2017	4.28E-18	1.00E-15
ENGWESA008	AC-227	10/14/2017	3.66E-18	1.00E-15
ENGWESA009	AC-227	10/12/2017	2.13E-18	1.00E-15
ENGWESA010	AC-227	10/14/2017	6.69E-18	1.00E-15
ENGWESA011	AC-227	10/12/2017	2.18E-18	1.00E-15
ENGWESA012	AC-227	10/14/2017	1.56E-18	1.00E-15
ENGWESA013	AC-227	10/13/2017	4.70E-18	1.00E-15
ENGWESA001	AC-228	10/12/2017	6.46E-17	2.00E-11
ENGWESA002	AC-228	10/12/2017	6.57E-17	2.00E-11
ENGWESA003	AC-228	10/13/2017	6.99E-17	2.00E-11
ENGWESA004	AC-228	10/13/2017	4.22E-17	2.00E-11
ENGWESA005	AC-228	10/13/2017	3.21E-17	2.00E-11
ENGWESA006	AC-228	10/12/2017	7.37E-17	2.00E-11
ENGWESA007	AC-228	10/13/2017	4.80E-17	2.00E-11
ENGWESA008	AC-228	10/14/2017	4.13E-17	2.00E-11
ENGWESA009	AC-228	10/12/2017	5.78E-17	2.00E-11
ENGWESA010	AC-228	10/14/2017	5.69E-17	2.00E-11
ENGWESA011	AC-228	10/12/2017	2.48E-16	2.00E-11
ENGWESA012	AC-228	10/14/2017	4.06E-16	2.00E-11
ENGWESA013	AC-228	10/13/2017	-3.67E-17	2.00E-11

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	BI-214	10/12/2017	9.87E-17	2.00E-12
ENGWESA002	BI-214	10/12/2017	1.47E-16	2.00E-12
ENGWESA003	BI-214	10/13/2017	3.82E-17	2.00E-12
ENGWESA004	BI-214	10/13/2017	4.27E-17	2.00E-12
ENGWESA005	BI-214	10/13/2017	2.86E-17	2.00E-12
ENGWESA006	BI-214	10/12/2017	8.71E-18	2.00E-12
ENGWESA007	BI-214	10/13/2017	4.11E-17	2.00E-12
ENGWESA008	BI-214	10/14/2017	9.00E-17	2.00E-12
ENGWESA009	BI-214	10/12/2017	3.00E-17	2.00E-12
ENGWESA010	BI-214	10/14/2017	1.44E-17	2.00E-12
ENGWESA011	BI-214	10/12/2017	9.41E-17	2.00E-12
ENGWESA012	BI-214	10/14/2017	9.36E-17	2.00E-12
ENGWESA013	BI-214	10/13/2017	9.67E-18	2.00E-12
ENGWESA001	PB-210	10/12/2017	4.57E-15	6.00E-13
ENGWESA002	PB-210	10/12/2017	4.39E-15	6.00E-13
ENGWESA003	PB-210	10/13/2017	5.32E-15	6.00E-13
ENGWESA004	PB-210	10/13/2017	4.92E-15	6.00E-13
ENGWESA005	PB-210	10/13/2017	3.67E-15	6.00E-13
ENGWESA006	PB-210	10/12/2017	4.52E-15	6.00E-13
ENGWESA007	PB-210	10/13/2017	1.40E-13	6.00E-13
ENGWESA008	PB-210	10/14/2017	4.17E-15	6.00E-13
ENGWESA009	PB-210	10/12/2017	3.94E-15	6.00E-13
ENGWESA010	PB-210	10/14/2017	4.36E-15	6.00E-13
ENGWESA011	PB-210	10/12/2017	4.38E-15	6.00E-13
ENGWESA012	PB-210	10/14/2017	1.57E-13	6.00E-13
ENGWESA013	PB-210	10/13/2017	4.80E-15	6.00E-13

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PB-214	10/12/2017	1.18E-16	1.00E-09
ENGWESA002	PB-214	10/12/2017	1.56E-16	1.00E-09
ENGWESA003	PB-214	10/13/2017	5.18E-17	1.00E-09
ENGWESA004	PB-214	10/13/2017	8.62E-17	1.00E-09
ENGWESA005	PB-214	10/13/2017	1.43E-16	1.00E-09
ENGWESA006	PB-214	10/12/2017	2.43E-17	1.00E-09
ENGWESA007	PB-214	10/13/2017	9.11E-17	1.00E-09
ENGWESA008	PB-214	10/14/2017	1.27E-16	1.00E-09
ENGWESA009	PB-214	10/12/2017	8.27E-17	1.00E-09
ENGWESA010	PB-214	10/14/2017	1.19E-16	1.00E-09
ENGWESA011	PB-214	10/12/2017	7.04E-17	1.00E-09
ENGWESA012	PB-214	10/14/2017	2.68E-16	1.00E-09
ENGWESA013	PB-214	10/13/2017	-5.11E-17	1.00E-09
ENGWESA001	K-40	10/12/2017	8.87E-17	6.00E-10
ENGWESA002	K-40	10/12/2017	4.31E-16	6.00E-10
ENGWESA003	K-40	10/13/2017	1.90E-16	6.00E-10
ENGWESA004	K-40	10/13/2017	5.67E-16	6.00E-10
ENGWESA005	K-40	10/13/2017	4.56E-16	6.00E-10
ENGWESA006	K-40	10/12/2017	6.56E-16	6.00E-10
ENGWESA007	K-40	10/13/2017	4.76E-16	6.00E-10
ENGWESA008	K-40	10/14/2017	2.09E-16	6.00E-10
ENGWESA009	K-40	10/12/2017	8.49E-16	6.00E-10
ENGWESA010	K-40	10/14/2017	7.88E-16	6.00E-10
ENGWESA011	K-40	10/12/2017	1.03E-15	6.00E-10
ENGWESA012	K-40	10/14/2017	1.45E-16	6.00E-10
ENGWESA013	K-40	10/13/2017	-1.07E-16	6.00E-10

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	PA-231	10/12/2017	9.39E-16	8.00E-15
ENGWESA002	PA-231	10/12/2017	-6.37E-16	8.00E-15
ENGWESA003	PA-231	10/13/2017	4.61E-16	8.00E-15
ENGWESA004	PA-231	10/13/2017	-2.16E-16	8.00E-15
ENGWESA005	PA-231	10/13/2017	-2.74E-16	8.00E-15
ENGWESA006	PA-231	10/12/2017	-5.85E-16	8.00E-15
ENGWESA007	PA-231	10/13/2017	-1.26E-15	8.00E-15
ENGWESA008	PA-231	10/14/2017	8.11E-16	8.00E-15
ENGWESA009	PA-231	10/12/2017	6.73E-16	8.00E-15
ENGWESA010	PA-231	10/14/2017	8.23E-16	8.00E-15
ENGWESA011	PA-231	10/12/2017	-1.41E-16	8.00E-15
ENGWESA012	PA-231	10/14/2017	-1.75E-15	8.00E-15
ENGWESA013	PA-231	10/13/2017	4.81E-16	8.00E-15
ENGWESA001	TH-230	10/12/2017	3.96E-17	3.00E-14
ENGWESA002	TH-230	10/12/2017	2.57E-17	3.00E-14
ENGWESA003	TH-230	10/13/2017	2.31E-17	3.00E-14
ENGWESA004	TH-230	10/13/2017	2.65E-17	3.00E-14
ENGWESA005	TH-230	10/13/2017	2.36E-17	3.00E-14
ENGWESA006	TH-230	10/12/2017	2.63E-17	3.00E-14
ENGWESA007	TH-230	10/13/2017	3.61E-17	3.00E-14
ENGWESA008	TH-230	10/14/2017	2.57E-17	3.00E-14
ENGWESA009	TH-230	10/12/2017	3.70E-17	3.00E-14
ENGWESA010	TH-230	10/14/2017	4.72E-17	3.00E-14
ENGWESA011	TH-230	10/12/2017	8.67E-18	3.00E-14
ENGWESA012	TH-230	10/14/2017	1.36E-17	3.00E-14
ENGWESA013	TH-230	10/13/2017	2.59E-17	3.00E-14

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	TH-232	10/12/2017	2.41E-18	5.00E-14
ENGWESA002	TH-232	10/12/2017	6.94E-18	5.00E-14
ENGWESA003	TH-232	10/13/2017	3.95E-18	5.00E-14
ENGWESA004	TH-232	10/13/2017	7.68E-18	5.00E-14
ENGWESA005	TH-232	10/13/2017	6.59E-18	5.00E-14
ENGWESA006	TH-232	10/12/2017	7.83E-18	5.00E-14
ENGWESA007	TH-232	10/13/2017	6.68E-18	5.00E-14
ENGWESA008	TH-232	10/14/2017	5.23E-18	5.00E-14
ENGWESA009	TH-232	10/12/2017	6.95E-18	5.00E-14
ENGWESA010	TH-232	10/14/2017	7.13E-18	5.00E-14
ENGWESA011	TH-232	10/12/2017	3.08E-18	5.00E-14
ENGWESA012	TH-232	10/14/2017	6.11E-18	5.00E-14
ENGWESA013	TH-232	10/13/2017	3.05E-18	5.00E-14
ENGWESA001	U-234	10/12/2017	2.31E-17	6.00E-14
ENGWESA002	U-234	10/12/2017	1.70E-17	6.00E-14
ENGWESA003	U-234	10/13/2017	2.72E-17	6.00E-14
ENGWESA004	U-234	10/13/2017	2.32E-17	6.00E-14
ENGWESA005	U-234	10/13/2017	2.43E-17	6.00E-14
ENGWESA006	U-234	10/12/2017	1.72E-17	6.00E-14
ENGWESA007	U-234	10/13/2017	2.85E-17	6.00E-14
ENGWESA008	U-234	10/14/2017	1.36E-17	6.00E-14
ENGWESA009	U-234	10/12/2017	2.69E-17	6.00E-14
ENGWESA010	U-234	10/14/2017	1.86E-17	6.00E-14
ENGWESA011	U-234	10/12/2017	1.28E-17	6.00E-14
ENGWESA012	U-234	10/14/2017	1.65E-17	6.00E-14
ENGWESA013	U-234	10/13/2017	1.84E-17	6.00E-14

Client ID	Analyte	Sample Date	uCi/ml	NRC Eff Limit
ENGWESA001	U-235	10/12/2017	6.67E-18	6.00E-14
ENGWESA002	U-235	10/12/2017	2.35E-18	6.00E-14
ENGWESA003	U-235	10/13/2017	3.05E-19	6.00E-14
ENGWESA004	U-235	10/13/2017	2.12E-18	6.00E-14
ENGWESA005	U-235	10/13/2017	2.07E-18	6.00E-14
ENGWESA006	U-235	10/12/2017	3.22E-18	6.00E-14
ENGWESA007	U-235	10/13/2017	1.95E-18	6.00E-14
ENGWESA008	U-235	10/14/2017	-1.97E-19	6.00E-14
ENGWESA009	U-235	10/12/2017	6.91E-19	6.00E-14
ENGWESA010	U-235	10/14/2017	2.90E-18	6.00E-14
ENGWESA011	U-235	10/12/2017	2.96E-18	6.00E-14
ENGWESA012	U-235	10/14/2017	9.45E-19	6.00E-14
ENGWESA013	U-235	10/13/2017	1.44E-18	6.00E-14
ENGWESA001	U-238	10/12/2017	1.99E-17	6.00E-14
ENGWESA002	U-238	10/12/2017	1.93E-17	6.00E-14
ENGWESA003	U-238	10/13/2017	1.76E-17	6.00E-14
ENGWESA004	U-238	10/13/2017	1.69E-17	6.00E-14
ENGWESA005	U-238	10/13/2017	1.37E-17	6.00E-14
ENGWESA006	U-238	10/12/2017	1.91E-17	6.00E-14
ENGWESA007	U-238	10/13/2017	2.12E-17	6.00E-14
ENGWESA008	U-238	10/14/2017	1.34E-17	6.00E-14
ENGWESA009	U-238	10/12/2017	2.86E-17	6.00E-14
ENGWESA010	U-238	10/14/2017	2.49E-17	6.00E-14
ENGWESA011	U-238	10/12/2017	1.34E-17	6.00E-14
ENGWESA012	U-238	10/14/2017	1.75E-17	6.00E-14
ENGWESA013	U-238	10/13/2017	1.53E-17	6.00E-14



# **APPENDIX D**

## **VALIDATED VOLATILE ORGANIC COMPOUND RESULTS**

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	U	0.094				ND	U	0.076
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.079				ND	U	0.063
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.087	0.16		0.11	ND	U	0.07
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.07	0.18		0.087	ND	U	0.056
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.07	0.18		0.087	ND	U	0.056
ENGWESA001	12/8/2015 12:20	UG/M3	ND	U	0.086	0.15		0.11	ND	U	0.069
ENGWESA001	12/23/2015 9:15	UG/M3	ND	U	0.075	0.13		0.093	ND	U	0.061
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	U	0.075	0.11		0.093	ND	U	0.061
ENGWESA001	1/7/2016 13:56	UG/M3	ND	UJ-	0.074	0.12		0.091	ND	U	0.059
ENGWESA001	1/20/2016 11:58	UG/M3	ND	UJ-	0.087	ND	U	0.11	ND	U	0.07
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.08	0.11		0.099	ND	U	0.064
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.08	0.11		0.1	ND	U	0.065
ENGWESA001	3/2/2016 8:28	UG/M3	ND	U	0.08	0.11		0.1	ND	U	0.065
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	U	0.08	0.15		0.1	ND	U	0.065
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.08	0.2		0.099	ND	U	0.064
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.074	0.092		0.092	0.06		0.06
ENGWESA001	4/13/2016 15:17	UG/M3	ND	U	0.085	ND	U	0.1	ND	U	0.068
ENGWESA001	4/27/2016 11:46	UG/M3	ND	U	0.081	0.19		0.1	ND	U	0.065
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA001	6/7/2016 7:47	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.079	ND	U	0.098	ND	U	0.064
ENGWESA001	8/17/2016 15:07	UG/M3	ND	U	0.078	ND	U	0.097	ND	U	0.063
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.082	0.1		0.1	ND	U	0.066
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.077	ND	U	0.095	ND	U	0.062
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.084	0.17		0.1	ND	U	0.068
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.084	0.16		0.1	ND	U	0.068
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.056	0.11		0.07	ND	U	0.046
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.13	ND	U	0.17	ND	U	0.11
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.084	0.18		0.1	ND	U	0.067
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.087	0.19		0.11	ND	U	0.07
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.091	0.16		0.11	ND	U	0.074
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.093	0.12		0.12	ND	U	0.075

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.092	0.15		0.11	ND	U	0.074
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.088	0.13		0.11	ND	U	0.071
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.091	0.16		0.11	ND	U	0.074
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.09	0.16		0.11	ND	U	0.072
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.093	0.15		0.12	ND	U	0.075
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.093	0.12		0.12	ND	U	0.075
ENGWESA001	3/1/2017 8:56	UG/M3	ND	U	0.082	0.13		0.1	ND	U	0.066
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.091	0.12		0.11	ND	U	0.073
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.087	0.23		0.11	ND	U	0.07
ENGWESA001	4/12/2017 9:42	UG/M3	ND	U	0.085	0.12		0.1	ND	U	0.068
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.082	0.21		0.1	ND	U	0.066
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.082	0.17		0.1	ND	U	0.066
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.083	0.16		0.1	ND	U	0.067
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.083	0.13		0.1	ND	U	0.067
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.084	0.16		0.1	ND	U	0.068
ENGWESA001	6/7/2017 10:13	UG/M3	ND	U	0.081	0.2		0.1	ND	U	0.065
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.081	0.12		0.1	ND	U	0.066
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.08	0.1		0.099	ND	U	0.064
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.08	ND	U	0.099	ND	U	0.064
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.079	0.11		0.098	ND	U	0.064
ENGWESA001	8/2/2017 6:25	UG/M3	ND	U	0.081	0.24		0.1	ND	U	0.065
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.08	0.12		0.1	ND	U	0.065
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.079	0.12		0.098	ND	U	0.064
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.083	0.13		0.1	ND	U	0.067
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.083	0.15		0.1	ND	U	0.067
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.083	0.17		0.1	ND	U	0.067
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.086	0.13		0.11	ND	U	0.069
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.089	0.12		0.11	ND	U	0.072
ENGWESA005	5/13/2015 11:35	UG/M3	ND	U	0.093				ND	U	0.075
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.074				ND	U	0.059
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.079				ND	U	0.063
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.079				ND	U	0.063
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.088	0.16		0.11	ND	U	0.07
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.07	0.23		0.086	ND	U	0.056
ENGWESA005	12/8/2015 11:22	UG/M3	ND	U	0.086	0.17		0.11	ND	U	0.069
ENGWESA005	12/23/2015 9:38	UG/M3	ND	U	0.075	0.15		0.093	ND	U	0.06
ENGWESA005	1/8/2016 13:00	UG/M3	ND	UJ-	0.069	0.094		0.086	ND	U	0.056
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	UJ-	0.069	ND	U	0.086	ND	U	0.056

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	UJ-	0.094	ND	U	0.12	ND	U	0.076
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.08	0.13		0.099	ND	U	0.064
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.08	0.11		0.1	ND	U	0.065
ENGWESA005	3/2/2016 9:22	UG/M3	ND	U	0.08	0.12		0.099	ND	U	0.064
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.08	0.19		0.1	ND	U	0.065
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.08	0.18		0.1	ND	U	0.065
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.079	0.11		0.098	0.066		0.063
ENGWESA005	4/13/2016 14:28	UG/M3	ND	U	0.08	ND	U	0.099	ND	U	0.064
ENGWESA005	4/28/2016 12:51	UG/M3	ND	U	0.075	0.22		0.093	ND	U	0.06
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.1
ENGWESA005	6/7/2016 7:01	UG/M3	ND	U	0.1	0.14		0.1	ND	U	0.1
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.1
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.1
ENGWESA005	8/3/2016 14:50	UG/M3	ND	U	0.08	0.11		0.099	ND	U	0.064
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	U	0.08	0.1		0.099	ND	U	0.064
ENGWESA005	8/17/2016 15:43	UG/M3	ND	U	0.078	0.12		0.097	ND	U	0.063
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.082	0.16		0.1	ND	U	0.066
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.077	0.13		0.095	ND	U	0.062
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.084	0.2		0.1	ND	U	0.068
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.057	0.12		0.07	ND	U	0.046
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.057	0.13		0.07	ND	U	0.046
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.13	ND	U	0.16	ND	U	0.1
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.084	0.34		0.1	ND	U	0.068
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.087	0.2		0.11	ND	U	0.07
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.09	0.16		0.11	ND	U	0.073
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.093	0.12		0.12	ND	U	0.075
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.092	0.15		0.11	ND	U	0.074
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.088	0.14		0.11	ND	U	0.071
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.09	0.19		0.11	ND	U	0.072
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.092	0.13		0.11	ND	U	0.074
ENGWESA005	3/1/2017 8:39	UG/M3	ND	U	0.082	0.14		0.1	ND	U	0.066
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	U	0.082	0.16		0.1	ND	U	0.066
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.09	0.14		0.11	ND	U	0.072
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.087	0.14		0.11	ND	U	0.07
ENGWESA005	4/12/2017 9:58	UG/M3	ND	U	0.084	0.12		0.1	ND	U	0.068
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.082	0.18		0.1	ND	U	0.066
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.083	0.21		0.1	ND	U	0.067
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.083	0.19		0.1	ND	U	0.067
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.084	0.14		0.1	ND	U	0.068
ENGWESA005	6/7/2017 11:08	UG/M3	ND	U	0.08	0.18		0.099	ND	U	0.064
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.082	0.15		0.1	ND	U	0.066
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.08	0.13		0.099	ND	U	0.064
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.079	0.15		0.098	ND	U	0.064
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.079	0.11		0.098	ND	U	0.064
ENGWESA005	8/2/2017 6:40	UG/M3	ND	U	0.081	0.13		0.1	ND	U	0.065
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.08	0.14		0.1	ND	U	0.065
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.079	0.15		0.098	ND	U	0.064
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.083	0.17		0.1	ND	U	0.067

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.083	0.21		0.1	ND	U	0.067
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.083	0.19		0.1	ND	U	0.067
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.086	0.19		0.11	ND	U	0.069
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.089	0.12		0.11	ND	U	0.072
ENGWESA007	5/13/2015 11:25	UG/M3	ND	U	0.093				ND	U	0.075
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.074				ND	U	0.059
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.088	0.2		0.11	ND	U	0.07
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.07	0.23		0.086	ND	U	0.056
ENGWESA007	12/8/2015 11:07	UG/M3	ND	U	0.086	0.17		0.11	ND	U	0.07
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	U	0.086	0.18		0.11	ND	U	0.07
ENGWESA007	12/23/2015 9:43	UG/M3	ND	U	0.075	0.18		0.093	ND	U	0.06
ENGWESA007	1/8/2016 13:12	UG/M3	ND	UJ-	0.069	ND	U	0.086	ND	U	0.056
ENGWESA007	1/20/2016 11:06	UG/M3	ND	UJ-	0.094	ND	U	0.12	ND	U	0.076
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	UJ-	0.094	0.12		0.12	ND	U	0.076
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.08	0.14		0.099	ND	U	0.064
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.08	0.17		0.1	ND	U	0.065
ENGWESA007	3/2/2016 14:44	UG/M3	ND	U	0.079	0.15		0.098	ND	U	0.064
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.082	0.18		0.1	ND	U	0.066
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.079	0.12		0.098	0.064		0.063
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.079	0.13		0.098	0.067		0.063
ENGWESA007	4/13/2016 14:22	UG/M3	ND	U	0.08	0.1		0.099	ND	U	0.064
ENGWESA007	4/28/2016 10:53	UG/M3	ND	U	0.075	0.24		0.094	ND	U	0.061
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	0.1	0.16		0.1	ND	U	0.1
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	0.1	0.2		0.1	ND	U	0.1
ENGWESA007	6/7/2016 6:49	UG/M3	ND	U	0.1	0.16		0.1	ND	U	0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	U	0.1	0.16		0.1	ND	U	0.1
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	0.1	0.26		0.1	ND	U	0.1
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.1
ENGWESA007	8/3/2016 15:00	UG/M3	ND	U	0.08	0.16		0.099	ND	U	0.064
ENGWESA007	8/17/2016 16:12	UG/M3	ND	U	0.078	0.14		0.097	ND	U	0.063
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	U	0.078	0.15		0.097	ND	U	0.063
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.082	0.22		0.1	ND	U	0.066
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.077	0.18		0.095	ND	U	0.062
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.084	0.25		0.1	ND	U	0.068
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.056	0.14		0.07	ND	U	0.045
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.13	0.18		0.16	ND	U	0.1
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.084	0.33		0.1	ND	U	0.068

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.087	0.28		0.11	ND	U	0.07
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.091	0.19		0.11	ND	U	0.074
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.093	0.13		0.11	ND	U	0.075
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.092	0.16		0.11	ND	U	0.074
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.092	0.19		0.11	ND	U	0.074
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.088	0.12		0.11	ND	U	0.071
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.09	0.23		0.11	ND	U	0.072
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.092	0.14		0.11	ND	U	0.074
ENGWESA007	3/1/2017 9:44	UG/M3	ND	U	0.082	0.2		0.1	ND	U	0.066
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.09	0.13		0.11	ND	U	0.073
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.09	0.14		0.11	ND	U	0.073
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.087	0.17		0.11	ND	U	0.07
ENGWESA007	4/12/2017 9:55	UG/M3	ND	U	0.084	0.16		0.1	ND	U	0.068
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.082	0.26		0.1	ND	U	0.066
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.082	0.23		0.1	ND	U	0.066
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.084	0.19		0.1	ND	U	0.068
ENGWESA007	6/7/2017 11:00	UG/M3	ND	U	0.08	0.25		0.1	ND	U	0.065
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.082	0.28		0.1	ND	U	0.066
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.08	0.17		0.099	ND	U	0.064
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.079	0.18		0.098	ND	U	0.064
ENGWESA007	8/2/2017 6:32	UG/M3	ND	U	0.081	0.19		0.1	ND	U	0.065
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	U	0.081	0.18		0.1	ND	U	0.065
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.08	0.21		0.1	ND	U	0.065
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.079	0.22		0.098	ND	U	0.064
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.083	0.25		0.1	ND	U	0.067
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.083	0.27		0.1	ND	U	0.067
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.086	0.23		0.11	ND	U	0.069
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.086	0.23		0.11	ND	U	0.069
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.089	0.15		0.11	ND	U	0.072
ENGWESA008	5/13/2015 12:05	UG/M3	ND	U	0.094				ND	U	0.076
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.074				ND	U	0.06
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.078				ND	U	0.063
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.086				ND	U	0.07
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.086				ND	U	0.07
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.087	0.16		0.11	ND	U	0.07
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.07	0.23		0.086	ND	U	0.056
ENGWESA008	12/8/2015 11:45	UG/M3	ND	U	0.086	0.18		0.11	ND	U	0.069
ENGWESA008	12/23/2015 9:30	UG/M3	ND	U	0.075	0.12		0.093	ND	U	0.06
ENGWESA008	1/7/2016 11:12	UG/M3	ND	UJ-	0.074	ND	U	0.092	ND	U	0.06

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	UJ-	0.086	ND	U	0.11	ND	U	0.069
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.075	0.14		0.093	0.078		0.06
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.075	0.13		0.093	ND	U	0.06
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.086	0.12		0.11	ND	U	0.069
ENGWESA008	3/2/2016 8:20	UG/M3	ND	U	0.075	0.099		0.093	ND	U	0.06
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.086	0.16		0.11	ND	U	0.069
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.074	0.11		0.092	0.068		0.06
ENGWESA008	4/13/2016 14:43	UG/M3	ND	U	0.085	ND	U	0.1	ND	U	0.068
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	U	0.085	ND	U	0.1	ND	U	0.068
ENGWESA008	4/28/2016 13:23	UG/M3	ND	U	0.075	0.2		0.093	ND	U	0.06
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	0.1	0.13		0.1	ND	U	0.1
ENGWESA008	6/7/2016 7:11	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	0.1	0.14		0.1	ND	U	0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	0.1	0.14		0.1	ND	U	0.1
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.1	0.13		0.1	ND	U	0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.085	ND	U	0.1	ND	U	0.068
ENGWESA008	8/17/2016 16:37	UG/M3	ND	U	0.078	0.12		0.096	ND	U	0.063
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.083	0.16		0.1	ND	U	0.067
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.083	0.14		0.1	ND	U	0.067
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.076	0.11		0.095	ND	U	0.061
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.084	0.19		0.1	ND	U	0.068
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.056	0.13		0.07	ND	U	0.045
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.13	ND	U	0.16	ND	U	0.1
ENGWESA008	11/9/2016 13:50	UG/M3	ND	U	0.084	0.49		0.1	ND	U	0.068
ENGWESA008 FD	11/9/2016 13:51	UG/M3	ND	U	0.084	0.5		0.1	ND	U	0.068
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.087	0.2		0.11	ND	U	0.07
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.09	0.14		0.11	ND	U	0.073
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.093	0.13		0.12	ND	U	0.075
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.092	0.16		0.11	ND	U	0.074
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.089	ND	U	0.11	ND	U	0.072
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.089	0.12		0.11	ND	U	0.072
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.09	0.16		0.11	ND	U	0.072
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.092	ND	U	0.11	ND	U	0.074
ENGWESA008	3/1/2017 9:56	UG/M3	ND	U	0.082	0.13		0.1	ND	U	0.066
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.09	ND	U	0.11	ND	U	0.072
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.087	0.11		0.11	ND	U	0.07
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.087	ND	U	0.11	ND	U	0.07
ENGWESA008	4/12/2017 10:00	UG/M3	ND	U	0.084	ND	U	0.1	ND	U	0.067
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.082	0.15		0.1	ND	U	0.066
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.083	0.16		0.1	ND	U	0.067
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.084	ND	U	0.1	ND	U	0.068
ENGWESA008	6/7/2017 11:16	UG/M3	ND	U	0.08	0.13		0.099	ND	U	0.064
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	U	0.08	0.14		0.099	ND	U	0.064
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.082	ND	U	0.1	ND	U	0.066
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.08	0.12		0.099	ND	U	0.064
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.079	ND	U	0.098	ND	U	0.064
ENGWESA008	8/2/2017 6:47	UG/M3	ND	U	0.081	0.12		0.1	ND	U	0.065
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.08	0.14		0.1	ND	U	0.065
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.08	0.13		0.1	ND	U	0.065

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.079	0.12		0.098	ND	U	0.064
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.083	0.18		0.1	ND	U	0.067
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.083	0.21		0.1	ND	U	0.067
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.086	0.19		0.11	ND	U	0.069
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.089	ND	U	0.11	ND	U	0.072
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.089	0.12		0.11	ND	U	0.072
ENGWESA011	5/13/2015 11:45	UG/M3	ND	U	0.092				ND	U	0.074
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	U	0.092				ND	U	0.074
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.08				ND	U	0.065
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.074				ND	U	0.06
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.074				ND	U	0.06
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.082				ND	U	0.066
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.08				ND	U	0.064
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.081				ND	U	0.065
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.079				ND	U	0.064
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.086				ND	U	0.069
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.088	0.19		0.11	ND	U	0.071
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.088	0.21		0.11	ND	U	0.071
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.069	0.22		0.086	ND	U	0.056
ENGWESA012	12/8/2015 10:20	UG/M3	ND	U	0.087	0.16		0.11	ND	U	0.07
ENGWESA012	12/23/2015 10:06	UG/M3	ND	U	0.075	0.13		0.093	ND	U	0.06
ENGWESA012	1/7/2016 10:56	UG/M3	ND	UJ-	0.074	ND	U	0.092	ND	U	0.06
ENGWESA012	1/20/2016 11:40	UG/M3	ND	UJ-	0.086	ND	U	0.11	ND	U	0.069
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.08	0.12		0.1	ND	U	0.065
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.087	ND	U	0.11	ND	U	0.07
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.087	0.11		0.11	ND	U	0.07
ENGWESA012	3/2/2016 10:52	UG/M3	ND	U	0.08	0.1		0.099	ND	U	0.064
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.081	0.14		0.1	ND	U	0.065
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.08	ND	U	0.099	ND	U	0.064
ENGWESA012	4/13/2016 13:00	UG/M3	ND	U	0.079	ND	U	0.098	ND	U	0.064
ENGWESA012	4/27/2016 10:33	UG/M3	ND	U	0.081	0.18		0.1	ND	U	0.065
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	U	0.081	0.18		0.1	ND	U	0.065
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	0.1	0.1		0.1	ND	U	0.1
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	0.1	0.16		0.1	ND	U	0.1
ENGWESA012	6/7/2016 6:40	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	0.1	0.13		0.1	ND	U	0.1
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.1	0.14		0.1	ND	U	0.1
ENGWESA012	8/3/2016 15:10	UG/M3	ND	U	0.079	0.11		0.098	ND	U	0.064
ENGWESA012	8/17/2016 17:04	UG/M3	ND	U	0.078	0.11		0.096	ND	U	0.062
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.083	0.13		0.1	ND	U	0.067
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.077	0.12		0.096	ND	U	0.062
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.077	0.13		0.096	ND	U	0.062
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.084	0.2		0.1	ND	U	0.068



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,1,1-Trichloroethane			1,2,4-Trimethylbenzene			1,2-Dichloroethane		
			Result	Final Q	RL				Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.056	0.13		0.07	ND	U	0.045
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.13	ND	U	0.16	ND	U	0.1
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.084	0.21		0.1	ND	U	0.068
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.087	0.2		0.11	ND	U	0.07
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.087	0.24		0.11	ND	U	0.07
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.091	0.17		0.11	ND	U	0.074
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.093	0.13		0.12	ND	U	0.075
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.092	0.18		0.11	ND	U	0.074
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.088	ND	U	0.11	ND	U	0.071
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.09	0.17		0.11	ND	U	0.072
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.09	0.15		0.11	ND	U	0.072
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.093	0.14		0.12	ND	U	0.075
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.082	0.14		0.1	ND	U	0.066
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.091	ND	U	0.11	ND	U	0.073
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.087	0.15		0.11	0.074		0.07
ENGWESA012	4/12/2017 9:30	UG/M3	ND	U	0.085	0.12		0.1	ND	U	0.069
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	U	0.085	0.12		0.1	ND	U	0.069
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.082	0.17		0.1	ND	U	0.066
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.13	ND	U	0.16	ND	U	0.1
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.082	0.13		0.1	ND	U	0.066
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.084	0.11		0.1	ND	U	0.068
ENGWESA012	6/7/2017 11:27	UG/M3	ND	U	0.08	0.15		0.099	ND	U	0.064
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.082	0.18		0.1	ND	U	0.066
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.082	0.16		0.1	ND	U	0.066
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.08	0.12		0.099	ND	U	0.064
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.079	ND	U	0.098	ND	U	0.064
ENGWESA012	8/2/2017 7:11	UG/M3	ND	U	0.081	0.1		0.1	ND	U	0.065
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.081	0.11		0.1	ND	U	0.065
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.079	0.15		0.098	ND	U	0.064
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.079	0.13		0.098	ND	U	0.064
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.084	0.16		0.1	ND	U	0.067
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.083	0.19		0.1	ND	U	0.067
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.086	0.18		0.11	ND	U	0.069
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.089	0.12		0.11	ND	U	0.072

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	U	0.11	0.2		0.074	ND	U	0.17
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.096	0.13		0.062	ND	U	0.14
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.099	0.17		0.064	ND	U	0.15
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.099	0.13		0.064	ND	U	0.15
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.097	0.16		0.063	ND	U	0.15
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.096	0.18		0.062	ND	U	0.15
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.098	0.18		0.063	ND	U	0.15
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.099	0.18		0.064	ND	U	0.15
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.097	0.18		0.062	ND	U	0.15
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.098	0.18		0.063	ND	U	0.15
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.098	0.16		0.063	ND	U	0.15
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.097	0.12		0.062	ND	U	0.15
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.097	0.22		0.063	ND	U	0.15
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.097	0.087		0.062	ND	U	0.15
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.1	0.17		0.067	ND	U	0.16
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.11	0.22		0.068	ND	U	0.16
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.085	0.15		0.055	ND	U	0.13
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.085	0.14		0.055	ND	U	0.13
ENGWESA001	12/8/2015 12:20	UG/M3	ND	U	0.1	0.26		0.068	ND	U	0.16
ENGWESA001	12/23/2015 9:15	UG/M3	ND	U	0.092	0.29		0.059	ND	U	0.14
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	U	0.092	0.27		0.059	ND	U	0.14
ENGWESA001	1/7/2016 13:56	UG/M3	ND	U	0.09	0.18		0.058	ND	U	0.14
ENGWESA001	1/20/2016 11:58	UG/M3	ND	U	0.1	0.26		0.068	ND	U	0.16
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.097	0.33		0.063	ND	U	0.15
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.098	0.24		0.063	ND	U	0.15
ENGWESA001	3/2/2016 8:28	UG/M3	ND	U	0.098	0.14		0.063	ND	U	0.15
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	U	0.098	0.15		0.063	ND	U	0.15
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.097	0.18		0.063	ND	U	0.15
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.09	0.18		0.058	ND	U	0.14
ENGWESA001	4/13/2016 15:17	UG/M3	ND	U	0.1	0.15		0.067	ND	U	0.16
ENGWESA001	4/27/2016 11:46	UG/M3	ND	U	0.098	0.18		0.063	ND	U	0.15
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	0.1	0.2		0.1	ND	U	0.2
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.2
ENGWESA001	6/7/2016 7:47	UG/M3	ND	U	0.1	0.14		0.1	ND	U	0.2
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.2
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	0.1	0.2		0.1	ND	U	0.2
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.2
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.1	0.098		0.1	ND	U	0.2
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.096	0.11		0.062	ND	U	0.15
ENGWESA001	8/17/2016 15:07	UG/M3	ND	U	0.095	0.071		0.062	ND	U	0.14
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.1	0.13		0.065	ND	U	0.15
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.093	0.12		0.06	ND	U	0.14
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.1	0.14		0.066	ND	U	0.16
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.1	0.16		0.066	ND	U	0.16
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.069	0.11		0.044	ND	U	0.1
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.16	0.26		0.1	ND	U	0.25
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.1	0.25		0.066	ND	U	0.15
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.11	0.3		0.068	ND	U	0.16
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.11	0.27		0.072	ND	U	0.17
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.11	0.3		0.073	ND	U	0.17

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.11	0.22		0.072	ND	U	0.17
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.11	0.23		0.069	ND	U	0.16
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.11	0.28		0.072	ND	U	0.17
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.11	0.32		0.07	ND	U	0.16
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.11	0.34		0.073	ND	U	0.17
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.11	0.31		0.073	ND	U	0.17
ENGWESA001	3/1/2017 8:56	UG/M3	ND	U	0.099	0.27		0.064	ND	U	0.15
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.11	0.17		0.071	ND	U	0.17
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.11	0.26		0.068	ND	U	0.16
ENGWESA001	4/12/2017 9:42	UG/M3	ND	U	0.1	0.25		0.066	ND	U	0.16
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.1	0.12		0.064	ND	U	0.15
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.1	0.099		0.064	ND	U	0.15
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.1	0.17		0.065	ND	U	0.15
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.1	0.25		0.065	ND	U	0.15
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.1	0.29		0.066	ND	U	0.16
ENGWESA001	6/7/2017 10:13	UG/M3	ND	U	0.098	0.3		0.064	ND	U	0.15
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.099	0.18		0.064	ND	U	0.15
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.097	0.2		0.062	ND	U	0.15
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.097	0.15		0.062	ND	U	0.15
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.097	0.21		0.062	ND	U	0.15
ENGWESA001	8/2/2017 6:25	UG/M3	ND	U	0.099	0.22		0.064	ND	U	0.15
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.098	0.17		0.063	ND	U	0.15
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.096	0.21		0.062	ND	U	0.15
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.1	0.2		0.065	ND	U	0.15
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.1	0.2		0.065	ND	U	0.15
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.1	0.21		0.065	ND	U	0.15
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.1	0.2		0.067	ND	U	0.16
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.11	0.26		0.07	ND	U	0.16
ENGWESA005	5/13/2015 11:35	UG/M3	ND	U	0.11	0.27		0.073	ND	U	0.17
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.096	0.14		0.062	ND	U	0.15
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.099	0.22		0.064	ND	U	0.15
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.1	0.19		0.068	ND	U	0.16
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.1	0.17		0.068	ND	U	0.16
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.09	0.2		0.058	ND	U	0.14
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.098	0.16		0.064	ND	U	0.15
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.098	0.18		0.063	ND	U	0.15
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.098	0.14		0.063	ND	U	0.15
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.097	0.18		0.063	ND	U	0.15
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.097	0.19		0.063	ND	U	0.15
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.096	0.2		0.062	ND	U	0.15
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.098	0.26		0.063	ND	U	0.15
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.096	0.12		0.062	ND	U	0.14
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.096	0.11		0.062	ND	U	0.14
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.1	0.26		0.068	ND	U	0.16
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.11	0.3		0.069	ND	U	0.16
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.085	0.23		0.055	ND	U	0.13
ENGWESA005	12/8/2015 11:22	UG/M3	ND	U	0.1	0.28		0.068	ND	U	0.16
ENGWESA005	12/23/2015 9:38	UG/M3	ND	U	0.091	0.29		0.059	ND	U	0.14
ENGWESA005	1/8/2016 13:00	UG/M3	ND	U	0.084	0.17		0.054	ND	U	0.13
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	U	0.084	0.13		0.054	ND	U	0.13

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	U	0.11	0.3		0.074	ND	U	0.17
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.097	0.37		0.063	ND	U	0.15
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.098	0.29		0.063	ND	U	0.15
ENGWESA005	3/2/2016 9:22	UG/M3	ND	U	0.097	0.25		0.063	ND	U	0.15
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.098	0.22		0.063	ND	U	0.15
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.098	0.26		0.063	ND	U	0.15
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.096	0.24		0.062	ND	U	0.14
ENGWESA005	4/13/2016 14:28	UG/M3	ND	U	0.097	0.21		0.062	ND	U	0.15
ENGWESA005	4/28/2016 12:51	UG/M3	ND	U	0.091	0.27		0.059	ND	U	0.14
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.2
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA005	6/7/2016 7:01	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.2
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	0.1	0.22		0.1	ND	U	0.2
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.1	0.1		0.1	ND	U	0.2
ENGWESA005	8/3/2016 14:50	UG/M3	ND	U	0.097	0.15		0.063	ND	U	0.15
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	U	0.097	0.14		0.063	ND	U	0.15
ENGWESA005	8/17/2016 15:43	UG/M3	ND	U	0.095	0.077		0.061	ND	U	0.14
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.1	0.16		0.064	ND	U	0.15
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.093	0.12		0.06	ND	U	0.14
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.1	0.16		0.066	ND	U	0.16
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.069	0.12		0.044	ND	U	0.1
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.069	0.13		0.044	ND	U	0.1
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.16	0.31		0.1	ND	U	0.24
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.1	0.34		0.066	ND	U	0.16
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.1	0.32		0.068	ND	U	0.16
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.11	0.34		0.071	ND	U	0.17
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.11	0.28		0.073	ND	U	0.17
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.11	0.26		0.072	ND	U	0.17
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.11	0.26		0.069	ND	U	0.16
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.11	0.39		0.07	ND	U	0.16
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.11	0.38		0.072	ND	U	0.17
ENGWESA005	3/1/2017 8:39	UG/M3	ND	U	0.1	0.35		0.064	ND	U	0.15
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	U	0.1	0.36		0.064	ND	U	0.15
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.11	0.24		0.071	ND	U	0.17
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.1	0.31		0.068	ND	U	0.16
ENGWESA005	4/12/2017 9:58	UG/M3	ND	U	0.1	0.27		0.066	ND	U	0.16
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.099	0.15		0.064	ND	U	0.15
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.1	0.18		0.065	ND	U	0.15
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.1	0.19		0.065	ND	U	0.15
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.1	0.3		0.066	ND	U	0.16
ENGWESA005	6/7/2017 11:08	UG/M3	ND	U	0.097	0.26		0.063	ND	U	0.15
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.099	0.17		0.064	ND	U	0.15
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.097	0.18		0.062	ND	U	0.15
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.097	0.17		0.062	ND	U	0.15
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.097	0.13		0.062	ND	U	0.15
ENGWESA005	8/2/2017 6:40	UG/M3	ND	U	0.099	0.26		0.064	ND	U	0.15
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.098	0.19		0.063	ND	U	0.15
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.096	0.16		0.062	ND	U	0.15
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.1	0.2		0.065	ND	U	0.15

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.1	0.2		0.065	ND	U	0.15
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.1	0.16		0.065	ND	U	0.15
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.1	0.24		0.067	ND	U	0.16
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.11	0.24		0.07	ND	U	0.16
ENGWESA007	5/13/2015 11:25	UG/M3	ND	U	0.11	0.27		0.073	ND	U	0.17
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.097	0.17		0.062	ND	U	0.15
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.098	0.22		0.063	ND	U	0.15
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.1	0.25		0.068	ND	U	0.16
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.09	0.21		0.058	ND	U	0.14
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.098	0.17		0.064	ND	U	0.15
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.098	0.21		0.064	ND	U	0.15
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.098	0.17		0.063	ND	U	0.15
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.097	0.16		0.063	ND	U	0.15
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.097	0.2		0.063	ND	U	0.15
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.096	0.13		0.062	ND	U	0.15
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.096	0.19		0.062	ND	U	0.15
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.098	0.21		0.063	ND	U	0.15
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.096	0.096		0.062	ND	U	0.15
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.1	0.24		0.068	ND	U	0.16
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.11	0.28		0.069	ND	U	0.16
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.084	0.27		0.054	ND	U	0.13
ENGWESA007	12/8/2015 11:07	UG/M3	ND	U	0.1	0.32		0.068	ND	U	0.16
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	U	0.1	0.32		0.068	ND	U	0.16
ENGWESA007	12/23/2015 9:43	UG/M3	ND	U	0.091	0.3		0.059	ND	U	0.14
ENGWESA007	1/8/2016 13:12	UG/M3	ND	U	0.084	0.17		0.054	ND	U	0.13
ENGWESA007	1/20/2016 11:06	UG/M3	ND	U	0.11	0.37		0.074	ND	U	0.17
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	U	0.11	0.35		0.074	ND	U	0.17
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.097	0.41		0.063	ND	U	0.15
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.098	0.34		0.063	ND	U	0.15
ENGWESA007	3/2/2016 14:44	UG/M3	ND	U	0.096	0.33		0.062	ND	U	0.14
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.099	0.25		0.064	ND	U	0.15
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.096	0.25		0.062	ND	U	0.14
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.096	0.27		0.062	ND	U	0.14
ENGWESA007	4/13/2016 14:22	UG/M3	ND	U	0.097	0.19		0.062	ND	U	0.15
ENGWESA007	4/28/2016 10:53	UG/M3	ND	U	0.092	0.27		0.059	ND	U	0.14
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	0.1	0.21		0.1	ND	U	0.2
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA007	6/7/2016 6:49	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.2
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	0.1	0.24		0.1	ND	U	0.2
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	0.1	0.23		0.1	ND	U	0.2
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.2
ENGWESA007	8/3/2016 15:00	UG/M3	ND	U	0.097	0.15		0.063	ND	U	0.15
ENGWESA007	8/17/2016 16:12	UG/M3	ND	U	0.095	0.11		0.061	ND	U	0.14
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	U	0.095	0.12		0.061	ND	U	0.14
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.1	0.18		0.065	ND	U	0.15
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.093	0.17		0.06	ND	U	0.14
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.1	0.19		0.066	ND	U	0.16
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.068	0.16		0.044	ND	U	0.1
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.16	0.38		0.1	ND	U	0.24
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.1	0.47		0.066	ND	U	0.16

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.1	0.45		0.068	ND	U	0.16
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.11	0.38		0.072	ND	U	0.17
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.11	0.32		0.073	ND	U	0.17
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.11	0.33		0.072	ND	U	0.17
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.11	0.35		0.072	ND	U	0.17
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.11	0.3		0.069	ND	U	0.16
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.11	0.48		0.07	ND	U	0.16
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.11	0.43		0.072	ND	U	0.17
ENGWESA007	3/1/2017 9:44	UG/M3	ND	U	0.099	0.49		0.064	ND	U	0.15
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.11	0.24		0.071	ND	U	0.17
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.11	0.24		0.071	ND	U	0.17
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.1	0.33		0.068	ND	U	0.16
ENGWESA007	4/12/2017 9:55	UG/M3	ND	U	0.1	0.31		0.066	ND	U	0.16
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.099	0.13		0.064	ND	U	0.15
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.1	0.25		0.065	ND	U	0.15
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.1	0.26		0.066	ND	U	0.16
ENGWESA007	6/7/2017 11:00	UG/M3	ND	U	0.098	0.21		0.063	ND	U	0.15
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.099	0.2		0.064	ND	U	0.15
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.097	0.17		0.062	ND	U	0.15
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.097	0.16		0.062	ND	U	0.15
ENGWESA007	8/2/2017 6:32	UG/M3	ND	U	0.099	0.28		0.064	ND	U	0.15
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	U	0.099	0.2		0.064	ND	U	0.15
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.098	0.22		0.063	ND	U	0.15
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.096	0.25		0.062	ND	U	0.15
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.1	0.3		0.065	ND	U	0.15
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.1	0.23		0.065	ND	U	0.15
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.1	0.3		0.067	ND	U	0.16
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.1	0.33		0.067	ND	U	0.16
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.11	0.31		0.07	ND	U	0.16
ENGWESA008	5/13/2015 12:05	UG/M3	ND	U	0.11	0.24		0.074	ND	U	0.17
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.096	0.15		0.062	ND	U	0.15
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.096	0.14		0.062	ND	U	0.15
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.099	0.24		0.064	ND	U	0.15
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.1	0.17		0.067	ND	U	0.16
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.09	0.23		0.058	ND	U	0.14
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.098	0.19		0.064	ND	U	0.15
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.098	0.16		0.063	ND	U	0.15
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.097	0.16		0.063	ND	U	0.15
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.097	0.18		0.063	ND	U	0.15
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.097	0.16		0.063	ND	U	0.15
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.096	0.16		0.062	ND	U	0.15
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.098	0.2		0.063	ND	U	0.15
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.095	0.096		0.062	ND	U	0.14
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.1	0.26		0.068	ND	U	0.16
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.1	0.23		0.068	ND	U	0.16
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.11	0.3		0.069	ND	U	0.16
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.085	0.22		0.055	ND	U	0.13
ENGWESA008	12/8/2015 11:45	UG/M3	ND	U	0.1	0.33		0.068	ND	U	0.16
ENGWESA008	12/23/2015 9:30	UG/M3	ND	U	0.091	0.3		0.059	ND	U	0.14
ENGWESA008	1/7/2016 11:12	UG/M3	ND	U	0.09	0.16		0.058	ND	U	0.14

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	U	0.1	0.33		0.068	ND	U	0.16
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.091	0.39		0.059	ND	U	0.14
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.091	0.37		0.059	ND	U	0.14
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.1	0.31		0.068	ND	U	0.16
ENGWESA008	3/2/2016 8:20	UG/M3	ND	U	0.091	0.25		0.059	ND	U	0.14
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.1	0.26		0.068	ND	U	0.16
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.09	0.24		0.058	ND	U	0.14
ENGWESA008	4/13/2016 14:43	UG/M3	ND	U	0.1	0.2		0.066	ND	U	0.16
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	U	0.1	0.2		0.066	ND	U	0.16
ENGWESA008	4/28/2016 13:23	UG/M3	ND	U	0.091	0.28		0.059	ND	U	0.14
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	0.1	0.22		0.1	ND	U	0.2
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA008	6/7/2016 7:11	UG/M3	ND	U	0.1	0.17		0.1	ND	U	0.2
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.2
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	0.1	0.19		0.1	ND	U	0.2
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	0.1	0.22		0.1	ND	U	0.2
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.2
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.1	0.14		0.067	ND	U	0.16
ENGWESA008	8/17/2016 16:37	UG/M3	ND	U	0.095	0.07		0.061	ND	U	0.14
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.1	0.16		0.065	ND	U	0.15
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.1	0.14		0.065	ND	U	0.15
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.093	0.12		0.06	ND	U	0.14
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.1	0.18		0.066	ND	U	0.16
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.068	0.14		0.044	ND	U	0.1
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.16	0.3		0.1	ND	U	0.24
ENGWESA008	11/9/2016 13:50	UG/M3	ND	U	0.1	0.31		0.066	ND	U	0.16
ENGWESA008 FD	11/9/2016 13:51	UG/M3	ND	U	0.1	0.32		0.066	ND	U	0.16
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.1	0.32		0.068	ND	U	0.16
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.11	0.32		0.071	ND	U	0.17
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.11	0.26		0.073	ND	U	0.17
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.11	0.3		0.072	ND	U	0.17
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.11	0.28		0.07	ND	U	0.16
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.11	0.29		0.07	ND	U	0.16
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.11	0.31		0.07	ND	U	0.16
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.11	0.31		0.072	ND	U	0.17
ENGWESA008	3/1/2017 9:56	UG/M3	ND	U	0.099	0.34		0.064	ND	U	0.15
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.11	0.18		0.07	ND	U	0.17
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.11	0.25		0.068	ND	U	0.16
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.11	0.25		0.068	ND	U	0.16
ENGWESA008	4/12/2017 10:00	UG/M3	ND	U	0.1	0.21		0.066	ND	U	0.16
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.099	0.12		0.064	ND	U	0.15
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.1	0.21		0.065	ND	U	0.15
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.1	0.25		0.066	ND	U	0.16
ENGWESA008	6/7/2017 11:16	UG/M3	ND	U	0.097	0.2		0.063	ND	U	0.15
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	U	0.097	0.2		0.063	ND	U	0.15
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.099	0.14		0.064	ND	U	0.15
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.097	0.16		0.062	ND	U	0.15
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.097	0.14		0.062	ND	U	0.15
ENGWESA008	8/2/2017 6:47	UG/M3	ND	U	0.099	0.24		0.064	ND	U	0.15
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.098	0.22		0.063	ND	U	0.15
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.098	0.19		0.063	ND	U	0.15

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.096	0.19		0.062	ND	U	0.15
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.1	0.26		0.065	ND	U	0.15
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.1	0.2		0.065	ND	U	0.15
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.1	0.24		0.067	ND	U	0.16
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.11	0.19		0.07	ND	U	0.16
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.11	0.2		0.07	ND	U	0.16
ENGWESA011	5/13/2015 11:45	UG/M3	ND	U	0.11	0.27		0.072	ND	U	0.17
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	U	0.11	0.28		0.072	ND	U	0.17
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.098	0.18		0.063	ND	U	0.15
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.097	0.24		0.063	ND	U	0.15
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.1	0.18		0.067	ND	U	0.16
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.09	0.22		0.058	ND	U	0.14
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.09	0.24		0.058	ND	U	0.14
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.099	0.18		0.064	ND	U	0.15
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.097	0.14		0.063	ND	U	0.15
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.097	0.15		0.063	ND	U	0.15
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.096	0.19		0.062	ND	U	0.15
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.098	0.2		0.063	ND	U	0.15
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.098	0.21		0.063	ND	U	0.15
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.096	ND	U	0.062	ND	U	0.15
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.1	0.22		0.067	ND	U	0.16
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.11	0.32		0.069	ND	U	0.16
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.11	0.35		0.069	ND	U	0.16
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.084	0.22		0.054	ND	U	0.13
ENGWESA012	12/8/2015 10:20	UG/M3	ND	U	0.1	0.4		0.068	ND	U	0.16
ENGWESA012	12/23/2015 10:06	UG/M3	ND	U	0.091	0.31		0.059	ND	U	0.14
ENGWESA012	1/7/2016 10:56	UG/M3	ND	U	0.09	0.16		0.058	ND	U	0.14
ENGWESA012	1/20/2016 11:40	UG/M3	ND	U	0.1	0.33		0.067	ND	U	0.16
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.098	0.59		0.063	ND	U	0.15
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.1	0.35		0.068	ND	U	0.16
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.1	0.32		0.068	ND	U	0.16
ENGWESA012	3/2/2016 10:52	UG/M3	ND	U	0.097	0.25		0.062	ND	U	0.15
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.098	0.28		0.063	ND	U	0.15
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.097	0.24		0.062	ND	U	0.15
ENGWESA012	4/13/2016 13:00	UG/M3	ND	U	0.096	0.21		0.062	ND	U	0.15
ENGWESA012	4/27/2016 10:33	UG/M3	ND	U	0.098	0.31		0.063	ND	U	0.15
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	U	0.098	0.32		0.063	ND	U	0.15
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	0.1	0.24		0.1	ND	U	0.2
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	0.1	0.15		0.1	ND	U	0.2
ENGWESA012	6/7/2016 6:40	UG/M3	ND	U	0.1	0.18		0.1	ND	U	0.2
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	0.1	0.22		0.1	ND	U	0.2
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	0.1	0.25		0.1	ND	U	0.2
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	0.1	0.26		0.1	ND	U	0.2
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.1	0.12		0.1	ND	U	0.2
ENGWESA012	8/3/2016 15:10	UG/M3	ND	U	0.096	0.16		0.062	ND	U	0.15
ENGWESA012	8/17/2016 17:04	UG/M3	ND	U	0.094	0.09		0.061	ND	U	0.14
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.1	0.16		0.065	ND	U	0.15
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.094	0.16		0.061	ND	U	0.14
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.094	0.15		0.061	ND	U	0.14
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.1	0.19		0.066	ND	U	0.16



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	1,4-Dichlorobenzene			2-Butanone (Methyl Ethyl Ketone)			4-Methyl-2-pentanone		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.068	0.13		0.044	ND	U	0.1
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.16	0.32		0.1	ND	U	0.24
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.1	0.38		0.066	ND	U	0.16
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.1	0.36		0.068	ND	U	0.16
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.1	0.41		0.068	ND	U	0.16
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.11	0.42		0.072	ND	U	0.17
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.11	0.31		0.073	ND	U	0.17
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.11	0.34		0.072	ND	U	0.17
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.11	0.32		0.069	ND	U	0.16
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.11	0.4		0.071	ND	U	0.17
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.11	0.41		0.071	ND	U	0.17
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.11	0.39		0.073	ND	U	0.17
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.099	0.38		0.064	ND	U	0.15
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.11	0.21		0.071	ND	U	0.17
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.1	0.34		0.068	ND	U	0.16
ENGWESA012	4/12/2017 9:30	UG/M3	ND	U	0.1	0.24		0.067	ND	U	0.16
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	U	0.1	0.24		0.067	ND	U	0.16
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.1	0.14		0.065	ND	U	0.15
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.16	0.32		0.1	ND	U	0.24
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.1	0.12		0.065	ND	U	0.15
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.1	0.26		0.066	ND	U	0.16
ENGWESA012	6/7/2017 11:27	UG/M3	ND	U	0.097	0.2		0.063	ND	U	0.15
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.099	0.11		0.064	ND	U	0.15
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.099	0.19		0.064	0.23		0.15
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.097	0.13		0.062	ND	U	0.15
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.096	0.13		0.062	ND	U	0.15
ENGWESA012	8/2/2017 7:11	UG/M3	ND	U	0.099	0.18		0.064	ND	U	0.15
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.098	0.15		0.063	ND	U	0.15
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.096	0.18		0.062	ND	U	0.15
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.096	0.16		0.062	ND	U	0.15
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.1	0.23		0.066	ND	U	0.15
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.1	0.16		0.065	ND	U	0.15
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.1	0.29		0.067	ND	U	0.16
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.11	0.24		0.07	ND	U	0.16

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	0.3		0.15	ND	U	0.29	0.32		0.087
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.13	ND	U	0.24	0.26		0.073
ENGWESA001	6/10/2015 11:01	UG/M3	0.17		0.13	ND	U	0.25	0.23		0.075
ENGWESA001 FD	6/10/2015 11:08	UG/M3	0.16		0.13	ND	U	0.25	0.24		0.075
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.13	ND	U	0.25	0.24		0.074
ENGWESA001	7/8/2015 15:33	UG/M3	0.15		0.13	0.28		0.24	0.26		0.073
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.13	0.36		0.25	0.33		0.074
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.13	0.28		0.25	0.35		0.075
ENGWESA001	8/19/2015 11:15	UG/M3	0.15		0.13	0.26		0.25	0.34		0.074
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.13	0.32		0.25	0.33		0.074
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.13	0.27		0.25	0.27		0.074
ENGWESA001	9/16/2015 11:18	UG/M3	0.19		0.13	0.25		0.25	0.33		0.074
ENGWESA001	9/30/2015 12:03	UG/M3	0.29		0.13	0.41		0.25	0.34		0.074
ENGWESA001	10/14/2015 13:56	UG/M3	0.2		0.13	0.26		0.25	0.29		0.074
ENGWESA001	10/27/2015 15:33	UG/M3	0.38		0.14	0.37		0.26	0.29		0.079
ENGWESA001	11/9/2015 11:28	UG/M3	0.48		0.14	0.4		0.27	0.31	J+	0.081
ENGWESA001	11/25/2015 11:55	UG/M3	0.23		0.11	0.46		0.22	0.34		0.065
ENGWESA001 FD	11/25/2015 11:55	UG/M3	0.2		0.11	0.41		0.22	0.33		0.065
ENGWESA001	12/8/2015 12:20	UG/M3	0.71		0.14	0.52		0.27	0.37		0.08
ENGWESA001	12/23/2015 9:15	UG/M3	0.26	J-	0.12	0.38		0.23	0.34		0.07
ENGWESA001 FD	12/23/2015 9:15	UG/M3	0.25	J-	0.12	0.36		0.23	0.31		0.07
ENGWESA001	1/7/2016 13:56	UG/M3	0.44	J-	0.12	0.48		0.23	0.35		0.068
ENGWESA001	1/20/2016 11:58	UG/M3	0.63		0.14	0.42		0.27	0.31		0.08
ENGWESA001	2/3/2016 11:50	UG/M3	0.57		0.13	0.49		0.25	0.36		0.074
ENGWESA001	2/17/2016 10:22	UG/M3	0.61		0.13	0.45		0.25	0.27		0.074
ENGWESA001	3/2/2016 8:28	UG/M3	0.25		0.13	0.34		0.25	0.41		0.074
ENGWESA001 FD	3/2/2016 8:28	UG/M3	0.24		0.13	0.4		0.25	0.42		0.074
ENGWESA001	3/16/2016 7:45	UG/M3	0.2		0.13	0.28		0.25	0.33		0.074
ENGWESA001	3/31/2016 10:38	UG/M3	0.28		0.12	0.35		0.23	0.35		0.068
ENGWESA001	4/13/2016 15:17	UG/M3	0.3		0.14	0.3		0.26	0.38		0.078
ENGWESA001	4/27/2016 11:46	UG/M3	0.24		0.13	0.37		0.25	0.34		0.075
ENGWESA001	5/11/2016 9:50	UG/M3	0.26		0.2	ND	U	0.4	0.25		0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	0.27		0.2	ND	U	0.4	0.28		0.1
ENGWESA001	5/26/2016 11:51	UG/M3	0.18		0.2	0.24		0.4	0.34		0.1
ENGWESA001	6/7/2016 7:47	UG/M3	0.25		0.2	ND	U	0.4	0.35		0.1
ENGWESA001	6/23/2016 8:12	UG/M3	0.18		0.2	ND	U	0.4	0.38		0.1
ENGWESA001	7/6/2016 9:41	UG/M3	0.16		0.2	ND	U	0.4	0.33		0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.2	ND	U	0.4	0.24		0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.2	ND	U	0.4	0.22		0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.13	ND	U	0.24	0.22		0.073
ENGWESA001	8/17/2016 15:07	UG/M3	ND	UJ-	0.13	ND	U	0.24	0.23		0.073
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.13	ND	U	0.26	0.26		0.076
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.12	ND	U	0.24	0.25		0.071
ENGWESA001	9/28/2016 9:45	UG/M3	0.21		0.14	0.28		0.26	0.27		0.078
ENGWESA001 FD	9/28/2016 9:45	UG/M3	0.24		0.14	0.34		0.26	0.32		0.078
ENGWESA001	10/17/2016 14:57	UG/M3	0.12	J-	0.091	0.24		0.18	0.25		0.052
ENGWESA001	10/26/2016 10:20	UG/M3	0.63		0.22	ND	U	0.42	0.33		0.12
ENGWESA001	11/9/2016 14:15	UG/M3	0.4		0.13	0.4		0.26	0.3		0.077
ENGWESA001	11/23/2016 10:45	UG/M3	0.51		0.14	0.52		0.27	0.42		0.081
ENGWESA001	12/7/2016 9:57	UG/M3	0.82		0.15	0.47		0.28	0.43		0.085
ENGWESA001	12/21/2016 8:19	UG/M3	1.3		0.15	0.58		0.29	0.45		0.086

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	0.5		0.15	0.48		0.28	0.34		0.085
ENGWESA001	1/18/2017 11:53	UG/M3	0.6		0.14	0.46		0.27	0.34		0.082
ENGWESA001 FD	12/7/2016 9:57	UG/M3	0.88		0.15	0.45		0.28	0.4		0.085
ENGWESA001	2/1/2017 9:17	UG/M3	0.83		0.14	0.47		0.28	0.4		0.083
ENGWESA001	2/14/2017 9:50	UG/M3	0.72		0.15	0.56		0.29	0.42		0.086
ENGWESA001 FD	2/14/2017 9:50	UG/M3	0.58		0.15	0.61		0.29	0.44		0.086
ENGWESA001	3/1/2017 8:56	UG/M3	0.4		0.13	0.4		0.25	0.32		0.076
ENGWESA001	3/15/2017 12:34	UG/M3	0.55		0.15	0.38		0.28	0.4		0.084
ENGWESA001	3/29/2017 9:33	UG/M3	0.5		0.14	0.36		0.27	0.38		0.081
ENGWESA001	4/12/2017 9:42	UG/M3	0.56		0.14	0.32		0.26	0.41		0.078
ENGWESA001	4/26/2017 9:45	UG/M3	0.31		0.13	0.25		0.25	0.41		0.076
ENGWESA001 FD	4/26/2017 9:45	UG/M3	0.27		0.13	ND	U	0.25	0.37		0.076
ENGWESA001	5/10/2017 6:21	UG/M3	0.23		0.13	ND	U	0.26	0.37		0.077
ENGWESA001	5/24/2017 9:38	UG/M3	0.47		0.13	ND	U	0.26	0.38		0.077
ENGWESA001 FD	5/24/2017 9:06	UG/M3	0.54		0.14	ND	U	0.26	0.34		0.078
ENGWESA001	6/7/2017 10:13	UG/M3	0.24	J-	0.13	ND	U	0.25	0.29		0.075
ENGWESA001	6/21/2017 6:12	UG/M3	0.14		0.13	ND	U	0.25	0.41		0.075
ENGWESA001	7/5/2017 7:37	UG/M3	0.15		0.13	ND	U	0.25	0.28		0.074
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.13	ND	U	0.25	0.24		0.074
ENGWESA001	7/19/2017 6:24	UG/M3	0.16		0.13	ND	U	0.25	0.27		0.074
ENGWESA001	8/2/2017 6:25	UG/M3	0.16	J-	0.13	0.26		0.25	0.27		0.075
ENGWESA001	8/16/2017 6:13	UG/M3	0.14		0.13	ND	U	0.25	0.28		0.074
ENGWESA001	8/30/2017 11:03	UG/M3	0.24		0.13	0.24		0.24	0.27		0.073
ENGWESA001	9/13/2017 9:13	UG/M3	0.31		0.13	0.35		0.26	0.38		0.077
ENGWESA001 FD	9/13/2017 9:13	UG/M3	0.25		0.13	0.32		0.26	0.46		0.077
ENGWESA001	9/27/2017 7:39	UG/M3	0.25		0.13	0.47		0.26	0.34	J+	0.077
ENGWESA001	10/11/2017 8:08	UG/M3	0.22	J-	0.14	0.3		0.27	0.25		0.079
ENGWESA001	10/25/2017 9:20	UG/M3	0.62		0.14	0.45		0.28	0.4		0.082
ENGWESA005	5/13/2015 11:35	UG/M3	0.39		0.15	ND	U	0.29	0.32		0.086
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.13	ND	U	0.24	0.25		0.073
ENGWESA005	6/10/2015 10:13	UG/M3	0.21		0.13	ND	U	0.25	0.3		0.075
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.14	ND	U	0.27	0.22		0.08
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.14	ND	U	0.27	0.19		0.08
ENGWESA005	7/8/2015 15:13	UG/M3	0.18		0.12	0.29		0.23	0.2		0.068
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.13	0.28		0.25	0.25		0.075
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.13	0.27		0.25	0.32		0.074
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.13	0.26		0.25	0.3		0.074
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.13	0.33		0.25	0.33		0.074
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.13	0.3		0.25	0.34		0.074
ENGWESA005	9/16/2015 13:07	UG/M3	0.3		0.13	0.42		0.24	0.39		0.073
ENGWESA005	9/30/2015 10:11	UG/M3	0.32		0.13	0.39		0.25	0.31		0.075
ENGWESA005	10/14/2015 15:25	UG/M3	0.2		0.13	0.26		0.24	0.29		0.073
ENGWESA005 FD	10/14/2015 15:25	UG/M3	0.19		0.13	0.24		0.24	0.26		0.073
ENGWESA005	10/27/2015 15:10	UG/M3	0.5		0.14	0.4		0.27	0.28		0.08
ENGWESA005	11/9/2015 10:22	UG/M3	0.68		0.14	0.43		0.27	0.3	J+	0.081
ENGWESA005	11/25/2015 11:45	UG/M3	0.34		0.11	0.47		0.22	0.35		0.064
ENGWESA005	12/8/2015 11:22	UG/M3	0.72		0.14	0.52		0.27	0.34		0.08
ENGWESA005	12/23/2015 9:38	UG/M3	0.28	J-	0.12	0.43		0.23	0.33		0.069
ENGWESA005	1/8/2016 13:00	UG/M3	0.37	J-	0.11	0.41		0.22	0.32		0.064
ENGWESA005 FD	1/8/2016 13:00	UG/M3	0.25	J-	0.11	0.3		0.22	0.31		0.064

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	0.77		0.15	0.46		0.29	0.31		0.087
ENGWESA005	2/3/2016 11:23	UG/M3	0.71		0.13	0.55		0.25	0.33		0.074
ENGWESA005	2/17/2016 10:02	UG/M3	0.65		0.13	0.48		0.25	0.3		0.074
ENGWESA005	3/2/2016 9:22	UG/M3	0.39		0.13	0.36		0.25	0.38		0.074
ENGWESA005	3/16/2016 7:15	UG/M3	0.27		0.13	0.32		0.25	0.34		0.074
ENGWESA005 FD	3/16/2016 7:15	UG/M3	0.32		0.13	0.35		0.25	0.37		0.074
ENGWESA005	3/30/2016 13:03	UG/M3	0.4		0.13	0.42		0.24	0.36		0.073
ENGWESA005	4/13/2016 14:28	UG/M3	0.38		0.13	0.31		0.25	0.38		0.074
ENGWESA005	4/28/2016 12:51	UG/M3	0.3		0.12	0.53		0.23	0.35		0.069
ENGWESA005	5/11/2016 10:24	UG/M3	0.22		0.2	ND	U	0.4	0.28		0.1
ENGWESA005	5/26/2016 13:50	UG/M3	0.2		0.2	0.32		0.4	0.37		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	0.2		0.2	0.3		0.4	0.34		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	0.27		0.2	ND	U	0.4	0.4		0.1
ENGWESA005	6/23/2016 13:56	UG/M3	0.25		0.2	0.26		0.4	0.35		0.1
ENGWESA005	7/6/2016 9:24	UG/M3	0.23		0.2	ND	U	0.4	0.36		0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.2	ND	U	0.4	0.28		0.1
ENGWESA005	8/3/2016 14:50	UG/M3	0.14		0.13	ND	U	0.25	0.25		0.074
ENGWESA005 FD	8/3/2016 14:50	UG/M3	0.13		0.13	ND	U	0.25	0.24		0.074
ENGWESA005	8/17/2016 15:43	UG/M3	ND	UJ-	0.12	ND	U	0.24	0.23		0.072
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.13	0.29		0.25	0.27		0.076
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.12	0.25		0.24	0.28		0.071
ENGWESA005	9/28/2016 10:06	UG/M3	0.27		0.14	0.38		0.26	0.32		0.078
ENGWESA005	10/17/2016 14:39	UG/M3	0.12	J-	0.091	0.28		0.18	0.26		0.052
ENGWESA005 FD	10/17/2016 14:39	UG/M3	0.14	J-	0.091	0.28		0.18	0.26		0.052
ENGWESA005	10/26/2016 12:03	UG/M3	0.68		0.21	ND	U	0.4	0.33		0.12
ENGWESA005	11/9/2016 13:28	UG/M3	0.49		0.14	0.47		0.26	0.31		0.078
ENGWESA005	11/23/2016 11:04	UG/M3	0.52		0.14	0.53		0.27	0.36		0.08
ENGWESA005	12/7/2016 10:15	UG/M3	1		0.14	0.55		0.28	0.43		0.084
ENGWESA005	12/21/2016 8:03	UG/M3	1.3		0.15	0.52		0.29	0.4		0.086
ENGWESA005	1/4/2017 13:57	UG/M3	0.6		0.15	0.47		0.28	0.34		0.085
ENGWESA005	1/18/2017 12:33	UG/M3	0.57		0.14	0.45		0.27	0.36		0.081
ENGWESA005	2/1/2017 9:43	UG/M3	1.1		0.14	0.49		0.28	0.41		0.083
ENGWESA005	2/14/2017 10:15	UG/M3	0.66		0.15	0.55		0.29	0.4		0.086
ENGWESA005	3/1/2017 8:39	UG/M3	0.45		0.13	0.49		0.25	0.36		0.076
ENGWESA005 FD	3/1/2017 8:39	UG/M3	0.43		0.13	0.46		0.25	0.36		0.076
ENGWESA005	3/15/2017 13:01	UG/M3	0.78		0.14	0.41		0.28	0.44		0.083
ENGWESA005	3/29/2017 10:49	UG/M3	0.54		0.14	0.4		0.27	0.41		0.08
ENGWESA005	4/12/2017 9:58	UG/M3	0.62		0.14	0.37		0.26	0.38		0.078
ENGWESA005	4/26/2017 10:13	UG/M3	0.36		0.13	0.32		0.25	0.41		0.075
ENGWESA005	5/10/2017 6:35	UG/M3	0.22		0.13	0.31		0.26	0.39		0.077
ENGWESA005 FD	5/10/2017 6:35	UG/M3	0.24		0.13	0.29		0.26	0.37		0.077
ENGWESA005	5/24/2017 9:12	UG/M3	0.54		0.14	ND	U	0.26	0.44		0.078
ENGWESA005	6/7/2017 11:08	UG/M3	0.27	J-	0.13	0.28		0.25	0.32		0.074
ENGWESA005	6/21/2017 6:25	UG/M3	0.14		0.13	ND	U	0.25	0.4		0.075
ENGWESA005	7/5/2017 7:48	UG/M3	0.17		0.13	ND	U	0.25	0.26		0.074
ENGWESA005	7/19/2017 6:40	UG/M3	0.14		0.13	ND	U	0.25	0.26		0.074
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.13	ND	U	0.25	0.22		0.074
ENGWESA005	8/2/2017 6:40	UG/M3	0.24	J-	0.13	ND	U	0.25	0.32		0.075
ENGWESA005	8/16/2017 6:23	UG/M3	0.17		0.13	0.25		0.25	0.3		0.074
ENGWESA005	8/30/2017 11:17	UG/M3	0.18		0.13	ND	U	0.24	0.23		0.073
ENGWESA005	9/13/2017 9:26	UG/M3	0.24		0.13	0.37		0.26	0.39		0.077

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	0.24		0.13	0.5		0.26	0.33	J+	0.077
ENGWESA005 FD	9/27/2017 7:25	UG/M3	0.17		0.13	0.36		0.26	0.31	J+	0.077
ENGWESA005	10/11/2017 7:53	UG/M3	0.22	J-	0.14	0.36		0.27	0.27		0.079
ENGWESA005	10/25/2017 9:40	UG/M3	0.5		0.14	0.39		0.28	0.35		0.082
ENGWESA007	5/13/2015 11:25	UG/M3	0.41		0.15	0.31		0.29	0.35		0.086
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.13	ND	U	0.25	0.28		0.074
ENGWESA007	6/10/2015 10:03	UG/M3	0.25		0.13	ND	U	0.25	0.27		0.074
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.14	ND	U	0.27	0.24		0.08
ENGWESA007	7/8/2015 14:57	UG/M3	0.16		0.12	0.32		0.23	0.22		0.068
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.13	0.26		0.25	0.26		0.075
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.13	0.3		0.25	0.31		0.075
ENGWESA007	8/5/2015 9:29	UG/M3	0.13		0.13	0.26		0.25	0.28		0.074
ENGWESA007	8/19/2015 19:45	UG/M3	0.15		0.13	0.27		0.25	0.3		0.074
ENGWESA007	9/2/2015 10:05	UG/M3	0.14		0.13	0.35		0.25	0.34		0.074
ENGWESA007	9/16/2015 13:22	UG/M3	0.22		0.13	0.28		0.24	0.28	J	0.073
ENGWESA007 FD	9/16/2015 13:22	UG/M3	0.31		0.13	0.39		0.24	0.47	J	0.073
ENGWESA007	9/30/2015 10:19	UG/M3	0.34		0.13	0.42		0.25	0.41		0.075
ENGWESA007	10/14/2015 15:00	UG/M3	0.16		0.13	0.3		0.24	0.3		0.073
ENGWESA007	10/27/2015 15:00	UG/M3	0.45		0.14	0.41		0.27	0.26		0.08
ENGWESA007	11/9/2015 10:00	UG/M3	0.69		0.14	0.42		0.27	0.34	J+	0.081
ENGWESA007	11/25/2015 12:26	UG/M3	0.46		0.11	0.53		0.22	0.36		0.064
ENGWESA007	12/8/2015 11:07	UG/M3	1.1		0.14	0.57		0.27	0.38		0.08
ENGWESA007 FD	12/8/2015 11:07	UG/M3	1.1		0.14	0.55		0.27	0.34		0.08
ENGWESA007	12/23/2015 9:43	UG/M3	0.34	J-	0.12	0.39		0.23	0.37		0.069
ENGWESA007	1/8/2016 13:12	UG/M3	0.42	J-	0.11	0.46		0.22	0.32		0.064
ENGWESA007	1/20/2016 11:06	UG/M3	1.2		0.15	0.5		0.29	0.33		0.087
ENGWESA007 FD	1/20/2016 11:06	UG/M3	1.2		0.15	0.46		0.29	0.31		0.087
ENGWESA007	2/3/2016 11:09	UG/M3	1.2		0.13	0.55		0.25	0.36		0.074
ENGWESA007	2/17/2016 9:51	UG/M3	0.86		0.13	0.64		0.25	0.27		0.074
ENGWESA007	3/2/2016 14:44	UG/M3	0.64		0.13	0.47		0.24	0.37		0.073
ENGWESA007	3/16/2016 7:30	UG/M3	0.28		0.13	0.39		0.25	0.32		0.076
ENGWESA007	3/30/2016 12:41	UG/M3	0.53		0.13	0.45		0.24	0.36		0.073
ENGWESA007 FD	3/30/2016 12:41	UG/M3	0.57		0.13	0.48		0.24	0.37		0.073
ENGWESA007	4/13/2016 14:22	UG/M3	0.55		0.13	0.32		0.25	0.41		0.074
ENGWESA007	4/28/2016 10:53	UG/M3	0.39		0.12	0.56		0.23	0.36		0.07
ENGWESA007	5/11/2016 10:44	UG/M3	0.27		0.2	ND	U	0.4	0.3		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	0.25		0.2	0.3		0.4	0.38		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	0.28		0.2	ND	U	0.4	0.36		0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	0.25		0.2	ND	U	0.4	0.42		0.1
ENGWESA007	6/23/2016 13:30	UG/M3	0.31		0.2	0.27		0.4	0.35		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	0.22		0.2	ND	U	0.4	0.36		0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.2	ND	U	0.4	0.3		0.1
ENGWESA007	8/3/2016 15:00	UG/M3	0.18		0.13	ND	U	0.25	0.26		0.074
ENGWESA007	8/17/2016 16:12	UG/M3	ND	UJ-	0.12	ND	U	0.24	0.26		0.072
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	UJ-	0.12	ND	U	0.24	0.28		0.072
ENGWESA007	8/31/2016 8:28	UG/M3	0.15		0.13	0.28		0.26	0.32		0.076
ENGWESA007	9/14/2016 15:58	UG/M3	0.16		0.12	0.24		0.24	0.27		0.071
ENGWESA007	9/28/2016 9:59	UG/M3	0.5		0.14	0.32		0.26	0.27		0.078
ENGWESA007	10/17/2016 16:07	UG/M3	0.17	J-	0.09	0.29		0.17	0.28		0.052
ENGWESA007	10/26/2016 11:50	UG/M3	0.8		0.21	ND	U	0.4	0.32		0.12
ENGWESA007	11/9/2016 13:20	UG/M3	0.88		0.14	0.5		0.26	0.34		0.078

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	0.66		0.14	0.62		0.27	0.4		0.08
ENGWESA007	12/7/2016 10:09	UG/M3	2.2		0.15	0.55		0.28	0.47		0.085
ENGWESA007	12/21/2016 8:33	UG/M3	2.2		0.15	0.56		0.29	0.42		0.086
ENGWESA007	1/4/2017 13:50	UG/M3	0.92		0.15	0.56		0.28	0.38		0.085
ENGWESA007 FD	1/4/2017 13:50	UG/M3	1		0.15	0.58		0.28	0.45		0.085
ENGWESA007	1/18/2017 12:24	UG/M3	0.71		0.14	0.5		0.27	0.37		0.081
ENGWESA007	2/1/2017 9:35	UG/M3	1.2		0.14	0.49		0.28	0.41		0.083
ENGWESA007	2/14/2017 10:11	UG/M3	0.94		0.15	0.5		0.29	0.37		0.086
ENGWESA007	3/1/2017 9:44	UG/M3	0.61		0.13	0.49		0.25	0.36		0.076
ENGWESA007	3/15/2017 12:54	UG/M3	0.75		0.14	0.43		0.28	0.4		0.084
ENGWESA007 FD	3/15/2017 12:54	UG/M3	0.76		0.14	0.42		0.28	0.42		0.084
ENGWESA007	3/29/2017 10:43	UG/M3	0.58		0.14	0.42		0.27	0.41		0.08
ENGWESA007	4/12/2017 9:55	UG/M3	1.6		0.14	0.36		0.26	0.37		0.078
ENGWESA007	4/26/2017 10:10	UG/M3	0.33		0.13	0.36		0.25	0.38		0.075
ENGWESA007	5/10/2017 6:51	UG/M3	0.31		0.13	0.27		0.26	0.42		0.076
ENGWESA007	5/24/2017 9:06	UG/M3	0.45		0.14	ND	U	0.26	0.36		0.078
ENGWESA007	6/7/2017 11:00	UG/M3	0.26	J-	0.13	0.26		0.25	0.28		0.074
ENGWESA007	6/21/2017 6:22	UG/M3	0.18		0.13	ND	U	0.25	0.34		0.075
ENGWESA007	7/5/2017 7:47	UG/M3	0.15		0.13	ND	U	0.25	0.28		0.074
ENGWESA007	7/19/2017 6:34	UG/M3	0.15		0.13	ND	U	0.25	0.27		0.074
ENGWESA007	8/2/2017 6:32	UG/M3	0.25	J-	0.13	0.28		0.25	0.36		0.075
ENGWESA007 FD	8/2/2017 6:32	UG/M3	0.21	J-	0.13	ND	U	0.25	0.29		0.075
ENGWESA007	8/16/2017 6:20	UG/M3	0.18		0.13	0.32		0.25	0.29		0.074
ENGWESA007	8/30/2017 11:13	UG/M3	0.24		0.13	0.33		0.24	0.3		0.073
ENGWESA007	9/13/2017 9:22	UG/M3	0.36		0.13	0.45		0.26	0.52		0.077
ENGWESA007	9/27/2017 7:21	UG/M3	0.26		0.13	0.46		0.26	0.32	J+	0.077
ENGWESA007	10/11/2017 7:48	UG/M3	0.23	J-	0.14	0.33		0.27	0.25		0.079
ENGWESA007 FD	10/11/2017 7:48	UG/M3	0.28	J-	0.14	0.37		0.27	0.28		0.079
ENGWESA007	10/25/2017 9:35	UG/M3	0.56		0.14	0.38		0.28	0.34		0.082
ENGWESA008	5/13/2015 12:05	UG/M3	0.41		0.15	0.33		0.29	0.38		0.087
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.13	ND	U	0.24	0.28		0.073
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.13	ND	U	0.24	0.27		0.073
ENGWESA008	6/10/2015 10:40	UG/M3	0.22		0.13	ND	U	0.25	0.28		0.075
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.14	ND	U	0.27	0.22		0.079
ENGWESA008	7/8/2015 15:23	UG/M3	0.19		0.12	0.37		0.23	0.25		0.068
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.13	0.27		0.25	0.29		0.075
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.13	0.32		0.25	0.32		0.074
ENGWESA008	8/19/2015 10:18	UG/M3	0.13		0.13	0.26		0.25	0.28		0.074
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.13	0.26		0.25	0.23		0.074
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.13	0.31		0.25	0.32		0.074
ENGWESA008	9/16/2015 12:51	UG/M3	0.24		0.13	0.29		0.25	0.35		0.074
ENGWESA008	9/30/2015 10:04	UG/M3	0.26		0.13	0.32		0.25	0.27		0.075
ENGWESA008	10/14/2015 16:24	UG/M3	0.14		0.13	0.28		0.24	0.31		0.073
ENGWESA008	10/27/2015 15:19	UG/M3	0.43		0.14	0.48		0.27	0.33		0.08
ENGWESA008 FD	10/27/2015 15:19	UG/M3	0.41		0.14	0.42		0.27	0.29		0.08
ENGWESA008	11/9/2015 10:39	UG/M3	0.65		0.14	0.43		0.27	0.29	J+	0.081
ENGWESA008	11/25/2015 12:07	UG/M3	0.35		0.11	0.48		0.22	0.33		0.064
ENGWESA008	12/8/2015 11:45	UG/M3	0.82		0.14	0.59		0.27	0.4		0.08
ENGWESA008	12/23/2015 9:30	UG/M3	0.23	J-	0.12	0.39		0.23	0.31		0.07
ENGWESA008	1/7/2016 11:12	UG/M3	0.38	J-	0.12	0.41		0.23	0.3		0.069

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	0.9		0.14	0.45		0.27	0.31		0.08
ENGWESA008	2/4/2016 10:34	UG/M3	0.92		0.12	0.76		0.23	0.35		0.069
ENGWESA008 FD	2/4/2016 10:34	UG/M3	0.8		0.12	0.51		0.23	0.37		0.069
ENGWESA008	2/17/2016 10:09	UG/M3	0.79		0.14	0.46		0.27	0.3		0.08
ENGWESA008	3/2/2016 8:20	UG/M3	0.42		0.12	0.46		0.23	0.37		0.069
ENGWESA008	3/16/2016 8:15	UG/M3	0.3		0.14	0.42		0.27	0.34		0.08
ENGWESA008	3/31/2016 9:54	UG/M3	0.38		0.12	0.49		0.23	0.36		0.069
ENGWESA008	4/13/2016 14:43	UG/M3	0.38		0.14	0.3		0.26	0.39		0.078
ENGWESA008 FD	4/13/2016 14:43	UG/M3	0.38		0.14	0.3		0.26	0.38		0.078
ENGWESA008	4/28/2016 13:23	UG/M3	0.34		0.12	0.6		0.23	0.39		0.069
ENGWESA008	5/11/2016 10:34	UG/M3	0.28		0.2	0.27		0.4	0.29		0.1
ENGWESA008	5/26/2016 13:22	UG/M3	0.19		0.2	0.28		0.4	0.37		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	0.28		0.2	ND	U	0.4	0.44		0.1
ENGWESA008	6/23/2016 11:27	UG/M3	0.17		0.2	0.25		0.4	0.32		0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	0.22		0.2	0.25		0.4	0.4		0.1
ENGWESA008	7/6/2016 10:17	UG/M3	0.18		0.2	ND	U	0.4	0.35		0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.2	ND	U	0.4	0.28		0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.14	ND	U	0.26	0.24		0.079
ENGWESA008	8/17/2016 16:37	UG/M3	ND	UJ-	0.12	ND	U	0.24	0.23		0.072
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.13	0.26		0.26	0.28		0.077
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.13	ND	U	0.26	0.26		0.077
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.12	0.24		0.24	0.27		0.071
ENGWESA008	9/28/2016 10:15	UG/M3	0.24		0.14	0.35		0.26	0.27		0.078
ENGWESA008	10/17/2016 16:17	UG/M3	0.13	J-	0.09	0.28		0.17	0.24		0.052
ENGWESA008	10/26/2016 12:14	UG/M3	0.59		0.21	ND	U	0.4	0.28		0.12
ENGWESA008	11/9/2016 13:50	UG/M3	0.46		0.14	0.44		0.26	0.27		0.078
ENGWESA008 FD	11/9/2016 13:51	UG/M3	0.42		0.14	0.5		0.26	0.26		0.078
ENGWESA008	11/23/2016 11:09	UG/M3	0.49		0.14	0.51		0.27	0.33		0.08
ENGWESA008	12/7/2016 10:23	UG/M3	0.94		0.14	0.49		0.28	0.4		0.084
ENGWESA008	12/21/2016 8:39	UG/M3	1.2		0.15	0.52		0.29	0.36		0.086
ENGWESA008	1/4/2017 14:05	UG/M3	0.76		0.15	0.51		0.28	0.38		0.085
ENGWESA008	1/18/2017 11:20	UG/M3	0.67		0.14	0.49		0.28	0.36		0.082
ENGWESA008 FD	1/18/2017 11:20	UG/M3	0.61		0.14	0.51		0.28	0.37		0.082
ENGWESA008	2/1/2017 9:51	UG/M3	0.77		0.14	0.47		0.28	0.36		0.083
ENGWESA008	2/14/2017 10:28	UG/M3	0.57		0.15	0.47		0.29	0.32		0.086
ENGWESA008	3/1/2017 9:56	UG/M3	0.42		0.13	0.52		0.25	0.37		0.076
ENGWESA008	3/15/2017 13:14	UG/M3	0.51		0.14	0.36		0.28	0.37		0.083
ENGWESA008	3/29/2017 10:00	UG/M3	0.46		0.14	0.33		0.27	0.31		0.081
ENGWESA008 FD	3/29/2017 10:00	UG/M3	0.4		0.14	0.32		0.27	0.33		0.081
ENGWESA008	4/12/2017 10:00	UG/M3	0.44		0.13	0.28		0.26	0.3		0.078
ENGWESA008	4/26/2017 10:15	UG/M3	0.27		0.13	0.26		0.25	0.36		0.075
ENGWESA008	5/10/2017 6:45	UG/M3	0.24		0.13	ND	U	0.26	0.4		0.077
ENGWESA008	5/24/2017 9:18	UG/M3	0.39		0.14	ND	U	0.26	0.31		0.078
ENGWESA008	6/7/2017 11:16	UG/M3	0.18	J-	0.13	ND	U	0.25	0.24		0.074
ENGWESA008 FD	6/7/2017 11:16	UG/M3	0.2	J-	0.13	ND	U	0.25	0.24		0.074
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.13	ND	U	0.25	0.3		0.075
ENGWESA008	7/5/2017 7:57	UG/M3	0.13		0.13	ND	U	0.25	0.24		0.074
ENGWESA008	7/19/2017 6:48	UG/M3	0.13		0.13	ND	U	0.25	0.23		0.074
ENGWESA008	8/2/2017 6:47	UG/M3	0.18	J-	0.13	0.25		0.25	0.31		0.075
ENGWESA008	8/16/2017 6:26	UG/M3	0.24		0.13	0.42		0.25	0.33		0.074
ENGWESA008 FD	8/16/2017 6:26	UG/M3	0.19		0.13	0.28		0.25	0.31		0.074

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	0.23		0.13	0.26		0.24	0.25		0.073
ENGWESA008	9/13/2017 9:30	UG/M3	0.36		0.13	0.51		0.26	0.43		0.077
ENGWESA008	9/27/2017 7:30	UG/M3	0.24		0.13	0.49		0.26	0.37	J+	0.077
ENGWESA008	10/11/2017 8:00	UG/M3	0.22	J-	0.14	0.36		0.27	0.26		0.079
ENGWESA008	10/25/2017 9:45	UG/M3	0.42		0.14	0.35		0.28	0.31		0.082
ENGWESA008 FD	10/25/2017 9:45	UG/M3	0.43		0.14	0.37		0.28	0.33		0.082
ENGWESA011	5/13/2015 11:45	UG/M3	0.36		0.15	0.3		0.28	0.34		0.085
ENGWESA011 FD	5/13/2015 11:45	UG/M3	0.38		0.15	0.31		0.28	0.35		0.085
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.13	ND	U	0.25	0.26		0.074
ENGWESA011	6/10/2015 11:23	UG/M3	0.23		0.13	ND	U	0.25	0.27		0.074
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.14	ND	U	0.27	0.19		0.08
ENGWESA011	7/8/2015 14:44	UG/M3	0.16		0.12	0.29		0.23	0.21		0.068
ENGWESA011 FD	7/8/2015 14:44	UG/M3	0.16		0.12	0.29		0.23	0.19		0.068
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.13	ND	U	0.25	0.25		0.076
ENGWESA011	8/19/2015 10:36	UG/M3	0.15		0.13	0.43		0.25	0.27		0.074
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.13	0.28		0.25	0.26		0.074
ENGWESA011	9/16/2015 13:37	UG/M3	0.28		0.13	0.32		0.24	0.32		0.073
ENGWESA011	9/30/2015 10:28	UG/M3	0.28		0.13	0.39		0.25	0.32		0.075
ENGWESA011 FD	9/30/2015 10:28	UG/M3	0.28		0.13	0.45		0.25	0.38		0.075
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.13	0.28		0.24	0.28		0.073
ENGWESA011	10/27/2015 15:47	UG/M3	0.36		0.14	0.48		0.27	0.29		0.079
ENGWESA012	11/9/2015 8:43	UG/M3	0.59		0.14	0.46		0.27	0.34	J+	0.082
ENGWESA012 FD	11/9/2015 8:43	UG/M3	0.59		0.14	0.45		0.27	0.31	J+	0.082
ENGWESA012	11/25/2015 12:16	UG/M3	0.3		0.11	0.52		0.22	0.33		0.064
ENGWESA012	12/8/2015 10:20	UG/M3	0.93		0.14	0.64		0.27	0.38		0.08
ENGWESA012	12/23/2015 10:06	UG/M3	0.21	J-	0.12	0.42		0.23	0.42		0.069
ENGWESA012	1/7/2016 10:56	UG/M3	0.36	J-	0.12	0.4		0.23	0.29		0.069
ENGWESA012	1/20/2016 11:40	UG/M3	0.78		0.14	0.48		0.27	0.31		0.08
ENGWESA012	2/3/2016 9:45	UG/M3	1		0.13	0.58		0.25	0.4		0.074
ENGWESA012	2/17/2016 9:02	UG/M3	0.65		0.14	0.54		0.27	0.29		0.08
ENGWESA012 FD	2/17/2016 9:02	UG/M3	0.79		0.14	0.58		0.27	0.28		0.08
ENGWESA012	3/2/2016 10:52	UG/M3	0.34		0.13	0.44		0.25	0.42		0.074
ENGWESA012	3/16/2016 8:00	UG/M3	0.31		0.13	0.47		0.25	0.34		0.075
ENGWESA012	3/30/2016 9:59	UG/M3	0.37		0.13	0.4		0.25	0.47		0.074
ENGWESA012	4/13/2016 13:00	UG/M3	0.36		0.13	0.3		0.24	0.43		0.073
ENGWESA012	4/27/2016 10:33	UG/M3	0.25		0.13	0.79		0.25	0.39		0.075
ENGWESA012 FD	4/27/2016 10:33	UG/M3	0.26		0.13	0.84		0.25	0.38		0.075
ENGWESA012	5/11/2016 10:10	UG/M3	0.29		0.2	0.32		0.4	0.33		0.1
ENGWESA012	5/26/2016 14:38	UG/M3	0.19		0.2	0.34		0.4	0.39		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	0.27		0.2	ND	U	0.4	0.44		0.1
ENGWESA012	6/23/2016 12:53	UG/M3	0.24		0.2	0.31		0.4	0.38		0.1
ENGWESA012	7/6/2016 8:44	UG/M3	0.19		0.2	0.29		0.4	0.36		0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	0.22		0.2	ND	U	0.4	0.37		0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.2	0.28		0.4	0.26		0.1
ENGWESA012	8/3/2016 15:10	UG/M3	0.13		0.13	ND	U	0.24	0.28		0.073
ENGWESA012	8/17/2016 17:04	UG/M3	ND	UJ-	0.12	0.24		0.24	0.25		0.072
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.13	0.32		0.26	0.26		0.077
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.12	0.27		0.24	0.32		0.072
ENGWESA012 FD	9/14/2016 14:25	UG/M3	0.16		0.12	0.29		0.24	0.34		0.072
ENGWESA012	9/28/2016 9:33	UG/M3	0.24		0.14	0.42		0.26	0.29		0.078



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Acetone			Benzene			Carbon Tetrachloride		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	0.12	J-	0.09	0.34		0.17	0.29		0.052
ENGWESA012	10/26/2016 11:37	UG/M3	0.63		0.21	0.41		0.41	0.34		0.12
ENGWESA012	11/9/2016 13:35	UG/M3	0.47		0.14	0.51		0.26	0.31		0.078
ENGWESA012	11/23/2016 10:28	UG/M3	0.53		0.14	0.64		0.27	0.39		0.08
ENGWESA012 FD	11/23/2016 10:28	UG/M3	0.62		0.14	0.74		0.27	0.47		0.08
ENGWESA012	12/7/2016 9:41	UG/M3	1.1		0.15	0.61		0.28	0.42		0.085
ENGWESA012	12/21/2016 7:52	UG/M3	1.4		0.15	0.57		0.29	0.43		0.086
ENGWESA012	1/4/2017 13:06	UG/M3	0.87		0.15	0.59		0.28	0.4		0.085
ENGWESA012	1/18/2017 11:36	UG/M3	0.64		0.14	0.56		0.27	0.38		0.082
ENGWESA012	2/1/2017 9:00	UG/M3	1		0.14	0.48		0.28	0.39		0.083
ENGWESA012 FD	2/1/2017 9:00	UG/M3	0.98		0.14	0.55		0.28	0.42		0.083
ENGWESA012	2/14/2017 9:33	UG/M3	0.65		0.15	0.61		0.29	0.43		0.086
ENGWESA012	3/1/2017 9:33	UG/M3	0.46		0.13	0.54		0.25	0.36		0.075
ENGWESA012	3/15/2017 12:47	UG/M3	0.61		0.15	0.39		0.28	0.39		0.084
ENGWESA012	3/29/2017 10:28	UG/M3	0.58		0.14	0.47		0.27	0.44		0.08
ENGWESA012	4/12/2017 9:30	UG/M3	0.56		0.14	0.33		0.26	0.38		0.079
ENGWESA012 FD	4/12/2017 9:30	UG/M3	0.54		0.14	0.32		0.26	0.36		0.079
ENGWESA012	4/26/2017 10:01	UG/M3	0.3		0.13	0.32		0.26	0.44		0.076
ENGWESA012	10/26/2016 11:37	UG/M3	0.63		0.21	0.41		0.41	0.34		0.12
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.13	ND	U	0.26	0.25		0.076
ENGWESA012	5/24/2017 9:00	UG/M3	0.43		0.14	0.26		0.26	0.4		0.078
ENGWESA012	6/7/2017 11:27	UG/M3	0.28	J-	0.13	ND	U	0.25	0.28		0.074
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.13	ND	U	0.25	0.36		0.076
ENGWESA012 FD	6/21/2017 6:00	UG/M3	0.15		0.13	ND	U	0.25	0.31		0.076
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.13	ND	U	0.25	0.26		0.074
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.13	ND	U	0.25	0.24		0.074
ENGWESA012	8/2/2017 7:11	UG/M3	0.16	J-	0.13	ND	U	0.25	0.29		0.075
ENGWESA012	8/16/2017 6:00	UG/M3	0.15		0.13	ND	U	0.25	0.27		0.075
ENGWESA012	8/30/2017 11:29	UG/M3	0.28		0.13	0.28		0.24	0.31		0.073
ENGWESA012 FD	8/30/2017 11:29	UG/M3	0.24		0.13	ND	U	0.24	0.27		0.073
ENGWESA012	9/13/2017 9:00	UG/M3	0.33		0.13	0.59		0.26	0.48		0.077
ENGWESA012	9/27/2017 7:15	UG/M3	0.22		0.13	0.44		0.26	0.34	J+	0.077
ENGWESA012	10/11/2017 7:40	UG/M3	0.33	J-	0.14	0.37		0.27	0.3		0.079
ENGWESA012	10/25/2017 9:00	UG/M3	0.59		0.14	0.4		0.28	0.37		0.082

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	U	0.086	ND	U	0.078	ND	U	0.11
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.09
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.093
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.093
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.074	0.073		0.067	0.1		0.093
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.073	ND	U	0.066	0.14		0.092
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.073	ND	U	0.066	0.12		0.092
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.091
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.073	0.11		0.066	0.13		0.092
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.072	0.069		0.066	0.096		0.091
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.078	ND	U	0.071	0.12		0.098
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.08	0.082		0.072	0.14		0.1
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.064	0.064		0.058	0.19		0.08
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.064	ND	U	0.058	0.14		0.08
ENGWESA001	12/8/2015 12:20	UG/M3	ND	U	0.078	0.076		0.071	0.15		0.099
ENGWESA001	12/23/2015 9:15	UG/M3	ND	U	0.069	0.065		0.062	0.15		0.086
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	U	0.069	ND	U	0.062	0.14		0.086
ENGWESA001	1/7/2016 13:56	UG/M3	ND	U	0.067	0.062		0.061	0.12		0.085
ENGWESA001	1/20/2016 11:58	UG/M3	ND	U	0.079	ND	U	0.072	0.14		0.1
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.073	0.069		0.066	0.11		0.092
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.073	ND	U	0.066	0.12		0.092
ENGWESA001	3/2/2016 8:28	UG/M3	ND	U	0.073	ND	U	0.066	0.099		0.092
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	U	0.073	ND	U	0.066	0.11		0.092
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.068	ND	U	0.061	0.09		0.085
ENGWESA001	4/13/2016 15:17	UG/M3	ND	U	0.077	0.07		0.07	ND	U	0.097
ENGWESA001	4/27/2016 11:46	UG/M3	ND	U	0.074	ND	U	0.067	0.1		0.093
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/7/2016 7:47	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA001	8/17/2016 15:07	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.09
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.095
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.07	ND	U	0.064	ND	U	0.088
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.077	ND	U	0.07	0.1		0.097
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.077	0.071		0.07	0.11		0.097
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.052	0.048		0.047	0.069		0.065
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.076	ND	U	0.069	0.13		0.096
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.08	0.073		0.072	0.16		0.1
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.083	0.099		0.076	0.14		0.1
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.085	0.091		0.077	0.13		0.11

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.084	ND	U	0.076	0.14		0.1
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.08	ND	U	0.073	0.14		0.1
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.083	0.1		0.076	0.14		0.1
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.082	0.082		0.074	0.15		0.1
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.085	0.084		0.077	0.14		0.11
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.085	ND	U	0.077	ND	U	0.11
ENGWESA001	3/1/2017 8:56	UG/M3	ND	U	0.074	ND	U	0.068	ND	U	0.094
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.083	ND	U	0.075	ND	U	0.1
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.08	0.078		0.072	ND	U	0.1
ENGWESA001	4/12/2017 9:42	UG/M3	ND	U	0.077	ND	U	0.07	ND	U	0.097
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.075	0.075		0.068	ND	U	0.094
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.094
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.076	ND	U	0.068	ND	U	0.095
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.096
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.077	ND	U	0.07	0.11		0.096
ENGWESA001	6/7/2017 10:13	UG/M3	ND	U	0.074	0.1		0.067	ND	U	0.093
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.093
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.073	0.066		0.066	ND	U	0.091
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.091
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.072	0.068		0.066	ND	U	0.091
ENGWESA001	8/2/2017 6:25	UG/M3	ND	U	0.074	0.073		0.067	ND	U	0.093
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.073	0.091		0.066	ND	U	0.092
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.072	0.083		0.066	ND	U	0.091
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.076	0.11		0.069	0.1		0.096
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.076	0.1	J+	0.069	0.11		0.096
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.076	0.088		0.069	0.13		0.096
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.078	ND	U	0.071	ND	UJ-	0.098
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.081	0.074		0.074	ND	U	0.1
ENGWESA005	5/13/2015 11:35	UG/M3	ND	U	0.085	ND	U	0.077	ND	U	0.11
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.093
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.078	ND	U	0.071	ND	U	0.099
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.078	ND	U	0.071	ND	U	0.099
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.067	ND	U	0.061	0.1		0.085
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.074	ND	U	0.067	0.1		0.093
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.073	0.077		0.066	0.13		0.092
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.073	ND	U	0.066	0.12		0.092
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.073	0.076		0.066	0.11		0.092
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.072	0.069		0.066	0.097		0.091
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.074	0.1		0.067	0.14		0.093
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.072	0.07		0.065	0.098		0.09
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.072	ND	U	0.065	0.093		0.09
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.079	0.083		0.071	0.14		0.099
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.08	0.078		0.072	0.12		0.1
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.064	0.069		0.058	0.15		0.08
ENGWESA005	12/8/2015 11:22	UG/M3	ND	U	0.079	0.074		0.071	0.14		0.099
ENGWESA005	12/23/2015 9:38	UG/M3	ND	U	0.068	ND	U	0.062	0.14		0.086
ENGWESA005	1/8/2016 13:00	UG/M3	ND	U	0.063	ND	U	0.057	0.094		0.08
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	U	0.063	ND	U	0.057	ND	U	0.08

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	U	0.086	ND	U	0.078	0.12		0.11
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.073	0.067		0.066	0.15		0.092
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.073	ND	U	0.066	0.11		0.092
ENGWESA005	3/2/2016 9:22	UG/M3	ND	U	0.073	ND	U	0.066	0.094		0.092
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.073	ND	U	0.066	0.096		0.092
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.073	ND	U	0.066	0.1		0.092
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.072	ND	U	0.065	0.098		0.09
ENGWESA005	4/13/2016 14:28	UG/M3	ND	U	0.073	0.069		0.066	ND	U	0.091
ENGWESA005	4/28/2016 12:51	UG/M3	ND	U	0.068	ND	U	0.062	0.12		0.086
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	0.1	0.077		0.1	0.13		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	0.1	0.076		0.1	0.12		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	ND	U	0.1	0.086		0.1	ND	U	0.1
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	0.1	0.061		0.1	ND	U	0.1
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	8/3/2016 14:50	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA005	8/17/2016 15:43	UG/M3	ND	U	0.071	ND	U	0.065	ND	U	0.09
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.094
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.07	ND	U	0.063	ND	U	0.088
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.077	0.081		0.07	0.11		0.097
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.052	0.049		0.047	ND	U	0.065
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.052	0.048		0.047	ND	U	0.065
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.077	ND	U	0.07	0.12		0.097
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.079	0.072		0.072	0.16		0.1
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.082	0.1		0.075	0.15		0.1
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.085	0.089		0.077	0.13		0.11
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.084	ND	U	0.076	0.14		0.1
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.08	0.073		0.072	0.13		0.1
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.082	0.1		0.074	0.2		0.1
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.084	ND	U	0.076	0.14		0.11
ENGWESA005	3/1/2017 8:39	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.094
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	U	0.075	0.071		0.068	0.11		0.094
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.082	0.082		0.074	ND	U	0.1
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.079	0.078		0.072	ND	U	0.1
ENGWESA005	4/12/2017 9:58	UG/M3	ND	U	0.077	0.073		0.07	ND	U	0.097
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.074	0.087		0.067	0.1		0.094
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.076	0.068		0.068	0.12		0.095
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.076	0.069		0.068	0.12		0.095
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.096
ENGWESA005	6/7/2017 11:08	UG/M3	ND	U	0.073	0.082		0.066	0.12		0.092
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.094
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.073	0.087		0.066	0.092		0.091
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.072	0.081		0.066	0.099		0.091
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA005	8/2/2017 6:40	UG/M3	ND	U	0.074	0.1		0.067	0.11		0.093
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.073	0.12		0.066	ND	U	0.092
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.072	0.09		0.066	ND	U	0.091
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.076	0.094	J+	0.069	0.13	J+	0.096

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.076	ND	U	0.069	0.14		0.096
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.076	ND	U	0.069	0.1		0.096
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.078	ND	U	0.071	ND	UJ-	0.099
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.081	0.083		0.073	ND	U	0.1
ENGWESA007	5/13/2015 11:25	UG/M3	ND	U	0.085	ND	U	0.077	ND	U	0.11
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.073	ND	U	0.067	0.11		0.092
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.078	ND	U	0.071	0.12		0.099
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.067	ND	U	0.061	0.094		0.084
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.074	ND	U	0.067	0.13		0.093
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.074	ND	U	0.067	0.12		0.093
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.073	0.072		0.066	0.15		0.092
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.073	ND	U	0.066	0.11		0.092
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.073	ND	U	0.066	0.14		0.092
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.072	ND	U	0.066	0.1		0.091
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.072	0.072		0.066	0.13		0.091
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.074	0.11		0.067	0.15		0.093
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.072	ND	U	0.065	0.11		0.091
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.078	0.077		0.071	0.14		0.099
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.08	ND	U	0.072	0.14		0.1
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.063	0.065		0.058	0.2		0.08
ENGWESA007	12/8/2015 11:07	UG/M3	ND	U	0.079	ND	U	0.072	0.16		0.099
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	U	0.079	0.078		0.072	0.16		0.099
ENGWESA007	12/23/2015 9:43	UG/M3	ND	U	0.068	0.069		0.062	0.13		0.086
ENGWESA007	1/8/2016 13:12	UG/M3	ND	U	0.063	0.076		0.057	0.085		0.08
ENGWESA007	1/20/2016 11:06	UG/M3	ND	U	0.086	ND	U	0.078	0.14		0.11
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	U	0.086	ND	U	0.078	0.14		0.11
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.073	0.07		0.066	0.12		0.092
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.073	ND	U	0.066	0.13		0.092
ENGWESA007	3/2/2016 14:44	UG/M3	ND	U	0.072	ND	U	0.065	0.12		0.09
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.074	ND	U	0.068	0.11		0.094
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.072	ND	U	0.065	0.11		0.09
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.072	ND	U	0.065	0.11		0.09
ENGWESA007	4/13/2016 14:22	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA007	4/28/2016 10:53	UG/M3	ND	U	0.069	ND	U	0.062	0.14		0.086
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	0.1	0.063		0.1	0.16		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	ND	U	0.1	ND	U	0.1	0.12		0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	U	0.1	0.088		0.1	ND	U	0.1
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	0.1	0.065		0.1	0.14		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA007	8/3/2016 15:00	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA007	8/17/2016 16:12	UG/M3	ND	U	0.071	ND	U	0.065	0.092		0.09
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	U	0.071	ND	U	0.065	0.096		0.09
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.075	ND	U	0.068	0.13		0.094
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.07	ND	U	0.063	0.094		0.088
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.077	0.073		0.07	0.16		0.097
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.051	0.058		0.046	0.074		0.064
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.077	ND	U	0.07	0.15		0.097

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.079	0.077		0.072	0.22		0.1
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.083	0.09		0.076	0.15		0.1
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.084	0.093		0.077	0.13		0.11
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.084	0.076		0.076	0.17		0.1
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.084	0.085		0.076	0.16		0.1
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.08	0.079		0.072	0.15		0.1
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.082	0.099		0.074	0.23		0.1
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.084	0.081		0.076	0.18		0.11
ENGWESA007	3/1/2017 9:44	UG/M3	ND	U	0.074	ND	U	0.068	0.15		0.094
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.082	ND	U	0.075	ND	U	0.1
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.082	ND	U	0.075	ND	U	0.1
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.079	0.081		0.072	ND	U	0.1
ENGWESA007	4/12/2017 9:55	UG/M3	ND	U	0.077	ND	U	0.07	0.11		0.097
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.074	0.083		0.067	0.16		0.094
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.075	ND	U	0.068	0.13		0.095
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.077	ND	U	0.07	0.11		0.096
ENGWESA007	6/7/2017 11:00	UG/M3	ND	U	0.073	0.096		0.066	0.14		0.092
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.074	ND	U	0.067	0.15		0.094
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.073	ND	U	0.066	0.095		0.091
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.072	ND	U	0.066	0.12		0.091
ENGWESA007	8/2/2017 6:32	UG/M3	ND	U	0.074	0.091		0.067	0.12		0.093
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	U	0.074	0.088		0.067	0.14		0.093
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.073	0.11		0.066	0.12		0.092
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.072	0.11		0.066	0.14		0.091
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.076	0.097	J+	0.069	0.2	J+	0.096
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.076	ND	U	0.069	0.18		0.096
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.078	0.073		0.071	ND	UJ-	0.099
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.078	0.087		0.071	0.11	J-	0.099
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.081	0.074		0.073	0.15		0.1
ENGWESA008	5/13/2015 12:05	UG/M3	ND	U	0.086	ND	U	0.078	ND	U	0.11
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.074	0.085		0.067	ND	U	0.093
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.078	ND	U	0.071	ND	U	0.099
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.067	ND	U	0.061	ND	U	0.085
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.074	ND	U	0.067	0.1		0.093
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.073	0.078		0.066	ND	U	0.092
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.074	0.086		0.067	0.11		0.093
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.072	0.073		0.065	ND	U	0.09
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.079	0.079		0.071	0.15		0.099
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.079	0.082		0.071	0.12		0.099
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.08	0.076		0.072	0.12		0.1
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.064	0.062		0.058	0.16		0.08
ENGWESA008	12/8/2015 11:45	UG/M3	ND	U	0.079	ND	U	0.071	0.14		0.099
ENGWESA008	12/23/2015 9:30	UG/M3	ND	U	0.068	ND	U	0.062	0.13		0.086
ENGWESA008	1/7/2016 11:12	UG/M3	ND	U	0.068	ND	U	0.061	ND	U	0.085

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	U	0.078	ND	U	0.071	0.11		0.099
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.068	ND	U	0.062	0.14		0.086
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.068	0.07		0.062	0.1		0.086
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.079	ND	U	0.071	ND	U	0.099
ENGWESA008	3/2/2016 8:20	UG/M3	ND	U	0.068	0.07		0.062	0.098		0.086
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.078	ND	U	0.071	0.11		0.099
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.068	ND	U	0.061	ND	U	0.085
ENGWESA008	4/13/2016 14:43	UG/M3	ND	U	0.077	0.071		0.07	ND	U	0.097
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	U	0.077	0.071		0.07	ND	U	0.097
ENGWESA008	4/28/2016 13:23	UG/M3	ND	U	0.068	ND	U	0.062	0.13		0.086
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.1
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	0.1	0.06		0.1	ND	U	0.1
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.078	ND	U	0.07	ND	U	0.098
ENGWESA008	8/17/2016 16:37	UG/M3	ND	U	0.071	ND	U	0.064	ND	U	0.089
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.095
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.095
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.07	ND	U	0.063	ND	U	0.088
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.077	ND	U	0.07	ND	U	0.097
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.051	0.051		0.046	ND	U	0.064
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA008	11/9/2016 13:50	UG/M3	ND	U	0.077	ND	U	0.07	0.12		0.097
ENGWESA008 FD	11/9/2016 13:51	UG/M3	ND	U	0.077	ND	U	0.07	0.12		0.097
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.079	ND	U	0.072	0.12		0.1
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.082	0.09		0.075	0.12		0.1
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.084	0.085		0.077	0.12		0.11
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.084	0.082		0.076	0.15		0.1
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.081	0.075		0.074	0.14		0.1
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.081	0.074		0.074	0.15		0.1
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.082	0.074		0.074	0.15		0.1
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.084	ND	U	0.076	ND	U	0.11
ENGWESA008	3/1/2017 9:56	UG/M3	ND	U	0.074	ND	U	0.068	ND	U	0.094
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.082	ND	U	0.074	ND	U	0.1
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.08	ND	U	0.072	ND	U	0.1
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.08	ND	U	0.072	ND	U	0.1
ENGWESA008	4/12/2017 10:00	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.096
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.074	0.075		0.067	ND	U	0.094
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.076	ND	U	0.068	ND	U	0.095
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.077	ND	U	0.069	ND	U	0.096
ENGWESA008	6/7/2017 11:16	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.074	ND	U	0.067	ND	U	0.094
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.073	0.074		0.066	ND	U	0.091
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.072	0.071		0.066	ND	U	0.091
ENGWESA008	8/2/2017 6:47	UG/M3	ND	U	0.074	0.078		0.067	ND	U	0.093
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.073	0.14		0.066	0.1		0.092
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.073	0.12		0.066	ND	U	0.092

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.072	0.091		0.066	ND	U	0.091
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.076	0.12	J+	0.069	0.14	J+	0.096
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.076	ND	U	0.069	0.11		0.096
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.078	0.089		0.071	ND	UJ-	0.098
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.081	ND	U	0.073	ND	U	0.1
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.081	ND	U	0.073	ND	U	0.1
ENGWESA011	5/13/2015 11:45	UG/M3	ND	U	0.084	ND	U	0.076	ND	U	0.1
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	U	0.084	ND	U	0.076	ND	U	0.1
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.078	ND	U	0.071	ND	U	0.099
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.068	ND	U	0.061	ND	U	0.085
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.068	ND	U	0.061	ND	U	0.085
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.074	ND	U	0.068	ND	U	0.094
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.073	ND	U	0.066	0.12		0.092
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.073	ND	U	0.066	ND	U	0.092
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.072	ND	U	0.066	0.12		0.091
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.074	0.097		0.067	0.15		0.093
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.074	0.12		0.067	0.1		0.093
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.078	ND	U	0.071	0.13		0.098
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.08	0.074		0.073	0.12		0.1
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.08	ND	U	0.073	0.13		0.1
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.063	0.066		0.057	0.17		0.08
ENGWESA012	12/8/2015 10:20	UG/M3	ND	U	0.079	0.089		0.072	0.15		0.1
ENGWESA012	12/23/2015 10:06	UG/M3	ND	U	0.068	0.078		0.062	0.11		0.086
ENGWESA012	1/7/2016 10:56	UG/M3	ND	U	0.068	ND	U	0.062	0.09		0.086
ENGWESA012	1/20/2016 11:40	UG/M3	ND	U	0.078	ND	U	0.071	0.12		0.099
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.073	0.078		0.066	0.13		0.092
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.079	ND	U	0.072	0.11		0.1
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.079	ND	U	0.072	0.12		0.1
ENGWESA012	3/2/2016 10:52	UG/M3	ND	U	0.072	ND	U	0.066	0.11		0.091
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.074	0.07		0.067	0.11		0.093
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.072	0.077		0.066	ND	U	0.091
ENGWESA012	4/13/2016 13:00	UG/M3	ND	U	0.072	0.066		0.066	ND	U	0.091
ENGWESA012	4/27/2016 10:33	UG/M3	ND	U	0.074	ND	U	0.067	0.12		0.092
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	U	0.074	ND	U	0.067	0.12		0.092
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	0.1	0.08		0.1	0.11		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	ND	U	0.1	0.11		0.1	ND	U	0.1
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	0.1	0.06		0.1	ND	U	0.1
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	8/3/2016 15:10	UG/M3	ND	U	0.072	ND	U	0.065	ND	U	0.091
ENGWESA012	8/17/2016 17:04	UG/M3	ND	U	0.071	ND	U	0.064	ND	U	0.089
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.076	ND	U	0.069	ND	U	0.095
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.07	0.066		0.064	ND	U	0.089
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.07	ND	U	0.064	ND	U	0.089
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.077	ND	U	0.07	0.098		0.097



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Chlorobenzene			Chloroform			Cyclohexane		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.051	0.051		0.046	ND	U	0.064
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.077	ND	U	0.07	0.12		0.097
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.079	ND	U	0.072	0.13		0.1
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.079	0.074		0.072	0.16		0.1
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.083	0.1		0.076	0.15		0.1
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.085	0.093		0.077	0.13		0.11
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.084	0.086		0.076	0.18		0.1
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.08	0.074		0.073	0.14		0.1
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.082	0.091		0.074	0.18		0.1
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.082	0.082		0.074	0.17		0.1
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.085	0.092		0.077	0.13		0.11
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.074	0.078		0.067	0.095		0.094
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.083	ND	U	0.075	ND	U	0.1
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.079	0.091		0.072	ND	U	0.1
ENGWESA012	4/12/2017 9:30	UG/M3	ND	U	0.078	ND	U	0.07	ND	U	0.098
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	U	0.078	0.088		0.07	ND	U	0.098
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.094
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.12	ND	U	0.11	ND	U	0.15
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.075	ND	U	0.068	ND	U	0.094
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.077	ND	U	0.07	ND	U	0.097
ENGWESA012	6/7/2017 11:27	UG/M3	ND	U	0.073	0.073		0.066	0.1		0.092
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.074	ND	U	0.068	ND	U	0.094
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.074	ND	U	0.068	0.1		0.094
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.072	ND	U	0.066	ND	U	0.091
ENGWESA012	8/2/2017 7:11	UG/M3	ND	U	0.074	0.072		0.067	ND	U	0.093
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.074	0.12		0.067	ND	U	0.093
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.072	0.098		0.065	0.12		0.091
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.072	0.088		0.065	ND	U	0.091
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.076	0.14	J+	0.069	0.18	J+	0.096
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.076	ND	U	0.069	0.12		0.096
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.078	0.073		0.071	ND	UJ-	0.099
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.081	0.077		0.074	ND	U	0.1

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	UJ-	0.57	ND	U	0.3	ND	U	0.086
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.48	ND	U	0.25	0.076		0.072
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.49	ND	U	0.26	0.083		0.074
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.49	ND	U	0.26	ND	U	0.074
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.48	ND	U	0.25	0.085		0.073
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.48	ND	U	0.25	0.088		0.072
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.49	ND	U	0.26	0.096		0.073
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.49	ND	U	0.26	0.1		0.074
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.48	ND	U	0.25	0.099		0.072
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.49	ND	U	0.26	0.13		0.073
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.49	ND	U	0.26	0.12		0.073
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.48	ND	U	0.25	0.092		0.073
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.48	0.33		0.25	0.12		0.073
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.48	ND	U	0.25	0.082		0.072
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.52	ND	U	0.27	0.11		0.078
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.53	ND	U	0.28	0.15		0.08
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.42	ND	U	0.22	0.22		0.064
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.42	ND	U	0.22	0.2		0.064
ENGWESA001	12/8/2015 12:20	UG/M3	ND	UJ-	0.52	ND	U	0.27	0.25		0.078
ENGWESA001	12/23/2015 9:15	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.12		0.069
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.11		0.069
ENGWESA001	1/7/2016 13:56	UG/M3	ND	UJ-	0.45	ND	U	0.23	0.083		0.067
ENGWESA001	1/20/2016 11:58	UG/M3	ND	U	0.53	ND	U	0.28	0.1		0.079
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.49	ND	U	0.25	0.096		0.073
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.49	ND	U	0.26	0.083		0.073
ENGWESA001	3/2/2016 8:28	UG/M3	ND	UJ-	0.49	ND	U	0.26	ND	U	0.073
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.09		0.073
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.49	ND	U	0.25	0.1		0.073
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.45	ND	U	0.24	0.076		0.068
ENGWESA001	4/13/2016 15:17	UG/M3	ND	UJ-	0.52	ND	U	0.27	ND	U	0.077
ENGWESA001	4/27/2016 11:46	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.13		0.074
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	1	ND	U	0.4	0.077		0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	1	ND	U	0.4	0.081		0.1
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	1	ND	U	0.4	0.074		0.1
ENGWESA001	6/7/2016 7:47	UG/M3	ND	UJ-	1	ND	U	0.4	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	1	ND	U	0.4	0.1		0.1
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	1	ND	U	0.4	ND	U	0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	1	ND	U	0.4	0.098		0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	1	ND	U	0.4	0.091		0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	UJ-	0.48	ND	U	0.25	ND	U	0.072
ENGWESA001	8/17/2016 15:07	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.084		0.072
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.075
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.47	ND	U	0.24	0.078		0.07
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.51	ND	U	0.27	0.15		0.077
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.51	ND	U	0.27	0.16		0.077
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.34	ND	U	0.18	0.098		0.052
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.81	ND	U	0.42	ND	U	0.12
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.51	ND	U	0.27	0.18		0.076
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.53	0.29		0.28	0.2		0.08
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.56	ND	U	0.29	0.26		0.083
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.57	ND	U	0.3	0.14		0.085

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.56	ND	U	0.29	0.12		0.084
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.54	ND	U	0.28	0.12		0.08
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.56	ND	U	0.29	0.26		0.083
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.54	ND	U	0.28	0.12		0.082
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.57	ND	U	0.3	0.12		0.085
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.57	ND	U	0.3	0.11		0.085
ENGWESA001	3/1/2017 8:56	UG/M3	ND	UJ-	0.5	ND	U	0.26	0.15		0.074
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.55	ND	U	0.29	ND	U	0.083
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.53	ND	U	0.28	0.09		0.08
ENGWESA001	4/12/2017 9:42	UG/M3	ND	UJ-	0.51	ND	U	0.27	0.1		0.077
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.075
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.5	ND	U	0.26	0.09		0.075
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.076
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.51	ND	U	0.26	0.1		0.076
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.51	0.43		0.27	0.15		0.077
ENGWESA001	6/7/2017 10:13	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.16		0.074
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.49	ND	U	0.26	0.091		0.074
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.48	ND	U	0.25	0.089		0.073
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.48	ND	U	0.25	0.08		0.073
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.48	ND	U	0.25	0.093		0.072
ENGWESA001	8/2/2017 6:25	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.19		0.074
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.49	ND	U	0.26	0.12		0.073
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.48	ND	U	0.25	0.11		0.072
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.51	ND	U	0.26	0.1		0.076
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.51	ND	U	0.26	0.12		0.076
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.51	ND	U	0.26	0.15		0.076
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.52	ND	U	0.27	0.11		0.078
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.54	ND	U	0.28	0.13		0.081
ENGWESA005	5/13/2015 11:35	UG/M3	ND	UJ-	0.57	ND	U	0.3	0.094		0.085
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.48	ND	U	0.25	0.079		0.072
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.49	ND	U	0.26	0.1		0.074
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.52	ND	U	0.27	0.097		0.078
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.52	ND	U	0.27	0.081		0.078
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.45	ND	U	0.23	0.14		0.067
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.49	ND	U	0.26	0.1		0.074
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.49	0.28		0.26	0.14		0.073
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.49	0.27		0.26	0.12		0.073
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.48	ND	U	0.25	0.12		0.073
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.48	ND	U	0.25	0.14		0.073
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.48	0.28		0.25	0.11		0.072
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.49	ND	U	0.26	0.13		0.074
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.48	0.35		0.25	0.091		0.072
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.48	0.34		0.25	0.083		0.072
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.52	0.28		0.27	0.13		0.079
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.53	ND	U	0.28	0.13		0.08
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.42	ND	U	0.22	0.17		0.064
ENGWESA005	12/8/2015 11:22	UG/M3	ND	UJ-	0.52	ND	U	0.27	0.12		0.079
ENGWESA005	12/23/2015 9:38	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.11		0.068
ENGWESA005	1/8/2016 13:00	UG/M3	ND	UJ-	0.42	ND	U	0.22	0.075		0.063
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	UJ-	0.42	ND	U	0.22	0.071		0.063

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	U	0.57	ND	U	0.3	0.096		0.086
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.49	ND	U	0.25	0.1		0.073
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.49	ND	U	0.26	0.092		0.073
ENGWESA005	3/2/2016 9:22	UG/M3	ND	UJ-	0.49	ND	U	0.25	0.082		0.073
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.073
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.073
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.48	ND	U	0.25	0.079		0.072
ENGWESA005	4/13/2016 14:28	UG/M3	ND	UJ-	0.48	ND	U	0.25	ND	U	0.073
ENGWESA005	4/28/2016 12:51	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.16		0.068
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	1	ND	U	0.4	0.085		0.1
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	1	ND	U	0.4	0.12		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	1	ND	U	0.4	0.098		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	ND	UJ-	1	ND	U	0.4	0.15		0.1
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	1	0.37		0.4	0.13		0.1
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	1	ND	U	0.4	0.092		0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	1	ND	U	0.4	0.12		0.1
ENGWESA005	8/3/2016 14:50	UG/M3	ND	UJ-	0.49	ND	U	0.25	0.088		0.073
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	UJ-	0.49	ND	U	0.25	0.084		0.073
ENGWESA005	8/17/2016 15:43	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.098		0.071
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.5	ND	U	0.26	0.13		0.075
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.47	ND	U	0.24	0.088		0.07
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.51	0.37		0.27	0.15		0.077
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.34	0.21		0.18	0.09		0.052
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.34	0.22		0.18	0.099		0.052
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.79	ND	U	0.41	0.12		0.12
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.51	0.44		0.27	0.19		0.077
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.53	0.33		0.28	0.16		0.079
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.55	ND	U	0.29	0.14		0.082
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.57	ND	U	0.3	0.12		0.085
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.56	ND	U	0.29	0.12		0.084
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.53	ND	U	0.28	0.097		0.08
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.54	ND	U	0.28	0.12		0.082
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.56	ND	U	0.29	0.12		0.084
ENGWESA005	3/1/2017 8:39	UG/M3	ND	UJ-	0.5	ND	U	0.26	0.12		0.075
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	UJ-	0.5	ND	U	0.26	0.13		0.075
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.55	ND	U	0.29	0.082		0.082
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.53	ND	U	0.28	0.081		0.079
ENGWESA005	4/12/2017 9:58	UG/M3	ND	UJ-	0.51	ND	U	0.27	0.11		0.077
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.5	ND	U	0.26	0.13		0.074
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.5	ND	U	0.26	0.14		0.076
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.5	ND	U	0.26	0.12		0.076
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.51	ND	U	0.27	0.12		0.076
ENGWESA005	6/7/2017 11:08	UG/M3	ND	UJ-	0.48	0.29		0.25	0.15		0.073
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.5	0.33		0.26	0.12		0.074
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.48	ND	U	0.25	0.1		0.073
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.48	0.28		0.25	0.16		0.072
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.48	ND	U	0.25	0.077		0.072
ENGWESA005	8/2/2017 6:40	UG/M3	ND	UJ-	0.49	0.34		0.26	0.12		0.074
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.49	0.26		0.26	0.11		0.073
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.48	ND	U	0.25	0.11		0.072
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.51	0.26		0.26	0.13		0.076

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.51	0.3		0.26	0.18		0.076
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.51	0.29		0.26	0.14		0.076
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.52	ND	U	0.27	0.15		0.078
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.54	ND	U	0.28	0.12		0.081
ENGWESA007	5/13/2015 11:25	UG/M3	ND	UJ-	0.57	0.41		0.3	0.14		0.085
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.48	0.31		0.25	0.093		0.073
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.49	0.35		0.26	0.14		0.073
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.52	0.51		0.27	0.17		0.078
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.45	0.29		0.23	0.13		0.067
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.49	0.41		0.26	0.12		0.074
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.49	0.49		0.26	0.12		0.074
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.49	0.39		0.26	0.16		0.073
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.48	0.35		0.25	0.12		0.073
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.48	0.45		0.25	0.16		0.073
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.48	0.34		0.25	0.12		0.072
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.48	0.49		0.25	0.15		0.072
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.49	0.43		0.26	0.17		0.074
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.48	0.39		0.25	0.12		0.072
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.52	0.43		0.27	0.16		0.078
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.53	ND	U	0.28	0.16		0.08
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.42	0.27		0.22	0.18		0.063
ENGWESA007	12/8/2015 11:07	UG/M3	ND	UJ-	0.52	ND	U	0.28	0.14		0.079
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	UJ-	0.52	ND	U	0.28	0.14		0.079
ENGWESA007	12/23/2015 9:43	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.13		0.068
ENGWESA007	1/8/2016 13:12	UG/M3	ND	UJ-	0.42	ND	U	0.22	0.067		0.063
ENGWESA007	1/20/2016 11:06	UG/M3	ND	U	0.57	ND	U	0.3	0.11		0.086
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	U	0.57	ND	U	0.3	0.11		0.086
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.49	ND	U	0.25	0.12		0.073
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.49	ND	U	0.26	0.12		0.073
ENGWESA007	3/2/2016 14:44	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.1		0.072
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.074
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.48	ND	U	0.25	0.09		0.072
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.48	ND	U	0.25	0.091		0.072
ENGWESA007	4/13/2016 14:22	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.081		0.072
ENGWESA007	4/28/2016 10:53	UG/M3	ND	UJ-	0.46	0.44		0.24	0.18		0.069
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	1	0.38		0.4	0.12		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	1	0.44		0.4	0.13		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	ND	UJ-	1	0.54		0.4	0.16		0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	UJ-	1	0.51		0.4	0.16		0.1
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	1	0.99		0.4	0.22		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	1	0.34		0.4	0.1		0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	1	0.41		0.4	0.16		0.1
ENGWESA007	8/3/2016 15:00	UG/M3	ND	UJ-	0.48	0.3		0.25	0.13		0.073
ENGWESA007	8/17/2016 16:12	UG/M3	ND	UJ-	0.48	0.25		0.25	0.12		0.071
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	UJ-	0.48	0.3		0.25	0.12		0.071
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.5	0.51		0.26	0.19		0.075
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.47	0.46		0.24	0.15		0.07
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.51	0.84		0.27	0.18		0.077
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.34	0.39		0.18	0.11		0.051
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.8	0.58		0.42	0.14		0.12
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.51	0.78		0.27	0.27		0.077

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.53	0.6		0.28	0.24		0.079
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.56	ND	U	0.29	0.18		0.083
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.56	ND	U	0.29	0.13		0.084
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.56	ND	U	0.29	0.15		0.084
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.56	ND	U	0.29	0.16		0.084
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.53	ND	U	0.28	0.1		0.08
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.54	ND	U	0.28	0.14		0.082
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.56	ND	U	0.29	0.14		0.084
ENGWESA007	3/1/2017 9:44	UG/M3	ND	UJ-	0.5	0.58		0.26	0.21		0.074
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.55	ND	U	0.29	0.091		0.082
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.55	ND	U	0.29	0.092		0.082
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.53	ND	U	0.28	0.094		0.079
ENGWESA007	4/12/2017 9:55	UG/M3	ND	UJ-	0.51	ND	U	0.27	0.19		0.077
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.5	0.42		0.26	0.22		0.074
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.5	0.45		0.26	0.17		0.075
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.51	0.4		0.27	0.16		0.077
ENGWESA007	6/7/2017 11:00	UG/M3	ND	UJ-	0.49	0.66		0.26	0.2		0.073
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.5	0.87		0.26	0.27		0.074
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.48	0.41		0.25	0.13		0.073
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.48	0.52		0.25	0.12		0.072
ENGWESA007	8/2/2017 6:32	UG/M3	ND	UJ-	0.49	0.71		0.26	0.19		0.074
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	UJ-	0.49	0.62		0.26	0.19		0.074
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.49	0.53		0.26	0.23		0.073
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.48	0.51		0.25	0.16		0.072
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.51	0.76		0.26	0.18		0.076
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.51	0.78		0.26	0.22		0.076
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.52	0.35		0.27	0.17		0.078
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.52	0.39		0.27	0.18		0.078
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.54	0.44		0.28	0.14		0.081
ENGWESA008	5/13/2015 12:05	UG/M3	ND	UJ-	0.57	ND	U	0.3	0.088		0.086
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.48	ND	U	0.25	0.074		0.072
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.48	ND	U	0.25	0.073		0.072
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.074
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.52	ND	U	0.27	0.08		0.078
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.45	ND	U	0.24	0.14		0.067
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.49	ND	U	0.26	0.094		0.074
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.49	ND	U	0.26	0.12		0.073
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.48	ND	U	0.25	0.11		0.073
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.48	ND	U	0.25	0.11		0.073
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.49	ND	U	0.25	0.12		0.073
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.48	ND	U	0.25	0.096		0.072
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.074
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.48	0.25		0.25	0.085		0.072
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.52	ND	U	0.27	0.14		0.079
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.52	ND	U	0.27	0.12		0.079
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.53	ND	U	0.28	0.13		0.08
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.42	ND	U	0.22	0.16		0.064
ENGWESA008	12/8/2015 11:45	UG/M3	ND	UJ-	0.52	ND	U	0.27	0.13		0.079
ENGWESA008	12/23/2015 9:30	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.099		0.068
ENGWESA008	1/7/2016 11:12	UG/M3	ND	UJ-	0.45	ND	U	0.24	ND	U	0.068

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	U	0.52	ND	U	0.27	0.084		0.078
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.46	ND	U	0.24	0.1		0.068
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.46	ND	U	0.24	0.099		0.068
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.52	ND	U	0.27	0.081		0.079
ENGWESA008	3/2/2016 8:20	UG/M3	ND	UJ-	0.46	ND	U	0.24	0.074		0.068
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.52	ND	U	0.27	0.12		0.078
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.45	ND	U	0.24	0.084		0.068
ENGWESA008	4/13/2016 14:43	UG/M3	ND	UJ-	0.52	ND	U	0.27	ND	U	0.077
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	UJ-	0.52	ND	U	0.27	ND	U	0.077
ENGWESA008	4/28/2016 13:23	UG/M3	ND	UJ-	0.46	0.25		0.24	0.16		0.068
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	1	ND	U	0.4	0.082		0.1
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	1	ND	U	0.4	0.089		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	ND	UJ-	1	ND	U	0.4	0.12		0.1
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	1	ND	U	0.4	0.11		0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	1	0.22		0.4	0.11		0.1
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	1	ND	U	0.4	0.087		0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	1	ND	U	0.4	0.1		0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	UJ-	0.52	ND	U	0.27	ND	U	0.078
ENGWESA008	8/17/2016 16:37	UG/M3	ND	UJ-	0.47	ND	U	0.25	0.095		0.071
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.5	ND	U	0.26	0.13		0.076
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.5	ND	U	0.26	0.12		0.076
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.46	ND	U	0.24	0.088		0.07
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.51	0.31		0.27	0.12		0.077
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.34	0.48		0.18	0.094		0.051
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.79	0.43		0.41	ND	U	0.12
ENGWESA008	11/9/2016 13:50	UG/M3	ND	U	0.51	0.52		0.27	0.17		0.077
ENGWESA008 FD	11/9/2016 13:51	UG/M3	ND	U	0.51	0.51		0.27	0.16		0.077
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.53	0.42		0.28	0.15		0.079
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.55	ND	U	0.29	0.13		0.082
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.56	ND	U	0.29	0.12		0.084
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.56	ND	U	0.29	0.12		0.084
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.54	ND	U	0.28	0.099		0.081
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.54	ND	U	0.28	0.1		0.081
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.54	ND	U	0.28	0.1		0.082
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.56	ND	U	0.29	0.09		0.084
ENGWESA008	3/1/2017 9:56	UG/M3	ND	UJ-	0.5	ND	U	0.26	0.12		0.074
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.55	ND	U	0.28	ND	U	0.082
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.53	ND	U	0.28	ND	U	0.08
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.53	ND	U	0.28	ND	U	0.08
ENGWESA008	4/12/2017 10:00	UG/M3	ND	UJ-	0.51	ND	U	0.27	0.076		0.076
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.074
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.5	ND	U	0.26	0.1		0.076
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.51	ND	U	0.27	0.091		0.077
ENGWESA008	6/7/2017 11:16	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.12		0.073
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.13		0.073
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.5	ND	U	0.26	ND	U	0.074
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.48	ND	U	0.25	0.088		0.073
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.48	ND	U	0.25	ND	U	0.072
ENGWESA008	8/2/2017 6:47	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.1		0.074
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.49	ND	U	0.26	0.26	J	0.073
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.49	ND	U	0.26	0.1	J	0.073

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.48	ND	U	0.25	0.1		0.072
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.51	0.27		0.26	0.13		0.076
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.51	ND	U	0.26	0.16		0.076
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.52	ND	U	0.27	0.16		0.078
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.54	ND	U	0.28	0.083		0.081
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.54	ND	U	0.28	0.095		0.081
ENGWESA011	5/13/2015 11:45	UG/M3	ND	UJ-	0.56	ND	U	0.29	0.085		0.084
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	UJ-	0.56	ND	U	0.29	0.086		0.084
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.49	ND	U	0.26	ND	U	0.073
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.48	ND	U	0.25	0.12		0.073
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.52	ND	U	0.27	0.082		0.078
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.45	ND	U	0.24	0.11		0.068
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.45	ND	U	0.24	0.12		0.068
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.5	ND	U	0.26	0.081		0.074
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.48	ND	U	0.25	0.12		0.073
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.49	ND	U	0.25	0.096		0.073
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.48	0.25		0.25	0.11		0.072
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.49	0.26		0.26	0.15		0.074
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.49	ND	U	0.26	0.13		0.074
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.48	ND	U	0.25	0.082		0.072
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.52	ND	U	0.27	0.14		0.078
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.54	ND	U	0.28	0.15		0.08
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.54	ND	U	0.28	0.14		0.08
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.42	ND	U	0.22	0.16		0.063
ENGWESA012	12/8/2015 10:20	UG/M3	ND	UJ-	0.53	ND	U	0.28	0.12		0.079
ENGWESA012	12/23/2015 10:06	UG/M3	ND	UJ-	0.45	ND	U	0.24	0.11		0.068
ENGWESA012	1/7/2016 10:56	UG/M3	ND	UJ-	0.45	ND	U	0.24	ND	U	0.068
ENGWESA012	1/20/2016 11:40	UG/M3	ND	U	0.52	ND	U	0.27	0.087		0.078
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.073
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.53	ND	U	0.28	0.098		0.079
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.53	ND	U	0.28	0.086		0.079
ENGWESA012	3/2/2016 10:52	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.078		0.072
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.49	ND	U	0.26	0.11		0.074
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.48	ND	U	0.25	0.08		0.072
ENGWESA012	4/13/2016 13:00	UG/M3	ND	UJ-	0.48	ND	U	0.25	ND	U	0.072
ENGWESA012	4/27/2016 10:33	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.17		0.074
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.17		0.074
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	1	ND	U	0.4	0.098		0.1
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	1	ND	U	0.4	0.11		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	ND	UJ-	1	ND	U	0.4	0.1		0.1
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	1	ND	U	0.4	0.11		0.1
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	1	ND	U	0.4	0.1		0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	1	ND	U	0.4	0.1		0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	1	ND	U	0.4	0.1		0.1
ENGWESA012	8/3/2016 15:10	UG/M3	ND	UJ-	0.48	ND	U	0.25	0.094		0.072
ENGWESA012	8/17/2016 17:04	UG/M3	ND	UJ-	0.47	ND	U	0.25	0.091		0.071
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.5	ND	U	0.26	0.12		0.076
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.47	ND	U	0.24	0.094		0.07
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.47	ND	U	0.24	0.097		0.07
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.51	0.27		0.27	0.15		0.077



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Ethanol			Ethyl Acetate			Ethyl Benzene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.34	ND	U	0.18	0.11		0.051
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.8	ND	U	0.42	ND	U	0.12
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.51	ND	U	0.27	0.18		0.077
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.53	ND	U	0.28	0.18		0.079
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.53	0.28		0.28	0.21		0.079
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.56	ND	U	0.29	0.15		0.083
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.57	ND	U	0.3	0.14		0.085
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.56	ND	U	0.29	0.14		0.084
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.54	ND	U	0.28	0.098		0.08
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.55	ND	U	0.29	0.13		0.082
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.55	ND	U	0.29	0.13		0.082
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.57	ND	U	0.3	0.11		0.085
ENGWESA012	3/1/2017 9:33	UG/M3	ND	UJ-	0.5	ND	U	0.26	0.11		0.074
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.55	ND	U	0.29	ND	U	0.083
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.53	ND	U	0.28	0.099		0.079
ENGWESA012	4/12/2017 9:30	UG/M3	ND	UJ-	0.52	ND	U	0.27	0.099		0.078
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	UJ-	0.52	ND	U	0.27	0.092		0.078
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.5	ND	U	0.26	0.11		0.075
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.8	ND	U	0.42	ND	U	0.12
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.5	ND	U	0.26	0.086		0.075
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.51	ND	U	0.27	0.1		0.077
ENGWESA012	6/7/2017 11:27	UG/M3	ND	UJ-	0.48	0.34		0.25	0.13		0.073
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.5	ND	U	0.26	0.13		0.074
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.5	ND	U	0.26	0.12		0.074
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.48	ND	U	0.25	0.089		0.072
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.48	ND	U	0.25	ND	U	0.072
ENGWESA012	8/2/2017 7:11	UG/M3	ND	UJ-	0.49	ND	U	0.26	0.095		0.074
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.49	ND	U	0.26	0.09		0.074
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.48	ND	U	0.25	0.11		0.072
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.48	ND	U	0.25	0.1		0.072
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.51	0.43		0.26	0.15		0.076
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.51	ND	U	0.26	0.17		0.076
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.52	ND	U	0.27	0.14		0.078
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.54	ND	U	0.28	0.098		0.081

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	0.18		0.1	0.16		0.088	0.21		0.083
ENGWESA001	5/27/2015 16:33	UG/M3	0.22		0.084	0.13		0.074	0.23		0.07
ENGWESA001	6/10/2015 11:01	UG/M3	0.26		0.087	0.21		0.076	0.25		0.072
ENGWESA001 FD	6/10/2015 11:08	UG/M3	0.24		0.087	0.21		0.076	0.2		0.072
ENGWESA001	6/24/2015 12:00	UG/M3	0.19		0.085	0.27		0.075	0.28		0.071
ENGWESA001	7/8/2015 15:33	UG/M3	0.28		0.084	0.34		0.074	0.25		0.07
ENGWESA001	7/22/2015 14:24	UG/M3	0.42		0.086	0.68		0.075	0.3		0.071
ENGWESA001	8/5/2015 9:17	UG/M3	0.28		0.087	0.49		0.076	0.31		0.072
ENGWESA001	8/19/2015 11:15	UG/M3	0.24	J+	0.085	0.47		0.075	0.3		0.07
ENGWESA001	9/2/2015 9:50	UG/M3	0.31		0.086	0.42	J+	0.075	0.37		0.071
ENGWESA001 FD	9/2/2015 9:50	UG/M3	0.27		0.086	0.33	J+	0.075	0.32		0.071
ENGWESA001	9/16/2015 11:18	UG/M3	0.26		0.085	0.55		0.075	0.3		0.07
ENGWESA001	9/30/2015 12:03	UG/M3	0.61	J+	0.085	0.52	J+	0.075	0.39		0.071
ENGWESA001	10/14/2015 13:56	UG/M3	0.26		0.085	0.2		0.075	0.23		0.07
ENGWESA001	10/27/2015 15:33	UG/M3	0.32		0.092	0.36		0.08	0.31		0.076
ENGWESA001	11/9/2015 11:28	UG/M3	0.35		0.093	0.5		0.082	0.4		0.077
ENGWESA001	11/25/2015 11:55	UG/M3	0.36		0.075	0.48		0.066	0.83		0.062
ENGWESA001 FD	11/25/2015 11:55	UG/M3	0.37		0.075	0.55		0.066	0.74		0.062
ENGWESA001	12/8/2015 12:20	UG/M3	0.44		0.092	0.57		0.081	0.87		0.076
ENGWESA001	12/23/2015 9:15	UG/M3	0.48		0.08	0.36	J-	0.071	0.31		0.067
ENGWESA001 FD	12/23/2015 9:15	UG/M3	0.45		0.08	0.39	J-	0.071	0.28		0.067
ENGWESA001	1/7/2016 13:56	UG/M3	0.31		0.079	0.41	J-	0.069	0.2		0.065
ENGWESA001	1/20/2016 11:58	UG/M3	0.3		0.093	0.23		0.081	0.26		0.077
ENGWESA001	2/3/2016 11:50	UG/M3	0.33		0.086	0.3	J+	0.075	0.22		0.071
ENGWESA001	2/17/2016 10:22	UG/M3	0.29		0.086	0.27		0.075	0.19		0.071
ENGWESA001	3/2/2016 8:28	UG/M3	0.24		0.086	0.24		0.076	0.19		0.071
ENGWESA001 FD	3/2/2016 8:28	UG/M3	0.24		0.086	0.29		0.076	0.24		0.071
ENGWESA001	3/16/2016 7:45	UG/M3	0.28		0.086	0.25	J+	0.075	0.3		0.071
ENGWESA001	3/31/2016 10:38	UG/M3	0.28		0.079	0.18	J+	0.07	0.19		0.066
ENGWESA001	4/13/2016 15:17	UG/M3	0.2		0.091	0.15		0.08	0.13		0.075
ENGWESA001	4/27/2016 11:46	UG/M3	0.39		0.086	0.31		0.076	0.37		0.072
ENGWESA001	5/11/2016 9:50	UG/M3	0.32		0.1	0.28		0.1	0.21		0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	0.32		0.1	0.18		0.1	0.22		0.1
ENGWESA001	5/26/2016 11:51	UG/M3	0.26		0.1	0.24		0.1	0.2		0.1
ENGWESA001	6/7/2016 7:47	UG/M3	0.13		0.1	0.24		0.1	0.19		0.1
ENGWESA001	6/23/2016 8:12	UG/M3	0.41		0.1	0.26		0.1	0.28		0.1
ENGWESA001	7/6/2016 9:41	UG/M3	0.22		0.1	0.34		0.1	0.19		0.1
ENGWESA001	7/20/2016 12:25	UG/M3	0.57		0.1	0.27		0.1	0.28		0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	0.53		0.1	0.32		0.1	0.29		0.1
ENGWESA001	8/3/2016 15:24	UG/M3	0.19		0.085	0.22		0.074	0.18		0.07
ENGWESA001	8/17/2016 15:07	UG/M3	0.25		0.084	0.33		0.074	0.21		0.07
ENGWESA001	8/31/2016 8:12	UG/M3	0.28		0.088	0.33		0.078	0.34		0.073
ENGWESA001	9/14/2016 15:16	UG/M3	0.25	J+	0.082	0.23		0.072	0.2		0.068
ENGWESA001	9/28/2016 9:45	UG/M3	0.84		0.09	0.38		0.079	0.42		0.075
ENGWESA001 FD	9/28/2016 9:45	UG/M3	0.95		0.09	0.46		0.079	0.44		0.075
ENGWESA001	10/17/2016 14:57	UG/M3	0.24		0.06	0.31		0.053	0.28		0.05
ENGWESA001	10/26/2016 10:20	UG/M3	0.37		0.14	0.35		0.12	0.34		0.12
ENGWESA001	11/9/2016 14:15	UG/M3	0.44		0.089	0.44	J	0.079	0.52		0.074
ENGWESA001	11/23/2016 10:45	UG/M3	0.49		0.093	0.6		0.082	0.58		0.077
ENGWESA001	12/7/2016 9:57	UG/M3	0.43		0.098	0.4		0.086	0.8		0.081
ENGWESA001	12/21/2016 8:19	UG/M3	0.32		0.1	0.41		0.088	0.33		0.082

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	0.31		0.098	0.44		0.086	0.3		0.081
ENGWESA001	1/18/2017 11:53	UG/M3	0.34		0.094	0.43		0.083	0.33		0.078
ENGWESA001 FD	12/7/2016 9:57	UG/M3	0.43		0.098	0.38		0.086	0.77		0.081
ENGWESA001	2/1/2017 9:17	UG/M3	0.4		0.096	0.48		0.084	0.33		0.079
ENGWESA001	2/14/2017 9:50	UG/M3	0.46		0.1	0.46		0.088	0.32		0.083
ENGWESA001 FD	2/14/2017 9:50	UG/M3	0.39		0.1	0.35		0.088	0.3		0.083
ENGWESA001	3/1/2017 8:56	UG/M3	0.32		0.087	0.32		0.077	0.31		0.072
ENGWESA001	3/15/2017 12:34	UG/M3	0.19		0.097	0.22		0.085	0.19		0.08
ENGWESA001	3/29/2017 9:33	UG/M3	0.27		0.093	0.27		0.082	0.27		0.077
ENGWESA001	4/12/2017 9:42	UG/M3	0.28		0.09	0.36		0.08	0.28		0.075
ENGWESA001	4/26/2017 9:45	UG/M3	0.23		0.088	0.28	U	0.077	0.29	U	0.073
ENGWESA001 FD	4/26/2017 9:45	UG/M3	0.2		0.088	0.32	U	0.077	0.25	U	0.073
ENGWESA001	5/10/2017 6:21	UG/M3	0.24		0.089	0.32		0.078	0.3		0.073
ENGWESA001	5/24/2017 9:38	UG/M3	0.4		0.089	0.24		0.078	0.31		0.074
ENGWESA001 FD	5/24/2017 9:06	UG/M3	0.26		0.09	0.39		0.079	0.45		0.074
ENGWESA001	6/7/2017 10:13	UG/M3	0.25		0.087	0.33		0.076	0.41		0.072
ENGWESA001	6/21/2017 6:12	UG/M3	0.23		0.087	0.21		0.076	0.23		0.072
ENGWESA001	7/5/2017 7:37	UG/M3	0.17		0.085	0.26		0.075	0.24		0.07
ENGWESA001 FD	7/5/2017 7:37	UG/M3	0.17		0.085	0.17		0.075	0.21		0.07
ENGWESA001	7/19/2017 6:24	UG/M3	0.23	J-	0.085	0.24	J-	0.075	0.23		0.07
ENGWESA001	8/2/2017 6:25	UG/M3	0.41		0.087	0.36		0.076	0.5		0.072
ENGWESA001	8/16/2017 6:13	UG/M3	0.23		0.086	0.24		0.076	0.32		0.071
ENGWESA001	8/30/2017 11:03	UG/M3	0.26		0.085	0.3		0.074	0.3		0.07
ENGWESA001	9/13/2017 9:13	UG/M3	0.31		0.089	0.42	J	0.078	0.28		0.074
ENGWESA001 FD	9/13/2017 9:13	UG/M3	0.36		0.089	0.3		0.078	0.33		0.074
ENGWESA001	9/27/2017 7:39	UG/M3	0.33		0.089	0.45	J	0.078	0.44		0.074
ENGWESA001	10/11/2017 8:08	UG/M3	0.28		0.092	0.33		0.081	0.28		0.076
ENGWESA001	10/25/2017 9:20	UG/M3	0.27		0.095	0.33		0.084	0.36		0.079
ENGWESA005	5/13/2015 11:35	UG/M3	0.21		0.1	0.22		0.088	0.27		0.083
ENGWESA005	5/27/2015 15:14	UG/M3	0.13		0.085	0.15		0.074	0.22		0.07
ENGWESA005	6/10/2015 10:13	UG/M3	0.17		0.087	0.33		0.076	0.3		0.072
ENGWESA005	6/23/2015 10:50	UG/M3	0.17		0.092	0.23		0.081	0.28		0.076
ENGWESA005 FD	6/23/2015 10:50	UG/M3	0.14		0.092	0.25		0.081	0.24		0.076
ENGWESA005	7/8/2015 15:13	UG/M3	0.19		0.079	2		0.069	0.38		0.065
ENGWESA005	7/22/2015 11:04	UG/M3	0.2		0.086	0.84		0.076	0.32		0.072
ENGWESA005	8/5/2015 9:30	UG/M3	0.21		0.086	0.32		0.076	0.42		0.071
ENGWESA005 FD	8/5/2015 9:30	UG/M3	0.19		0.086	0.34		0.076	0.36		0.071
ENGWESA005	8/19/2015 10:00	UG/M3	0.22	J+	0.085	0.45		0.075	0.37		0.071
ENGWESA005	9/2/2015 10:15	UG/M3	0.25		0.085	0.51	J+	0.075	0.39		0.071
ENGWESA005	9/16/2015 13:07	UG/M3	0.24		0.085	0.6		0.074	0.35		0.07
ENGWESA005	9/30/2015 10:11	UG/M3	0.34	J+	0.086	0.66	J+	0.076	0.45		0.071
ENGWESA005	10/14/2015 15:25	UG/M3	0.22		0.084	0.29		0.074	0.26		0.07
ENGWESA005 FD	10/14/2015 15:25	UG/M3	0.2		0.084	0.21		0.074	0.23		0.07
ENGWESA005	10/27/2015 15:10	UG/M3	0.25		0.092	0.32		0.081	0.37		0.076
ENGWESA005	11/9/2015 10:22	UG/M3	0.24		0.094	0.49		0.082	0.35		0.078
ENGWESA005	11/25/2015 11:45	UG/M3	0.33		0.074	0.66		0.066	0.48		0.062
ENGWESA005	12/8/2015 11:22	UG/M3	0.24		0.092	0.5		0.081	0.34		0.076
ENGWESA005	12/23/2015 9:38	UG/M3	0.27		0.08	0.36	J-	0.07	0.28		0.066
ENGWESA005	1/8/2016 13:00	UG/M3	0.18		0.074	0.28	J-	0.065	0.17		0.061
ENGWESA005 FD	1/8/2016 13:00	UG/M3	0.14		0.074	0.28	J-	0.065	0.16		0.061

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	0.18		0.1	0.23		0.088	0.26		0.083
ENGWESA005	2/3/2016 11:23	UG/M3	0.25		0.085	0.5	J+	0.075	0.23		0.071
ENGWESA005	2/17/2016 10:02	UG/M3	0.19		0.086	0.37		0.075	0.2		0.071
ENGWESA005	3/2/2016 9:22	UG/M3	0.17		0.086	0.22		0.075	0.2		0.071
ENGWESA005	3/16/2016 7:15	UG/M3	0.21		0.086	0.31	J+	0.076	0.32		0.071
ENGWESA005 FD	3/16/2016 7:15	UG/M3	0.22		0.086	0.35	J+	0.076	0.33		0.071
ENGWESA005	3/30/2016 13:03	UG/M3	0.16		0.084	0.2	J+	0.074	0.2		0.07
ENGWESA005	4/13/2016 14:28	UG/M3	0.11		0.085	0.17		0.075	0.16		0.07
ENGWESA005	4/28/2016 12:51	UG/M3	0.28		0.08	0.48		0.07	0.46		0.066
ENGWESA005	5/11/2016 10:24	UG/M3	0.14		0.1	0.2		0.1	0.21		0.1
ENGWESA005	5/26/2016 13:50	UG/M3	0.23		0.1	0.38		0.1	0.33		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	0.21		0.1	0.38		0.1	0.28		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	0.17		0.1	0.33		0.1	0.4		0.1
ENGWESA005	6/23/2016 13:56	UG/M3	0.22		0.1	0.36		0.1	0.36		0.1
ENGWESA005	7/6/2016 9:24	UG/M3	0.18		0.1	0.36		0.1	0.23		0.1
ENGWESA005	7/20/2016 15:00	UG/M3	0.19		0.1	0.39		0.1	0.33		0.1
ENGWESA005	8/3/2016 14:50	UG/M3	0.15		0.086	0.25		0.075	0.24		0.071
ENGWESA005 FD	8/3/2016 14:50	UG/M3	0.14		0.086	0.33		0.075	0.21		0.071
ENGWESA005	8/17/2016 15:43	UG/M3	0.16		0.084	0.29		0.073	0.25		0.069
ENGWESA005	8/31/2016 8:35	UG/M3	0.23		0.088	0.33		0.077	0.36		0.073
ENGWESA005	9/14/2016 16:15	UG/M3	0.17	J+	0.082	0.28		0.072	0.24		0.068
ENGWESA005	9/28/2016 10:06	UG/M3	0.28		0.09	0.52		0.079	0.4		0.075
ENGWESA005	10/17/2016 14:39	UG/M3	0.2		0.06	0.3		0.053	0.25		0.05
ENGWESA005 FD	10/17/2016 14:39	UG/M3	0.2		0.06	0.29		0.053	0.26		0.05
ENGWESA005	10/26/2016 12:03	UG/M3	0.26		0.14	0.37		0.12	0.29		0.12
ENGWESA005	11/9/2016 13:28	UG/M3	0.33		0.09	0.45	J	0.079	0.52		0.075
ENGWESA005	11/23/2016 11:04	UG/M3	0.3		0.093	0.5		0.082	0.42		0.077
ENGWESA005	12/7/2016 10:15	UG/M3	0.27		0.097	0.42		0.085	0.35		0.08
ENGWESA005	12/21/2016 8:03	UG/M3	0.26		0.1	0.39		0.088	0.3		0.083
ENGWESA005	1/4/2017 13:57	UG/M3	0.26		0.098	0.44		0.086	0.31		0.081
ENGWESA005	1/18/2017 12:33	UG/M3	0.22		0.094	0.41		0.082	0.24		0.078
ENGWESA005	2/1/2017 9:43	UG/M3	0.31		0.096	0.57		0.084	0.31		0.079
ENGWESA005	2/14/2017 10:15	UG/M3	0.25		0.099	0.41		0.087	0.3		0.082
ENGWESA005	3/1/2017 8:39	UG/M3	0.26		0.088	0.34		0.077	0.32		0.072
ENGWESA005 FD	3/1/2017 8:39	UG/M3	0.28		0.088	0.34		0.077	0.35		0.072
ENGWESA005	3/15/2017 13:01	UG/M3	0.19		0.096	0.26		0.085	0.22		0.08
ENGWESA005	3/29/2017 10:49	UG/M3	0.16		0.093	0.3		0.082	0.23		0.077
ENGWESA005	4/12/2017 9:58	UG/M3	0.18		0.09	0.28		0.079	0.29		0.075
ENGWESA005	4/26/2017 10:13	UG/M3	0.23		0.087	0.49	U	0.077	0.34	U	0.072
ENGWESA005	5/10/2017 6:35	UG/M3	0.2		0.089	0.43		0.078	0.36		0.073
ENGWESA005 FD	5/10/2017 6:35	UG/M3	0.18		0.089	0.43		0.078	0.31		0.073
ENGWESA005	5/24/2017 9:12	UG/M3	0.24		0.09	0.37		0.079	0.33		0.074
ENGWESA005	6/7/2017 11:08	UG/M3	0.25		0.085	0.43		0.075	0.38		0.071
ENGWESA005	6/21/2017 6:25	UG/M3	0.21		0.087	0.3		0.077	0.36		0.072
ENGWESA005	7/5/2017 7:48	UG/M3	0.15		0.085	0.33		0.075	0.29		0.07
ENGWESA005	7/19/2017 6:40	UG/M3	0.19	J-	0.085	0.35	J-	0.075	0.38	J	0.07
ENGWESA005 FD	7/19/2017 6:40	UG/M3	0.14	J-	0.085	0.18	J-	0.075	0.22	J	0.07
ENGWESA005	8/2/2017 6:40	UG/M3	0.2		0.087	0.34		0.076	0.31		0.072
ENGWESA005	8/16/2017 6:23	UG/M3	0.18		0.086	0.28		0.076	0.3		0.071
ENGWESA005	8/30/2017 11:17	UG/M3	0.21		0.085	0.3		0.074	0.28		0.07
ENGWESA005	9/13/2017 9:26	UG/M3	0.29		0.089	0.36		0.078	0.37		0.074

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	0.28		0.089	0.51		0.078	0.53		0.074
ENGWESA005 FD	9/27/2017 7:25	UG/M3	0.3		0.089	0.3		0.078	0.42		0.074
ENGWESA005	10/11/2017 7:53	UG/M3	0.24		0.092	0.33		0.081	0.4		0.076
ENGWESA005	10/25/2017 9:40	UG/M3	0.18		0.095	0.35		0.083	0.33		0.079
ENGWESA007	5/13/2015 11:25	UG/M3	0.25		0.1	0.35		0.088	0.42		0.083
ENGWESA007	5/27/2015 12:32	UG/M3	0.15		0.085	0.31		0.075	0.27		0.071
ENGWESA007	6/10/2015 10:03	UG/M3	0.22		0.086	0.41		0.076	0.43		0.071
ENGWESA007	6/23/2015 10:05	UG/M3	0.25		0.092	0.33		0.081	0.52		0.076
ENGWESA007	7/8/2015 14:57	UG/M3	0.24		0.079	0.27		0.069	0.38		0.065
ENGWESA007	7/22/2015 10:40	UG/M3	0.21		0.087	0.31	J	0.076	0.36		0.072
ENGWESA007 FD	7/22/2015 10:40	UG/M3	0.24		0.086	0.48	J	0.076	0.37		0.072
ENGWESA007	8/5/2015 9:29	UG/M3	0.28		0.086	0.43		0.075	0.45		0.071
ENGWESA007	8/19/2015 19:45	UG/M3	0.22	J+	0.085	0.55		0.075	0.41		0.071
ENGWESA007	9/2/2015 10:05	UG/M3	0.28		0.085	0.62	J+	0.075	0.46		0.071
ENGWESA007	9/16/2015 13:22	UG/M3	0.26		0.085	0.44		0.074	0.41		0.07
ENGWESA007 FD	9/16/2015 13:22	UG/M3	0.27		0.085	0.45		0.074	0.51		0.07
ENGWESA007	9/30/2015 10:19	UG/M3	0.35	J+	0.086	0.64	J+	0.076	0.58		0.072
ENGWESA007	10/14/2015 15:00	UG/M3	0.23		0.084	0.3		0.074	0.34		0.07
ENGWESA007	10/27/2015 15:00	UG/M3	0.29		0.092	0.37		0.081	0.47		0.076
ENGWESA007	11/9/2015 10:00	UG/M3	0.29		0.094	0.57		0.082	0.4		0.078
ENGWESA007	11/25/2015 12:26	UG/M3	0.34		0.074	0.61		0.065	0.5		0.062
ENGWESA007	12/8/2015 11:07	UG/M3	0.29		0.092	0.62		0.081	0.42		0.077
ENGWESA007 FD	12/8/2015 11:07	UG/M3	0.26		0.092	0.62		0.081	0.41		0.077
ENGWESA007	12/23/2015 9:43	UG/M3	0.27		0.08	0.64	J-	0.07	0.34		0.066
ENGWESA007	1/8/2016 13:12	UG/M3	0.16		0.074	0.22	J-	0.065	0.15		0.061
ENGWESA007	1/20/2016 11:06	UG/M3	0.21		0.1	0.4		0.088	0.27		0.083
ENGWESA007 FD	1/20/2016 11:06	UG/M3	0.22		0.1	0.28		0.088	0.28		0.083
ENGWESA007	2/3/2016 11:09	UG/M3	0.26		0.086	0.39	J+	0.075	0.27		0.071
ENGWESA007	2/17/2016 9:51	UG/M3	0.22		0.086	0.42		0.075	0.3		0.071
ENGWESA007	3/2/2016 14:44	UG/M3	0.2		0.084	0.25		0.074	0.26		0.07
ENGWESA007	3/16/2016 7:30	UG/M3	0.21		0.087	0.36	J+	0.077	0.32		0.072
ENGWESA007	3/30/2016 12:41	UG/M3	0.18		0.084	0.21	J+	0.074	0.21		0.07
ENGWESA007 FD	3/30/2016 12:41	UG/M3	0.19		0.084	0.23	J+	0.074	0.22		0.07
ENGWESA007	4/13/2016 14:22	UG/M3	0.13		0.085	0.23		0.075	0.24		0.07
ENGWESA007	4/28/2016 10:53	UG/M3	0.32		0.081	0.6		0.071	0.5		0.067
ENGWESA007	5/11/2016 10:44	UG/M3	0.19		0.1	0.27		0.1	0.3		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	0.26		0.1	0.37		0.1	0.36		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	0.23		0.1	0.42	J	0.1	0.42		0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	0.2		0.1	0.24	J	0.1	0.44		0.1
ENGWESA007	6/23/2016 13:30	UG/M3	0.35		0.1	0.36		0.1	0.66		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	0.27		0.1	0.33		0.1	0.27		0.1
ENGWESA007	7/20/2016 14:30	UG/M3	0.24		0.1	0.35		0.1	0.45		0.1
ENGWESA007	8/3/2016 15:00	UG/M3	0.25		0.085	0.43		0.075	0.37		0.071
ENGWESA007	8/17/2016 16:12	UG/M3	0.24		0.084	0.38		0.073	0.31		0.069
ENGWESA007 FD	8/17/2016 16:12	UG/M3	0.25		0.084	0.4		0.073	0.33		0.069
ENGWESA007	8/31/2016 8:28	UG/M3	0.29		0.088	0.43		0.077	0.52		0.073
ENGWESA007	9/14/2016 15:58	UG/M3	0.21	J+	0.082	0.4		0.072	0.42		0.068
ENGWESA007	9/28/2016 9:59	UG/M3	0.32		0.09	0.46		0.079	0.47		0.075
ENGWESA007	10/17/2016 16:07	UG/M3	0.21		0.06	0.3		0.053	0.3		0.05
ENGWESA007	10/26/2016 11:50	UG/M3	0.32		0.14	0.38		0.12	0.36		0.12
ENGWESA007	11/9/2016 13:20	UG/M3	0.4		0.09	0.52	J	0.079	0.75		0.075

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	0.44		0.093	0.67		0.082	0.61		0.077
ENGWESA007	12/7/2016 10:09	UG/M3	0.31		0.098	0.46		0.086	0.51		0.081
ENGWESA007	12/21/2016 8:33	UG/M3	0.26		0.099	0.44		0.087	0.34		0.082
ENGWESA007	1/4/2017 13:50	UG/M3	0.3		0.098	0.59		0.086	0.37		0.081
ENGWESA007 FD	1/4/2017 13:50	UG/M3	0.32		0.098	0.63		0.086	0.41		0.081
ENGWESA007	1/18/2017 12:24	UG/M3	0.26		0.094	0.44		0.082	0.25		0.078
ENGWESA007	2/1/2017 9:35	UG/M3	0.34		0.096	0.58		0.084	0.37		0.079
ENGWESA007	2/14/2017 10:11	UG/M3	0.29		0.099	0.41		0.087	0.37		0.082
ENGWESA007	3/1/2017 9:44	UG/M3	0.42		0.087	0.49		0.077	0.59		0.072
ENGWESA007	3/15/2017 12:54	UG/M3	0.18		0.097	0.27		0.085	0.24		0.08
ENGWESA007 FD	3/15/2017 12:54	UG/M3	0.19		0.097	0.24		0.085	0.26		0.08
ENGWESA007	3/29/2017 10:43	UG/M3	0.17		0.093	0.33		0.082	0.26		0.077
ENGWESA007	4/12/2017 9:55	UG/M3	0.25		0.09	0.37		0.079	0.56		0.075
ENGWESA007	4/26/2017 10:10	UG/M3	0.37		0.087	0.55	U	0.077	0.58	U	0.072
ENGWESA007	5/10/2017 6:51	UG/M3	0.25		0.088	0.42		0.077	0.46		0.073
ENGWESA007	5/24/2017 9:06	UG/M3	0.25		0.09	0.4		0.079	0.47		0.074
ENGWESA007	6/7/2017 11:00	UG/M3	0.31		0.086	0.52		0.075	0.55		0.071
ENGWESA007	6/21/2017 6:22	UG/M3	0.28		0.087	0.35		0.077	0.9		0.072
ENGWESA007	7/5/2017 7:47	UG/M3	0.18		0.085	0.25		0.075	0.4		0.07
ENGWESA007	7/19/2017 6:34	UG/M3	0.23	J-	0.085	0.27	J-	0.075	0.36		0.07
ENGWESA007	8/2/2017 6:32	UG/M3	0.27		0.087	0.37		0.076	0.52		0.072
ENGWESA007 FD	8/2/2017 6:32	UG/M3	0.29		0.087	0.34		0.076	0.52		0.072
ENGWESA007	8/16/2017 6:20	UG/M3	0.29		0.086	0.42		0.076	0.55		0.071
ENGWESA007	8/30/2017 11:13	UG/M3	0.27		0.085	0.46		0.074	0.44		0.07
ENGWESA007	9/13/2017 9:22	UG/M3	0.47		0.089	0.43		0.078	0.54		0.074
ENGWESA007	9/27/2017 7:21	UG/M3	0.3		0.089	0.42		0.078	0.68		0.074
ENGWESA007	10/11/2017 7:48	UG/M3	0.29		0.092	0.35		0.081	0.46		0.076
ENGWESA007 FD	10/11/2017 7:48	UG/M3	0.29		0.092	0.37		0.081	0.47		0.076
ENGWESA007	10/25/2017 9:35	UG/M3	0.23		0.095	0.39		0.083	0.39		0.079
ENGWESA008	5/13/2015 12:05	UG/M3	0.23		0.1	0.3		0.088	0.26		0.083
ENGWESA008	5/27/2015 16:00	UG/M3	0.12		0.084	0.19		0.074	0.22		0.07
ENGWESA008 FD	5/27/2015 16:00	UG/M3	0.11		0.084	0.21		0.074	0.2		0.07
ENGWESA008	6/10/2015 10:40	UG/M3	0.19		0.087	0.3		0.076	0.36		0.072
ENGWESA008	6/23/2015 11:45	UG/M3	0.13		0.092	0.27		0.081	0.22		0.076
ENGWESA008	7/8/2015 15:23	UG/M3	0.23		0.079	0.29		0.069	0.37		0.065
ENGWESA008	7/22/2015 11:29	UG/M3	0.18		0.086	0.34		0.076	0.29		0.072
ENGWESA008	8/5/2015 9:36	UG/M3	0.2		0.086	0.27		0.076	0.36		0.071
ENGWESA008	8/19/2015 10:18	UG/M3	0.2	J+	0.085	0.43		0.075	0.37		0.071
ENGWESA008 FD	8/19/2015 10:18	UG/M3	0.24	J+	0.085	0.42		0.075	0.34		0.071
ENGWESA008	9/2/2015 10:26	UG/M3	0.19		0.085	0.4	J+	0.075	0.34		0.071
ENGWESA008	9/16/2015 12:51	UG/M3	0.18		0.085	0.48		0.075	0.32		0.07
ENGWESA008	9/30/2015 10:04	UG/M3	0.29	J+	0.086	0.43	J+	0.076	0.38		0.071
ENGWESA008	10/14/2015 16:24	UG/M3	0.2		0.084	0.29		0.074	0.23		0.07
ENGWESA008	10/27/2015 15:19	UG/M3	0.26		0.092	0.3		0.081	0.38		0.076
ENGWESA008 FD	10/27/2015 15:19	UG/M3	0.25		0.092	0.34		0.081	0.34		0.076
ENGWESA008	11/9/2015 10:39	UG/M3	0.28		0.094	0.49		0.082	0.37		0.077
ENGWESA008	11/25/2015 12:07	UG/M3	0.3		0.074	0.66		0.066	0.46		0.062
ENGWESA008	12/8/2015 11:45	UG/M3	0.27		0.092	0.59		0.081	0.38		0.076
ENGWESA008	12/23/2015 9:30	UG/M3	0.25		0.08	0.38	J-	0.07	0.26		0.066
ENGWESA008	1/7/2016 11:12	UG/M3	0.16		0.079	0.26	J-	0.07	0.15		0.066

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	0.17		0.092	0.29		0.081	0.23		0.076
ENGWESA008	2/4/2016 10:34	UG/M3	0.25		0.08	0.34	J+	0.07	0.24		0.066
ENGWESA008 FD	2/4/2016 10:34	UG/M3	0.23		0.08	0.31	J+	0.07	0.23		0.066
ENGWESA008	2/17/2016 10:09	UG/M3	0.16		0.092	0.36		0.081	0.19		0.076
ENGWESA008	3/2/2016 8:20	UG/M3	0.18		0.08	0.26		0.07	0.19		0.066
ENGWESA008	3/16/2016 8:15	UG/M3	0.21		0.092	0.4	J+	0.081	0.33		0.076
ENGWESA008	3/31/2016 9:54	UG/M3	0.16		0.079	0.33	J+	0.07	0.21		0.066
ENGWESA008	4/13/2016 14:43	UG/M3	0.1		0.091	0.15		0.08	0.16		0.075
ENGWESA008 FD	4/13/2016 14:43	UG/M3	0.1		0.091	0.15		0.08	0.16		0.075
ENGWESA008	4/28/2016 13:23	UG/M3	0.3		0.08	0.5		0.07	0.44		0.066
ENGWESA008	5/11/2016 10:34	UG/M3	0.16		0.1	0.19		0.1	0.2		0.1
ENGWESA008	5/26/2016 13:22	UG/M3	0.19		0.1	0.37		0.1	0.25		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	0.15		0.1	0.31		0.1	0.33		0.1
ENGWESA008	6/23/2016 11:27	UG/M3	0.17		0.1	0.31		0.1	0.31		0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	0.22		0.1	0.27		0.1	0.32		0.1
ENGWESA008	7/6/2016 10:17	UG/M3	0.19		0.1	0.31		0.1	0.22		0.1
ENGWESA008	7/20/2016 12:02	UG/M3	0.18		0.1	0.32		0.1	0.27		0.1
ENGWESA008	8/3/2016 15:44	UG/M3	0.12		0.091	0.28		0.08	0.19		0.075
ENGWESA008	8/17/2016 16:37	UG/M3	0.13		0.083	0.29		0.073	0.26		0.069
ENGWESA008	8/31/2016 7:28	UG/M3	0.22		0.089	0.36		0.078	0.35		0.074
ENGWESA008 FD	8/31/2016 7:28	UG/M3	0.21		0.089	0.4		0.078	0.33		0.074
ENGWESA008	9/14/2016 16:47	UG/M3	0.15	J+	0.082	0.31		0.072	0.22		0.068
ENGWESA008	9/28/2016 10:15	UG/M3	0.24		0.09	0.38		0.079	0.32		0.075
ENGWESA008	10/17/2016 16:17	UG/M3	0.2		0.06	0.29		0.053	0.24		0.05
ENGWESA008	10/26/2016 12:14	UG/M3	0.2		0.14	0.3		0.12	0.23		0.11
ENGWESA008	11/9/2016 13:50	UG/M3	0.33		0.09	0.45	J	0.079	0.44		0.075
ENGWESA008 FD	11/9/2016 13:51	UG/M3	0.28		0.09	0.45	J	0.079	0.44		0.075
ENGWESA008	11/23/2016 11:09	UG/M3	0.26		0.093	0.48		0.081	0.4		0.077
ENGWESA008	12/7/2016 10:23	UG/M3	0.26		0.097	0.42		0.085	0.31		0.08
ENGWESA008	12/21/2016 8:39	UG/M3	0.25		0.099	0.4		0.087	0.28		0.082
ENGWESA008	1/4/2017 14:05	UG/M3	0.26		0.098	0.5		0.086	0.31		0.081
ENGWESA008	1/18/2017 11:20	UG/M3	0.23		0.095	0.43		0.084	0.24		0.079
ENGWESA008 FD	1/18/2017 11:20	UG/M3	0.24		0.095	0.41		0.084	0.27		0.079
ENGWESA008	2/1/2017 9:51	UG/M3	0.26		0.096	0.46		0.084	0.25		0.079
ENGWESA008	2/14/2017 10:28	UG/M3	0.2		0.099	0.3		0.087	0.22		0.082
ENGWESA008	3/1/2017 9:56	UG/M3	0.24		0.087	0.35		0.077	0.3		0.072
ENGWESA008	3/15/2017 13:14	UG/M3	0.15		0.096	0.2		0.084	0.17		0.08
ENGWESA008	3/29/2017 10:00	UG/M3	0.13		0.093	0.26		0.082	0.19		0.077
ENGWESA008 FD	3/29/2017 10:00	UG/M3	0.14		0.093	0.24		0.082	0.17		0.077
ENGWESA008	4/12/2017 10:00	UG/M3	0.16		0.09	0.32		0.079	0.21		0.074
ENGWESA008	4/26/2017 10:15	UG/M3	0.18		0.087	0.27	U	0.077	0.27	U	0.072
ENGWESA008	5/10/2017 6:45	UG/M3	0.17		0.089	0.26		0.078	0.26		0.073
ENGWESA008	5/24/2017 9:18	UG/M3	0.18		0.09	0.23		0.079	0.23		0.074
ENGWESA008	6/7/2017 11:16	UG/M3	0.17		0.085	0.23	J	0.075	0.29		0.071
ENGWESA008 FD	6/7/2017 11:16	UG/M3	0.18		0.085	0.53	J	0.075	0.32		0.071
ENGWESA008	6/21/2017 6:31	UG/M3	0.12		0.087	0.22		0.077	0.18		0.072
ENGWESA008	7/5/2017 7:57	UG/M3	0.14		0.085	0.24		0.075	0.25		0.07
ENGWESA008	7/19/2017 6:48	UG/M3	0.12	J-	0.085	0.23	J-	0.075	0.19		0.07
ENGWESA008	8/2/2017 6:47	UG/M3	0.18		0.087	0.3		0.076	0.26		0.072
ENGWESA008	8/16/2017 6:26	UG/M3	0.23		0.086	0.5	J	0.076	0.5	J	0.071
ENGWESA008 FD	8/16/2017 6:26	UG/M3	0.18		0.086	0.28	J	0.076	0.26	J	0.071

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	0.22		0.085	0.3		0.074	0.26		0.07
ENGWESA008	9/13/2017 9:30	UG/M3	0.23		0.089	0.55		0.078	0.38		0.074
ENGWESA008	9/27/2017 7:30	UG/M3	0.33		0.089	0.35		0.078	0.5		0.074
ENGWESA008	10/11/2017 8:00	UG/M3	0.27		0.092	0.32		0.081	0.42		0.076
ENGWESA008	10/25/2017 9:45	UG/M3	0.16		0.095	0.27		0.083	0.22		0.079
ENGWESA008 FD	10/25/2017 9:45	UG/M3	0.2		0.095	0.25		0.083	0.26		0.079
ENGWESA011	5/13/2015 11:45	UG/M3	0.2		0.098	0.21		0.086	0.23		0.082
ENGWESA011 FD	5/13/2015 11:45	UG/M3	0.2		0.098	0.26		0.086	0.23		0.082
ENGWESA011	5/27/2015 10:30	UG/M3	0.12		0.086	0.23		0.075	0.18		0.071
ENGWESA011	6/10/2015 11:23	UG/M3	0.17		0.085	0.32		0.075	0.35		0.071
ENGWESA011	6/23/2015 12:00	UG/M3	0.14		0.092	0.23		0.081	0.23		0.076
ENGWESA011	7/8/2015 14:44	UG/M3	0.14		0.079	0.24		0.07	0.31		0.066
ENGWESA011 FD	7/8/2015 14:44	UG/M3	0.16		0.079	0.34		0.07	0.3		0.066
ENGWESA011	7/22/2015 7:40	UG/M3	0.17		0.087	0.24		0.077	0.25		0.072
ENGWESA011	8/19/2015 10:36	UG/M3	0.41	J+	0.085	1.2		0.075	0.37		0.071
ENGWESA011	9/2/2015 10:33	UG/M3	0.17		0.086	0.47	J+	0.075	0.26		0.071
ENGWESA011	9/16/2015 13:37	UG/M3	0.23		0.085	0.46		0.074	0.34		0.07
ENGWESA011	9/30/2015 10:28	UG/M3	0.35	J+	0.086	0.54	J+	0.076	0.49		0.072
ENGWESA011 FD	9/30/2015 10:28	UG/M3	0.26	J+	0.086	0.78	J+	0.076	0.41		0.072
ENGWESA011	10/14/2015 14:30	UG/M3	0.18		0.084	0.22		0.074	0.22		0.07
ENGWESA011	10/27/2015 15:47	UG/M3	0.28		0.092	0.32		0.081	0.39		0.076
ENGWESA012	11/9/2015 8:43	UG/M3	0.29		0.094	0.45		0.083	0.36		0.078
ENGWESA012 FD	11/9/2015 8:43	UG/M3	0.28		0.094	0.4		0.083	0.38		0.078
ENGWESA012	11/25/2015 12:16	UG/M3	0.32		0.074	0.58		0.065	0.44		0.061
ENGWESA012	12/8/2015 10:20	UG/M3	0.27		0.093	0.43		0.081	0.34		0.077
ENGWESA012	12/23/2015 10:06	UG/M3	0.24		0.08	0.54	J-	0.07	0.27		0.066
ENGWESA012	1/7/2016 10:56	UG/M3	0.17		0.08	0.32	J-	0.07	0.15		0.066
ENGWESA012	1/20/2016 11:40	UG/M3	0.16		0.092	0.28		0.081	0.19		0.076
ENGWESA012	2/3/2016 9:45	UG/M3	0.28		0.086	0.38	J+	0.076	0.24		0.071
ENGWESA012	2/17/2016 9:02	UG/M3	0.2		0.093	0.34		0.082	0.22		0.077
ENGWESA012 FD	2/17/2016 9:02	UG/M3	0.2		0.093	0.26		0.082	0.19		0.077
ENGWESA012	3/2/2016 10:52	UG/M3	0.17		0.085	0.3		0.075	0.19		0.07
ENGWESA012	3/16/2016 8:00	UG/M3	0.21		0.086	0.27	J+	0.076	0.28		0.071
ENGWESA012	3/30/2016 9:59	UG/M3	0.16		0.085	0.23	J+	0.075	0.18		0.07
ENGWESA012	4/13/2016 13:00	UG/M3	0.14		0.085	0.2		0.074	0.19		0.07
ENGWESA012	4/27/2016 10:33	UG/M3	0.3		0.086	0.45		0.076	0.42		0.071
ENGWESA012 FD	4/27/2016 10:33	UG/M3	0.3		0.086	0.53		0.076	0.43		0.071
ENGWESA012	5/11/2016 10:10	UG/M3	0.17		0.1	0.26		0.1	0.22		0.1
ENGWESA012	5/26/2016 14:38	UG/M3	0.22		0.1	0.34		0.1	0.32		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	0.15		0.1	0.22		0.1	0.26		0.1
ENGWESA012	6/23/2016 12:53	UG/M3	0.19		0.1	0.34		0.1	0.29		0.1
ENGWESA012	7/6/2016 8:44	UG/M3	0.2		0.1	0.35		0.1	0.24		0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	0.25		0.1	0.34		0.1	0.25		0.1
ENGWESA012	7/20/2016 10:37	UG/M3	0.2		0.1	0.39		0.1	0.29		0.1
ENGWESA012	8/3/2016 15:10	UG/M3	0.15		0.084	0.28		0.074	0.23		0.07
ENGWESA012	8/17/2016 17:04	UG/M3	0.14		0.083	0.3		0.073	0.23		0.069
ENGWESA012	8/31/2016 7:52	UG/M3	0.18		0.089	0.36		0.078	0.31		0.074
ENGWESA012	9/14/2016 14:25	UG/M3	0.17	J+	0.083	0.32		0.073	0.23		0.068
ENGWESA012 FD	9/14/2016 14:25	UG/M3	0.18	J+	0.083	0.31		0.073	0.24		0.068
ENGWESA012	9/28/2016 9:33	UG/M3	0.26		0.09	0.46		0.079	0.38		0.074



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Heptane			Hexane			m,p-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	0.21		0.06	0.26		0.053	0.3		0.05
ENGWESA012	10/26/2016 11:37	UG/M3	0.25		0.14	0.35		0.12	0.3		0.12
ENGWESA012	11/9/2016 13:35	UG/M3	0.29		0.09	0.43	J	0.079	0.47		0.074
ENGWESA012	11/23/2016 10:28	UG/M3	0.34		0.093	0.5		0.082	0.44		0.077
ENGWESA012 FD	11/23/2016 10:28	UG/M3	0.42		0.093	0.51		0.082	0.52		0.077
ENGWESA012	12/7/2016 9:41	UG/M3	0.28		0.098	0.48		0.086	0.37		0.081
ENGWESA012	12/21/2016 7:52	UG/M3	0.27		0.1	0.4		0.088	0.34		0.083
ENGWESA012	1/4/2017 13:06	UG/M3	0.31		0.098	0.55		0.086	0.33		0.082
ENGWESA012	1/18/2017 11:36	UG/M3	0.23		0.094	0.47		0.083	0.24		0.078
ENGWESA012	2/1/2017 9:00	UG/M3	0.32		0.096	0.52		0.084	0.34		0.08
ENGWESA012 FD	2/1/2017 9:00	UG/M3	0.32		0.096	0.5		0.084	0.34		0.08
ENGWESA012	2/14/2017 9:33	UG/M3	0.28		0.1	0.39		0.088	0.26		0.083
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.087	0.32		0.077	0.3		0.072
ENGWESA012	3/15/2017 12:47	UG/M3	0.15		0.097	0.2		0.085	0.2		0.08
ENGWESA012	3/29/2017 10:28	UG/M3	0.24		0.093	0.36		0.082	0.25		0.077
ENGWESA012	4/12/2017 9:30	UG/M3	0.18		0.091	0.34		0.08	0.26		0.076
ENGWESA012 FD	4/12/2017 9:30	UG/M3	0.19		0.091	0.37		0.08	0.25		0.076
ENGWESA012	4/26/2017 10:01	UG/M3	0.2		0.088	0.48	U	0.077	0.3	U	0.073
ENGWESA012	10/26/2016 11:37	UG/M3	0.25		0.14	0.35		0.12	0.3		0.12
ENGWESA012	5/10/2017 7:06	UG/M3	0.14		0.088	0.22		0.077	0.22		0.073
ENGWESA012	5/24/2017 9:00	UG/M3	0.2		0.09	0.28		0.079	0.28		0.074
ENGWESA012	6/7/2017 11:27	UG/M3	0.24		0.085	0.29		0.075	0.36		0.071
ENGWESA012	6/21/2017 6:00	UG/M3	0.19		0.087	0.36		0.077	0.35		0.072
ENGWESA012 FD	6/21/2017 6:00	UG/M3	0.18		0.087	0.32		0.077	0.34		0.072
ENGWESA012	7/5/2017 8:02	UG/M3	0.13		0.085	0.23		0.075	0.26		0.07
ENGWESA012	7/19/2017 7:00	UG/M3	0.14	J-	0.085	0.18	J-	0.075	0.17		0.07
ENGWESA012	8/2/2017 7:11	UG/M3	0.18		0.087	0.25		0.076	0.22		0.072
ENGWESA012	8/16/2017 6:00	UG/M3	0.18		0.086	0.28		0.076	0.22		0.071
ENGWESA012	8/30/2017 11:29	UG/M3	0.21		0.084	0.31		0.074	0.31		0.07
ENGWESA012 FD	8/30/2017 11:29	UG/M3	0.22		0.084	0.31		0.074	0.26		0.07
ENGWESA012	9/13/2017 9:00	UG/M3	0.3		0.089	0.51		0.078	0.42		0.074
ENGWESA012	9/27/2017 7:15	UG/M3	0.3		0.089	0.36		0.078	0.51		0.074
ENGWESA012	10/11/2017 7:40	UG/M3	0.25		0.092	0.37		0.081	0.36		0.076
ENGWESA012	10/25/2017 9:00	UG/M3	0.18		0.095	0.37		0.084	0.26		0.079

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	U	0.089	ND	U	0.23	ND	U	0.089
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.075	ND	U	0.2	0.082		0.075
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.078	ND	U	0.2	0.081		0.078
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.078	ND	U	0.2	ND	U	0.078
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.076	ND	U	0.2	0.077		0.076
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.075	ND	U	0.2	0.082		0.075
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.076	ND	U	0.2	0.09		0.076
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.078	ND	U	0.2	0.1		0.078
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.076	ND	U	0.2	0.095		0.076
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.077	ND	U	0.2	0.15		0.077
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.077	ND	U	0.2	0.13		0.077
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.076	ND	U	0.2	0.095		0.076
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.076	ND	U	0.2	0.13		0.076
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.076	ND	U	0.2	0.086		0.076
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.082	ND	U	0.21	0.11		0.082
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.083	ND	U	0.22	0.13		0.083
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.067	ND	U	0.17	0.22		0.067
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.067	ND	U	0.17	0.2		0.067
ENGWESA001	12/8/2015 12:20	UG/M3	ND	U	0.082	ND	U	0.21	0.28		0.082
ENGWESA001	12/23/2015 9:15	UG/M3	ND	U	0.072	ND	U	0.19	0.12		0.072
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	U	0.072	ND	U	0.19	0.11		0.072
ENGWESA001	1/7/2016 13:56	UG/M3	ND	U	0.07	ND	U	0.18	0.074		0.07
ENGWESA001	1/20/2016 11:58	UG/M3	ND	U	0.083	ND	U	0.22	0.09		0.083
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.076	ND	U	0.2	0.083		0.076
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.077	ND	U	0.2	ND	U	0.077
ENGWESA001	3/2/2016 8:28	UG/M3	ND	U	0.077	ND	U	0.2	ND	U	0.077
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	U	0.077	ND	U	0.2	0.09		0.077
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.071	ND	U	0.18	0.074		0.071
ENGWESA001	4/13/2016 15:17	UG/M3	ND	U	0.081	ND	U	0.21	ND	U	0.081
ENGWESA001	4/27/2016 11:46	UG/M3	ND	U	0.077	ND	U	0.2	0.12		0.077
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	0.078		0.1
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/7/2016 7:47	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	0.1	ND	U	0.1	0.096		0.1
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	0.097		0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA001	8/17/2016 15:07	UG/M3	ND	U	0.075	ND	U	0.19	ND	U	0.075
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.079	ND	U	0.2	0.12		0.079
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.073	ND	U	0.19	0.073		0.073
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.08	ND	U	0.21	0.15		0.08
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.08	ND	U	0.21	0.15		0.08
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.054	ND	U	0.14	0.094		0.054
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.13	ND	U	0.33	ND	U	0.13
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.08	ND	U	0.21	0.16		0.08
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.083	ND	U	0.22	0.21		0.083
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.087	ND	U	0.23	0.23		0.087
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.089	ND	U	0.23	0.11		0.089

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.088	ND	U	0.23	0.11		0.088
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.084	ND	U	0.22	0.12		0.084
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.087	ND	U	0.23	0.22		0.087
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.085	ND	U	0.22	0.12		0.085
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.089	ND	U	0.23	0.11		0.089
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.089	ND	U	0.23	0.1		0.089
ENGWESA001	3/1/2017 8:56	UG/M3	ND	U	0.078	ND	U	0.2	0.1		0.078
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.086	ND	U	0.22	ND	U	0.086
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.083	ND	U	0.22	0.099		0.083
ENGWESA001	4/12/2017 9:42	UG/M3	ND	U	0.081	ND	U	0.21	0.1		0.081
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.078	ND	U	0.2	0.12		0.078
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.078	ND	U	0.2	0.1		0.078
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.079	ND	U	0.2	0.1		0.079
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.08	ND	U	0.21	0.097		0.08
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.08	ND	U	0.21	0.12		0.08
ENGWESA001	6/7/2017 10:13	UG/M3	ND	U	0.077	ND	U	0.2	0.15		0.077
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.078	ND	U	0.2	0.081		0.078
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.076	ND	U	0.2	0.093		0.076
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.076	ND	U	0.2	0.08		0.076
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.076	ND	U	0.2	0.093		0.076
ENGWESA001	8/2/2017 6:25	UG/M3	ND	U	0.077	ND	U	0.2	0.19		0.077
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.077	ND	U	0.2	0.12		0.077
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.08	ND	U	0.21	0.097		0.08
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.08	ND	U	0.21	0.12		0.08
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.079	ND	U	0.21	0.15		0.079
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.082	ND	U	0.21	0.12		0.082
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.085	ND	U	0.22	0.13		0.085
ENGWESA005	5/13/2015 11:35	UG/M3	ND	U	0.089	ND	U	0.23	ND	U	0.089
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.075	ND	U	0.2	ND	U	0.075
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.077	ND	U	0.2	0.092		0.077
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.082	ND	U	0.21	0.087		0.082
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.07	ND	U	0.18	0.12		0.07
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.077	ND	U	0.2	0.099		0.077
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.077	ND	U	0.2	0.12		0.077
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.076	ND	U	0.2	0.15		0.076
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.077	ND	U	0.2	0.15		0.077
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.075	ND	U	0.2	0.09		0.075
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.075	ND	U	0.2	0.081		0.075
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.082	ND	U	0.21	0.13		0.082
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.083	ND	U	0.22	0.12		0.083
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.066	ND	U	0.17	0.15		0.066
ENGWESA005	12/8/2015 11:22	UG/M3	ND	U	0.082	ND	U	0.21	0.12		0.082
ENGWESA005	12/23/2015 9:38	UG/M3	ND	U	0.072	ND	U	0.19	0.1		0.072
ENGWESA005	1/8/2016 13:00	UG/M3	ND	U	0.066	ND	U	0.17	ND	U	0.066
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	U	0.066	ND	U	0.17	ND	U	0.066

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	U	0.09	ND	U	0.23	0.091		0.09
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.076	ND	U	0.2	0.089		0.076
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.077	ND	U	0.2	0.082		0.077
ENGWESA005	3/2/2016 9:22	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.077	ND	U	0.2	0.12		0.077
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.075	ND	U	0.2	0.076		0.075
ENGWESA005	4/13/2016 14:28	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA005	4/28/2016 12:51	UG/M3	ND	U	0.072	ND	U	0.19	0.15		0.072
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	0.1	ND	U	0.1	0.093		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	ND	U	0.1	ND	U	0.1	0.14		0.1
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	0.1	ND	U	0.1	0.12		0.1
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA005	8/3/2016 14:50	UG/M3	ND	U	0.076	ND	U	0.2	0.08		0.076
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA005	8/17/2016 15:43	UG/M3	ND	U	0.075	ND	U	0.19	0.089		0.075
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.078	ND	U	0.2	0.12		0.078
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.073	ND	U	0.19	0.079		0.073
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.08	ND	U	0.21	0.14		0.08
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.054	ND	U	0.14	0.083		0.054
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.054	ND	U	0.14	0.092		0.054
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.12	ND	U	0.32	ND	U	0.12
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.08	ND	U	0.21	0.18		0.08
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.083	ND	U	0.22	0.16		0.083
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.086	ND	U	0.22	0.13		0.086
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.089	ND	U	0.23	0.11		0.089
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.087	ND	U	0.23	0.11		0.087
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.084	ND	U	0.22	0.084		0.084
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.085	ND	U	0.22	0.11		0.085
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.088	ND	U	0.23	0.097		0.088
ENGWESA005	3/1/2017 8:39	UG/M3	ND	U	0.078	ND	U	0.2	0.11		0.078
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	U	0.078	ND	U	0.2	0.11		0.078
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.086	ND	U	0.22	ND	U	0.086
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.083	ND	U	0.22	ND	U	0.083
ENGWESA005	4/12/2017 9:58	UG/M3	ND	U	0.08	ND	U	0.21	0.1		0.08
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.078	ND	U	0.2	0.13		0.078
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.079	ND	U	0.2	0.13		0.079
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.079	ND	U	0.2	0.12		0.079
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.08	ND	U	0.21	0.1		0.08
ENGWESA005	6/7/2017 11:08	UG/M3	ND	U	0.076	ND	U	0.2	0.13		0.076
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.078	ND	U	0.2	0.12		0.078
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.076	ND	U	0.2	0.14		0.076
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.076	ND	U	0.2	0.081		0.076
ENGWESA005	8/2/2017 6:40	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.08	ND	U	0.21	0.13		0.08

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.08	ND	U	0.21	0.19		0.08
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.08	ND	U	0.21	0.15		0.08
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.082	ND	U	0.21	0.18		0.082
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.085	ND	U	0.22	0.12		0.085
ENGWESA007	5/13/2015 11:25	UG/M3	ND	U	0.089	ND	U	0.23	0.13		0.089
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.076	ND	U	0.2	0.085		0.076
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.077	ND	U	0.2	0.14		0.077
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.082	ND	U	0.21	0.16		0.082
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.07	ND	U	0.18	0.13		0.07
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.077	ND	U	0.2	0.14		0.077
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.076	ND	U	0.2	0.13		0.076
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.076	ND	U	0.2	0.18		0.076
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.076	ND	U	0.2	0.16		0.076
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.077	ND	U	0.2	0.19		0.077
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.075	ND	U	0.2	0.11		0.075
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.082	ND	U	0.21	0.15		0.082
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.084	ND	U	0.22	0.15		0.084
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.066	ND	U	0.17	0.16		0.066
ENGWESA007	12/8/2015 11:07	UG/M3	ND	U	0.082	ND	U	0.21	0.14		0.082
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	U	0.082	ND	U	0.21	0.13		0.082
ENGWESA007	12/23/2015 9:43	UG/M3	ND	U	0.072	ND	U	0.18	0.13		0.072
ENGWESA007	1/8/2016 13:12	UG/M3	ND	U	0.066	ND	U	0.17	ND	U	0.066
ENGWESA007	1/20/2016 11:06	UG/M3	ND	U	0.09	ND	U	0.23	0.094		0.09
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	U	0.09	ND	U	0.23	0.096		0.09
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.077	ND	U	0.2	0.12		0.077
ENGWESA007	3/2/2016 14:44	UG/M3	ND	U	0.075	ND	U	0.2	0.088		0.075
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.078	ND	U	0.2	0.11		0.078
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.075	ND	U	0.2	0.081		0.075
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.075	ND	U	0.2	0.086		0.075
ENGWESA007	4/13/2016 14:22	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA007	4/28/2016 10:53	UG/M3	ND	U	0.072	ND	U	0.19	0.16		0.072
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	ND	U	0.1	ND	U	0.1	0.14		0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	U	0.1	ND	U	0.1	0.15		0.1
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	0.1	ND	U	0.1	0.21		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	0.1	ND	U	0.1	0.09		0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.1	ND	U	0.1	0.14		0.1
ENGWESA007	8/3/2016 15:00	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA007	8/17/2016 16:12	UG/M3	ND	U	0.074	ND	U	0.19	0.1		0.074
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	U	0.074	ND	U	0.19	0.11		0.074
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.078	ND	U	0.2	0.17		0.078
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.073	ND	U	0.19	0.14		0.073
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.08	ND	U	0.21	0.16		0.08
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.054	ND	U	0.14	0.1		0.054
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.12	ND	U	0.32	0.13		0.12
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.08	ND	U	0.21	0.25		0.08

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.083	ND	U	0.22	0.22		0.083
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.087	ND	U	0.23	0.15		0.087
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.088	ND	U	0.23	0.11		0.088
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.088	ND	U	0.23	0.13		0.088
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.088	ND	U	0.23	0.14		0.088
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.084	ND	U	0.22	0.094		0.084
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.085	ND	U	0.22	0.12		0.085
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.088	ND	U	0.23	0.12		0.088
ENGWESA007	3/1/2017 9:44	UG/M3	ND	U	0.078	ND	U	0.2	0.18		0.078
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.086	ND	U	0.22	ND	U	0.086
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.086	ND	U	0.22	ND	U	0.086
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.083	ND	U	0.22	0.086		0.083
ENGWESA007	4/12/2017 9:55	UG/M3	ND	U	0.08	ND	U	0.21	0.18		0.08
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.078	ND	U	0.2	0.21		0.078
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.079	ND	U	0.2	0.16		0.079
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.08	ND	U	0.21	0.14		0.08
ENGWESA007	6/7/2017 11:00	UG/M3	ND	U	0.077	ND	U	0.2	0.19		0.077
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.078	ND	U	0.2	0.27		0.078
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.076	ND	U	0.2	0.15		0.076
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.076	ND	U	0.2	0.13		0.076
ENGWESA007	8/2/2017 6:32	UG/M3	ND	U	0.077	ND	U	0.2	0.18		0.077
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	U	0.077	ND	U	0.2	0.17		0.077
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.077	ND	U	0.2	0.21		0.077
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.076	ND	U	0.2	0.16		0.076
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.08	ND	U	0.21	0.19		0.08
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.08	ND	U	0.21	0.23		0.08
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.082	ND	U	0.21	0.19		0.082
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.082	ND	U	0.21	0.19		0.082
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.085	ND	U	0.22	0.15		0.085
ENGWESA008	5/13/2015 12:05	UG/M3	ND	U	0.09	ND	U	0.23	ND	U	0.09
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.075	ND	U	0.2	ND	U	0.075
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.075	ND	U	0.2	ND	U	0.075
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.078	ND	U	0.2	0.11		0.078
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.07	ND	U	0.18	0.12		0.07
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.077	ND	U	0.2	0.092		0.077
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.077	ND	U	0.2	0.11		0.077
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.076	ND	U	0.2	0.13		0.076
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.077	ND	U	0.2	0.13		0.077
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.075	ND	U	0.19	0.086		0.075
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.082	ND	U	0.21	0.13		0.082
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.082	ND	U	0.21	0.12		0.082
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.083	ND	U	0.22	0.12		0.083
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.066	ND	U	0.17	0.16		0.066
ENGWESA008	12/8/2015 11:45	UG/M3	ND	U	0.082	ND	U	0.21	0.13		0.082
ENGWESA008	12/23/2015 9:30	UG/M3	ND	U	0.072	ND	U	0.19	0.093		0.072
ENGWESA008	1/7/2016 11:12	UG/M3	ND	U	0.071	ND	U	0.18	ND	U	0.071

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.071	ND	U	0.18	0.098		0.071
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.071	ND	U	0.18	0.086		0.071
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA008	3/2/2016 8:20	UG/M3	ND	U	0.072	ND	U	0.19	ND	U	0.072
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.082	ND	U	0.21	0.11		0.082
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.071	ND	U	0.18	0.078		0.071
ENGWESA008	4/13/2016 14:43	UG/M3	ND	U	0.081	ND	U	0.21	ND	U	0.081
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	U	0.081	ND	U	0.21	ND	U	0.081
ENGWESA008	4/28/2016 13:23	UG/M3	ND	U	0.071	ND	U	0.18	0.14		0.071
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	0.1	ND	U	0.1	0.084		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	0.1	ND	U	0.1	0.11		0.1
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.1	ND	U	0.1	0.096		0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.081	ND	U	0.21	ND	U	0.081
ENGWESA008	8/17/2016 16:37	UG/M3	ND	U	0.074	ND	U	0.19	0.087		0.074
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.079	ND	U	0.21	0.12		0.079
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.079	ND	U	0.21	0.12		0.079
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.073	ND	U	0.19	0.082		0.073
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.081	ND	U	0.21	0.12		0.081
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.054	ND	U	0.14	0.089		0.054
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.12	ND	U	0.32	ND	U	0.12
ENGWESA008	11/9/2016 13:50	UG/M3	ND	U	0.08	ND	U	0.21	0.15		0.08
ENGWESA008 FD	11/9/2016 13:51	UG/M3	ND	U	0.08	ND	U	0.21	0.17		0.08
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.083	ND	U	0.21	0.14		0.083
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.086	ND	U	0.22	0.12		0.086
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.088	ND	U	0.23	0.11		0.088
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.088	ND	U	0.23	0.11		0.088
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.085	ND	U	0.22	ND	U	0.085
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.085	ND	U	0.22	0.096		0.085
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.086	ND	U	0.22	0.095		0.086
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.088	ND	U	0.23	ND	U	0.088
ENGWESA008	3/1/2017 9:56	UG/M3	ND	U	0.078	ND	U	0.2	0.099		0.078
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.086	ND	U	0.22	ND	U	0.086
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.083	ND	U	0.22	ND	U	0.083
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.083	ND	U	0.22	ND	U	0.083
ENGWESA008	4/12/2017 10:00	UG/M3	ND	U	0.08	ND	U	0.21	ND	U	0.08
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.078	ND	U	0.2	0.1		0.078
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.079	ND	U	0.2	0.097		0.079
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.08	ND	U	0.21	ND	U	0.08
ENGWESA008	6/7/2017 11:16	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.078	ND	U	0.2	ND	U	0.078
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.076	ND	U	0.2	0.097		0.076
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA008	8/2/2017 6:47	UG/M3	ND	U	0.077	ND	U	0.2	0.098		0.077
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.077	ND	U	0.2	0.2		0.077
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.077	ND	U	0.2	0.1		0.077

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.08	ND	U	0.21	0.14		0.08
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.08	ND	U	0.21	0.17		0.08
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.082	ND	U	0.21	0.18		0.082
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.085	ND	U	0.22	ND	U	0.085
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.085	ND	U	0.22	0.1		0.085
ENGWESA011	5/13/2015 11:45	UG/M3	ND	U	0.088	ND	U	0.23	ND	U	0.088
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	U	0.088	ND	U	0.23	ND	U	0.088
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.071	ND	U	0.18	0.098		0.071
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.071	ND	U	0.18	0.1		0.071
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.078	ND	U	0.2	ND	U	0.078
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.076	ND	U	0.2	0.11		0.076
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.077	ND	U	0.2	0.17		0.077
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.077	ND	U	0.2	0.14		0.077
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.075	ND	U	0.2	0.082		0.075
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.082	ND	U	0.21	0.14		0.082
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.084	ND	U	0.22	0.14		0.084
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.084	ND	U	0.22	0.12		0.084
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.066	ND	U	0.17	0.15		0.066
ENGWESA012	12/8/2015 10:20	UG/M3	ND	U	0.083	ND	U	0.22	0.12		0.083
ENGWESA012	12/23/2015 10:06	UG/M3	ND	U	0.071	ND	U	0.18	0.1		0.071
ENGWESA012	1/7/2016 10:56	UG/M3	ND	U	0.071	ND	U	0.18	ND	U	0.071
ENGWESA012	1/20/2016 11:40	UG/M3	ND	U	0.082	ND	U	0.21	ND	U	0.082
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.077	ND	U	0.2	0.09		0.077
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.083	ND	U	0.22	0.084		0.083
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.083	ND	U	0.22	ND	U	0.083
ENGWESA012	3/2/2016 10:52	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.077	ND	U	0.2	0.097		0.077
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA012	4/13/2016 13:00	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA012	4/27/2016 10:33	UG/M3	ND	U	0.077	ND	U	0.2	0.13		0.077
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	U	0.077	ND	U	0.2	0.13		0.077
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	0.1	ND	U	0.1	0.08		0.1
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	ND	U	0.1	ND	U	0.1	0.096		0.1
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	0.1	ND	U	0.1	0.099		0.1
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	0.084		0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	0.083		0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.1	ND	U	0.1	0.1		0.1
ENGWESA012	8/3/2016 15:10	UG/M3	ND	U	0.075	ND	U	0.2	0.081		0.075
ENGWESA012	8/17/2016 17:04	UG/M3	ND	U	0.074	ND	U	0.19	0.077		0.074
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.079	ND	U	0.21	0.11		0.079
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.074	ND	U	0.19	0.084		0.074
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.074	ND	U	0.19	0.087		0.074
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.08	ND	U	0.21	0.13		0.08



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Methyl tert-butyl ether			Naphthalene			o-Xylene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.054	ND	U	0.14	0.1		0.054
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.12	ND	U	0.32	ND	U	0.12
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.08	ND	U	0.21	0.16		0.08
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.083	ND	U	0.22	0.15		0.083
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.083	ND	U	0.22	0.19		0.083
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.087	ND	U	0.23	0.13		0.087
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.089	ND	U	0.23	0.11		0.089
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.088	ND	U	0.23	0.12		0.088
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.084	ND	U	0.22	ND	U	0.084
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.086	ND	U	0.22	0.12		0.086
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.086	ND	U	0.22	0.1		0.086
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.089	ND	U	0.23	ND	U	0.089
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.078	ND	U	0.2	0.098		0.078
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.087	ND	U	0.22	ND	U	0.087
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.083	ND	U	0.22	0.086		0.083
ENGWESA012	4/12/2017 9:30	UG/M3	ND	U	0.081	ND	U	0.21	0.094		0.081
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	U	0.081	ND	U	0.21	0.089		0.081
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.078	ND	U	0.2	0.11		0.078
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.12	ND	U	0.32	ND	U	0.12
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.078	ND	U	0.2	0.078		0.078
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.08	ND	U	0.21	0.082		0.08
ENGWESA012	6/7/2017 11:27	UG/M3	ND	U	0.076	ND	U	0.2	0.12		0.076
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.078	ND	U	0.2	0.12		0.078
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.078	ND	U	0.2	0.12		0.078
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.076	ND	U	0.2	0.1		0.076
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.076	ND	U	0.2	ND	U	0.076
ENGWESA012	8/2/2017 7:11	UG/M3	ND	U	0.077	ND	U	0.2	0.083		0.077
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.077	ND	U	0.2	0.085		0.077
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.075	ND	U	0.2	0.15		0.075
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.075	ND	U	0.2	0.1		0.075
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.08	ND	U	0.21	0.16		0.08
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.08	ND	U	0.21	0.17		0.08
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.082	ND	U	0.21	0.15		0.082
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.085	ND	U	0.22	0.099		0.085

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.098
ENGWESA001	5/27/2015 16:33	UG/M3	ND	U	0.086	ND	U	0.08	0.18		0.083
ENGWESA001	6/10/2015 11:01	UG/M3	ND	U	0.088	ND	U	0.083	0.14		0.085
ENGWESA001 FD	6/10/2015 11:08	UG/M3	ND	U	0.088	ND	U	0.083	0.12		0.085
ENGWESA001	6/24/2015 12:00	UG/M3	ND	U	0.087	ND	U	0.081	0.24		0.084
ENGWESA001	7/8/2015 15:33	UG/M3	ND	U	0.086	ND	U	0.08	0.24		0.083
ENGWESA001	7/22/2015 14:24	UG/M3	ND	U	0.087	ND	U	0.082	0.15		0.084
ENGWESA001	8/5/2015 9:17	UG/M3	ND	U	0.088	ND	U	0.082	0.28		0.085
ENGWESA001	8/19/2015 11:15	UG/M3	ND	U	0.086	ND	U	0.081	0.47		0.084
ENGWESA001	9/2/2015 9:50	UG/M3	ND	U	0.087	ND	U	0.082	0.2		0.084
ENGWESA001 FD	9/2/2015 9:50	UG/M3	ND	U	0.087	ND	U	0.082	0.17		0.084
ENGWESA001	9/16/2015 11:18	UG/M3	ND	U	0.087	ND	U	0.081	0.2		0.084
ENGWESA001	9/30/2015 12:03	UG/M3	ND	U	0.087	ND	U	0.081	0.37		0.084
ENGWESA001	10/14/2015 13:56	UG/M3	ND	U	0.086	ND	U	0.081	0.45		0.084
ENGWESA001	10/27/2015 15:33	UG/M3	ND	U	0.093	ND	U	0.087	0.15		0.09
ENGWESA001	11/9/2015 11:28	UG/M3	ND	U	0.095	ND	U	0.089	0.26		0.092
ENGWESA001	11/25/2015 11:55	UG/M3	ND	U	0.076	ND	U	0.071	0.18		0.073
ENGWESA001 FD	11/25/2015 11:55	UG/M3	ND	U	0.076	ND	U	0.071	0.16		0.073
ENGWESA001	12/8/2015 12:20	UG/M3	ND	U	0.094	ND	U	0.087	ND	U	0.09
ENGWESA001	12/23/2015 9:15	UG/M3	ND	U	0.082	ND	U	0.076	0.084		0.079
ENGWESA001 FD	12/23/2015 9:15	UG/M3	ND	U	0.082	ND	U	0.076	0.079		0.079
ENGWESA001	1/7/2016 13:56	UG/M3	ND	U	0.08	ND	U	0.075	0.12		0.077
ENGWESA001	1/20/2016 11:58	UG/M3	ND	U	0.094	ND	U	0.088	0.17		0.091
ENGWESA001	2/3/2016 11:50	UG/M3	ND	U	0.087	ND	U	0.081	0.14		0.084
ENGWESA001	2/17/2016 10:22	UG/M3	ND	U	0.087	ND	U	0.082	0.33		0.084
ENGWESA001	3/2/2016 8:28	UG/M3	ND	U	0.088	ND	U	0.082	0.3		0.084
ENGWESA001 FD	3/2/2016 8:28	UG/M3	ND	U	0.088	ND	U	0.082	0.35		0.084
ENGWESA001	3/16/2016 7:45	UG/M3	ND	U	0.087	ND	U	0.081	0.17	J+	0.084
ENGWESA001	3/31/2016 10:38	UG/M3	ND	U	0.08	ND	U	0.075	0.088		0.078
ENGWESA001	4/13/2016 15:17	UG/M3	ND	U	0.092	ND	U	0.086	0.25		0.089
ENGWESA001	4/27/2016 11:46	UG/M3	ND	U	0.088	ND	U	0.082	0.1		0.085
ENGWESA001	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	0.18		0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	ND	U	0.1	ND	U	0.1	0.18		0.1
ENGWESA001	5/26/2016 11:51	UG/M3	ND	U	0.1	ND	U	0.1	0.2		0.1
ENGWESA001	6/7/2016 7:47	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	ND	U	0.1	ND	U	0.1	0.84		0.1
ENGWESA001	7/6/2016 9:41	UG/M3	ND	U	0.1	ND	U	0.1	0.15		0.1
ENGWESA001	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	0.2		0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	ND	U	0.1	ND	U	0.1	0.2		0.1
ENGWESA001	8/3/2016 15:24	UG/M3	ND	U	0.086	ND	U	0.081	0.28		0.083
ENGWESA001	8/17/2016 15:07	UG/M3	ND	U	0.085	ND	U	0.08	ND	U	0.082
ENGWESA001	8/31/2016 8:12	UG/M3	ND	U	0.09	ND	U	0.084	0.088		0.087
ENGWESA001	9/14/2016 15:16	UG/M3	ND	U	0.084	ND	U	0.078	ND	U	0.081
ENGWESA001	9/28/2016 9:45	UG/M3	ND	U	0.092	ND	U	0.086	0.25		0.089
ENGWESA001 FD	9/28/2016 9:45	UG/M3	ND	U	0.092	ND	U	0.086	0.26		0.089
ENGWESA001	10/17/2016 14:57	UG/M3	ND	U	0.062	ND	U	0.058	0.13		0.059
ENGWESA001	10/26/2016 10:20	UG/M3	ND	U	0.14	ND	U	0.14	ND	U	0.14
ENGWESA001	11/9/2016 14:15	UG/M3	ND	U	0.091	ND	U	0.085	0.17		0.088
ENGWESA001	11/23/2016 10:45	UG/M3	ND	U	0.095	ND	U	0.089	0.28		0.092
ENGWESA001	12/7/2016 9:57	UG/M3	ND	U	0.099	ND	U	0.093	0.19		0.096
ENGWESA001	12/21/2016 8:19	UG/M3	ND	U	0.1	ND	U	0.095	0.24	J+	0.098

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	ND	U	0.1	ND	U	0.093	0.14		0.096
ENGWESA001	1/18/2017 11:53	UG/M3	ND	U	0.096	ND	U	0.09	0.19		0.093
ENGWESA001 FD	12/7/2016 9:57	UG/M3	ND	U	0.099	ND	U	0.093	0.19		0.096
ENGWESA001	2/1/2017 9:17	UG/M3	ND	U	0.097	ND	U	0.091	0.14		0.094
ENGWESA001	2/14/2017 9:50	UG/M3	ND	U	0.1	ND	U	0.095	0.26		0.098
ENGWESA001 FD	2/14/2017 9:50	UG/M3	ND	U	0.1	ND	U	0.095	0.24		0.098
ENGWESA001	3/1/2017 8:56	UG/M3	ND	U	0.089	ND	U	0.083	0.22		0.086
ENGWESA001	3/15/2017 12:34	UG/M3	ND	U	0.099	ND	U	0.092	0.36		0.095
ENGWESA001	3/29/2017 9:33	UG/M3	ND	U	0.095	ND	U	0.089	0.14		0.092
ENGWESA001	4/12/2017 9:42	UG/M3	ND	U	0.092	ND	U	0.086	0.32		0.089
ENGWESA001	4/26/2017 9:45	UG/M3	ND	U	0.089	ND	U	0.083	0.11		0.086
ENGWESA001 FD	4/26/2017 9:45	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA001	5/10/2017 6:21	UG/M3	ND	U	0.09	ND	U	0.084	0.12		0.087
ENGWESA001	5/24/2017 9:38	UG/M3	ND	U	0.091	ND	U	0.085	0.26		0.088
ENGWESA001 FD	5/24/2017 9:06	UG/M3	ND	U	0.091	ND	U	0.085	0.24		0.088
ENGWESA001	6/7/2017 10:13	UG/M3	ND	U	0.088	ND	U	0.082	0.3		0.085
ENGWESA001	6/21/2017 6:12	UG/M3	ND	U	0.088	ND	U	0.083	0.19		0.086
ENGWESA001	7/5/2017 7:37	UG/M3	ND	U	0.087	ND	U	0.081	0.22		0.084
ENGWESA001 FD	7/5/2017 7:37	UG/M3	ND	U	0.087	ND	U	0.081	0.17		0.084
ENGWESA001	7/19/2017 6:24	UG/M3	ND	U	0.086	ND	U	0.081	0.25		0.084
ENGWESA001	8/2/2017 6:25	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA001	8/16/2017 6:13	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.084
ENGWESA001	8/30/2017 11:03	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA001	9/13/2017 9:13	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA001 FD	9/13/2017 9:13	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA001	9/27/2017 7:39	UG/M3	ND	U	0.091	ND	U	0.085	0.096		0.088
ENGWESA001	10/11/2017 8:08	UG/M3	ND	U	0.093	ND	U	0.087	0.14		0.09
ENGWESA001	10/25/2017 9:20	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.093
ENGWESA005	5/13/2015 11:35	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.098
ENGWESA005	5/27/2015 15:14	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA005	6/10/2015 10:13	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA005	6/23/2015 10:50	UG/M3	ND	U	0.094	ND	U	0.087	ND	U	0.09
ENGWESA005 FD	6/23/2015 10:50	UG/M3	ND	U	0.094	ND	U	0.087	ND	U	0.09
ENGWESA005	7/8/2015 15:13	UG/M3	ND	U	0.08	ND	U	0.075	ND	U	0.078
ENGWESA005	7/22/2015 11:04	UG/M3	ND	U	0.088	ND	U	0.082	0.088		0.085
ENGWESA005	8/5/2015 9:30	UG/M3	ND	U	0.087	ND	U	0.082	ND	U	0.084
ENGWESA005 FD	8/5/2015 9:30	UG/M3	ND	U	0.087	ND	U	0.082	ND	U	0.084
ENGWESA005	8/19/2015 10:00	UG/M3	ND	U	0.087	ND	U	0.081	0.094		0.084
ENGWESA005	9/2/2015 10:15	UG/M3	ND	U	0.087	ND	U	0.081	0.1		0.084
ENGWESA005	9/16/2015 13:07	UG/M3	ND	U	0.086	ND	U	0.081	0.098		0.083
ENGWESA005	9/30/2015 10:11	UG/M3	ND	U	0.088	ND	U	0.082	0.14		0.085
ENGWESA005	10/14/2015 15:25	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA005 FD	10/14/2015 15:25	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA005	10/27/2015 15:10	UG/M3	ND	U	0.094	ND	U	0.088	0.099		0.091
ENGWESA005	11/9/2015 10:22	UG/M3	ND	U	0.095	ND	U	0.089	0.13		0.092
ENGWESA005	11/25/2015 11:45	UG/M3	ND	U	0.076	ND	U	0.071	0.09		0.073
ENGWESA005	12/8/2015 11:22	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.091
ENGWESA005	12/23/2015 9:38	UG/M3	ND	U	0.082	ND	U	0.076	ND	U	0.079
ENGWESA005	1/8/2016 13:00	UG/M3	ND	U	0.075	ND	U	0.07	ND	U	0.073
ENGWESA005 FD	1/8/2016 13:00	UG/M3	ND	U	0.075	ND	U	0.07	ND	U	0.073

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.099
ENGWESA005	2/3/2016 11:23	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005	2/17/2016 10:02	UG/M3	ND	U	0.087	ND	U	0.082	ND	U	0.084
ENGWESA005	3/2/2016 9:22	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005	3/16/2016 7:15	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA005 FD	3/16/2016 7:15	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA005	3/30/2016 13:03	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA005	4/13/2016 14:28	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005	4/28/2016 12:51	UG/M3	ND	U	0.082	ND	U	0.076	0.1		0.079
ENGWESA005	5/11/2016 10:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	5/26/2016 13:50	UG/M3	ND	U	0.1	ND	U	0.1	0.092		0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	ND	U	0.1	ND	U	0.1	0.082		0.1
ENGWESA005	6/7/2016 7:01	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	6/23/2016 13:56	UG/M3	ND	U	0.1	ND	U	0.1	0.08		0.1
ENGWESA005	7/6/2016 9:24	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	7/20/2016 15:00	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA005	8/3/2016 14:50	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005 FD	8/3/2016 14:50	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005	8/17/2016 15:43	UG/M3	ND	U	0.085	ND	U	0.08	ND	U	0.082
ENGWESA005	8/31/2016 8:35	UG/M3	ND	U	0.089	ND	U	0.084	0.091		0.086
ENGWESA005	9/14/2016 16:15	UG/M3	ND	U	0.083	ND	U	0.078	ND	U	0.08
ENGWESA005	9/28/2016 10:06	UG/M3	ND	U	0.092	ND	U	0.086	0.1		0.089
ENGWESA005	10/17/2016 14:39	UG/M3	ND	U	0.062	ND	U	0.058	0.064		0.06
ENGWESA005 FD	10/17/2016 14:39	UG/M3	ND	U	0.062	ND	U	0.058	0.068		0.06
ENGWESA005	10/26/2016 12:03	UG/M3	ND	U	0.14	ND	U	0.13	ND	U	0.14
ENGWESA005	11/9/2016 13:28	UG/M3	ND	U	0.092	ND	U	0.086	0.09		0.088
ENGWESA005	11/23/2016 11:04	UG/M3	ND	U	0.095	ND	U	0.088	0.13		0.091
ENGWESA005	12/7/2016 10:15	UG/M3	ND	U	0.098	ND	U	0.092	0.098		0.095
ENGWESA005	12/21/2016 8:03	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.098
ENGWESA005	1/4/2017 13:57	UG/M3	ND	U	0.1	ND	U	0.093	ND	U	0.096
ENGWESA005	1/18/2017 12:33	UG/M3	ND	U	0.095	ND	U	0.089	ND	U	0.092
ENGWESA005	2/1/2017 9:43	UG/M3	ND	U	0.097	ND	U	0.091	ND	U	0.094
ENGWESA005	2/14/2017 10:15	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA005	3/1/2017 8:39	UG/M3	ND	U	0.089	ND	U	0.083	0.091		0.086
ENGWESA005 FD	3/1/2017 8:39	UG/M3	ND	U	0.089	ND	U	0.083	0.097		0.086
ENGWESA005	3/15/2017 13:01	UG/M3	ND	U	0.098	ND	U	0.092	ND	U	0.095
ENGWESA005	3/29/2017 10:49	UG/M3	ND	U	0.095	ND	U	0.088	ND	U	0.091
ENGWESA005	4/12/2017 9:58	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.089
ENGWESA005	4/26/2017 10:13	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA005	5/10/2017 6:35	UG/M3	ND	U	0.09	ND	U	0.084	0.09		0.087
ENGWESA005 FD	5/10/2017 6:35	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.087
ENGWESA005	5/24/2017 9:12	UG/M3	ND	U	0.091	ND	U	0.085	0.18		0.088
ENGWESA005	6/7/2017 11:08	UG/M3	ND	U	0.087	ND	U	0.081	0.086		0.084
ENGWESA005	6/21/2017 6:25	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA005	7/5/2017 7:48	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA005	7/19/2017 6:40	UG/M3	ND	U	0.086	ND	U	0.081	0.092		0.084
ENGWESA005 FD	7/19/2017 6:40	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.084
ENGWESA005	8/2/2017 6:40	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA005	8/16/2017 6:23	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.084
ENGWESA005	8/30/2017 11:17	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA005	9/13/2017 9:26	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	ND	U	0.091	ND	U	0.085	0.09		0.088
ENGWESA005 FD	9/27/2017 7:25	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA005	10/11/2017 7:53	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA005	10/25/2017 9:40	UG/M3	ND	U	0.096	ND	U	0.09	ND	U	0.093
ENGWESA007	5/13/2015 11:25	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.098
ENGWESA007	5/27/2015 12:32	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA007	6/10/2015 10:03	UG/M3	ND	U	0.088	ND	U	0.082	0.093		0.085
ENGWESA007	6/23/2015 10:05	UG/M3	ND	U	0.094	ND	U	0.088	0.1		0.09
ENGWESA007	7/8/2015 14:57	UG/M3	ND	U	0.08	ND	U	0.075	0.086		0.077
ENGWESA007	7/22/2015 10:40	UG/M3	ND	U	0.088	ND	U	0.082	0.1		0.085
ENGWESA007 FD	7/22/2015 10:40	UG/M3	ND	U	0.088	ND	U	0.082	0.1		0.085
ENGWESA007	8/5/2015 9:29	UG/M3	ND	U	0.087	ND	U	0.082	0.11		0.084
ENGWESA007	8/19/2015 19:45	UG/M3	ND	U	0.087	ND	U	0.081	0.097		0.084
ENGWESA007	9/2/2015 10:05	UG/M3	ND	U	0.087	ND	U	0.081	0.12		0.084
ENGWESA007	9/16/2015 13:22	UG/M3	ND	U	0.086	ND	U	0.08	0.12		0.083
ENGWESA007 FD	9/16/2015 13:22	UG/M3	ND	U	0.086	ND	U	0.08	0.15		0.083
ENGWESA007	9/30/2015 10:19	UG/M3	ND	U	0.088	ND	U	0.082	0.17		0.085
ENGWESA007	10/14/2015 15:00	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA007	10/27/2015 15:00	UG/M3	ND	U	0.094	ND	U	0.088	0.1		0.09
ENGWESA007	11/9/2015 10:00	UG/M3	ND	U	0.095	ND	U	0.089	0.15		0.092
ENGWESA007	11/25/2015 12:26	UG/M3	ND	U	0.076	ND	U	0.071	0.1		0.073
ENGWESA007	12/8/2015 11:07	UG/M3	ND	U	0.094	ND	U	0.088	0.098		0.091
ENGWESA007 FD	12/8/2015 11:07	UG/M3	ND	U	0.094	ND	U	0.088	0.097		0.091
ENGWESA007	12/23/2015 9:43	UG/M3	ND	U	0.082	ND	U	0.076	0.088		0.079
ENGWESA007	1/8/2016 13:12	UG/M3	ND	U	0.075	ND	U	0.07	ND	U	0.073
ENGWESA007	1/20/2016 11:06	UG/M3	ND	U	0.1	ND	U	0.096	ND	U	0.099
ENGWESA007 FD	1/20/2016 11:06	UG/M3	ND	U	0.1	ND	U	0.096	ND	U	0.099
ENGWESA007	2/3/2016 11:09	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA007	2/17/2016 9:51	UG/M3	ND	U	0.087	ND	U	0.082	ND	U	0.084
ENGWESA007	3/2/2016 14:44	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA007	3/16/2016 7:30	UG/M3	ND	U	0.089	ND	U	0.083	0.093	U	0.086
ENGWESA007	3/30/2016 12:41	UG/M3	ND	U	0.086	ND	U	0.08	0.083		0.083
ENGWESA007 FD	3/30/2016 12:41	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA007	4/13/2016 14:22	UG/M3	ND	U	0.086	ND	U	0.081	0.1		0.084
ENGWESA007	4/28/2016 10:53	UG/M3	ND	U	0.082	ND	U	0.077	0.14		0.079
ENGWESA007	5/11/2016 10:44	UG/M3	ND	U	0.1	ND	U	0.1	0.096		0.1
ENGWESA007	5/26/2016 14:14	UG/M3	ND	U	0.1	ND	U	0.1	0.13		0.1
ENGWESA007	6/7/2016 6:49	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA007	6/23/2016 13:30	UG/M3	ND	U	0.1	ND	U	0.1	0.12		0.1
ENGWESA007	7/6/2016 9:15	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA007	7/20/2016 14:30	UG/M3	ND	U	0.1	ND	U	0.1	0.13		0.1
ENGWESA007	8/3/2016 15:00	UG/M3	ND	U	0.087	ND	U	0.081	0.093		0.084
ENGWESA007	8/17/2016 16:12	UG/M3	ND	U	0.085	ND	U	0.079	ND	U	0.082
ENGWESA007 FD	8/17/2016 16:12	UG/M3	ND	U	0.085	ND	U	0.079	0.084		0.082
ENGWESA007	8/31/2016 8:28	UG/M3	ND	U	0.09	ND	U	0.084	0.11		0.086
ENGWESA007	9/14/2016 15:58	UG/M3	ND	U	0.083	ND	U	0.078	ND	U	0.081
ENGWESA007	9/28/2016 9:59	UG/M3	ND	U	0.092	ND	U	0.086	0.13		0.089
ENGWESA007	10/17/2016 16:07	UG/M3	ND	U	0.061	ND	U	0.057	0.066		0.059
ENGWESA007	10/26/2016 11:50	UG/M3	ND	U	0.14	ND	U	0.13	ND	U	0.14
ENGWESA007	11/9/2016 13:20	UG/M3	ND	U	0.092	ND	U	0.086	0.14		0.088

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	ND	U	0.095	ND	U	0.088	0.16		0.092
ENGWESA007	12/7/2016 10:09	UG/M3	ND	U	0.099	ND	U	0.093	0.12		0.096
ENGWESA007	12/21/2016 8:33	UG/M3	ND	U	0.1	ND	U	0.094	0.1	J+	0.097
ENGWESA007	1/4/2017 13:50	UG/M3	ND	U	0.1	ND	U	0.093	0.12		0.096
ENGWESA007 FD	1/4/2017 13:50	UG/M3	ND	U	0.1	ND	U	0.093	0.12		0.096
ENGWESA007	1/18/2017 12:24	UG/M3	ND	U	0.095	ND	U	0.089	ND	U	0.092
ENGWESA007	2/1/2017 9:35	UG/M3	ND	U	0.097	ND	U	0.091	0.16		0.094
ENGWESA007	2/14/2017 10:11	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA007	3/1/2017 9:44	UG/M3	ND	U	0.089	ND	U	0.083	0.16		0.086
ENGWESA007	3/15/2017 12:54	UG/M3	ND	U	0.098	ND	U	0.092	0.11		0.095
ENGWESA007 FD	3/15/2017 12:54	UG/M3	ND	U	0.098	ND	U	0.092	0.12		0.095
ENGWESA007	3/29/2017 10:43	UG/M3	ND	U	0.095	ND	U	0.088	0.12		0.091
ENGWESA007	4/12/2017 9:55	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.089
ENGWESA007	4/26/2017 10:10	UG/M3	ND	U	0.089	ND	U	0.083	0.1		0.086
ENGWESA007	5/10/2017 6:51	UG/M3	ND	U	0.09	ND	U	0.084	0.12		0.087
ENGWESA007	5/24/2017 9:06	UG/M3	ND	U	0.091	ND	U	0.085	0.25		0.088
ENGWESA007	6/7/2017 11:00	UG/M3	ND	U	0.087	ND	U	0.082	0.11		0.084
ENGWESA007	6/21/2017 6:22	UG/M3	ND	U	0.089	ND	U	0.083	0.14		0.086
ENGWESA007	7/5/2017 7:47	UG/M3	ND	U	0.087	ND	U	0.081	0.086		0.084
ENGWESA007	7/19/2017 6:34	UG/M3	ND	U	0.086	ND	U	0.081	0.14		0.084
ENGWESA007	8/2/2017 6:32	UG/M3	ND	U	0.088	ND	U	0.082	0.094		0.085
ENGWESA007 FD	8/2/2017 6:32	UG/M3	ND	U	0.088	ND	U	0.082	0.13		0.085
ENGWESA007	8/16/2017 6:20	UG/M3	ND	U	0.088	ND	U	0.082	0.091		0.084
ENGWESA007	8/30/2017 11:13	UG/M3	ND	U	0.086	ND	U	0.08	0.096		0.083
ENGWESA007	9/13/2017 9:22	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA007	9/27/2017 7:21	UG/M3	ND	U	0.091	ND	U	0.085	0.11		0.088
ENGWESA007	10/11/2017 7:48	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA007 FD	10/11/2017 7:48	UG/M3	ND	U	0.093	ND	U	0.087	0.094		0.09
ENGWESA007	10/25/2017 9:35	UG/M3	ND	U	0.096	ND	U	0.09	0.1		0.093
ENGWESA008	5/13/2015 12:05	UG/M3	ND	U	0.1	ND	U	0.096	ND	U	0.099
ENGWESA008	5/27/2015 16:00	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA008 FD	5/27/2015 16:00	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA008	6/10/2015 10:40	UG/M3	ND	U	0.088	ND	U	0.083	ND	U	0.085
ENGWESA008	6/23/2015 11:45	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA008	7/8/2015 15:23	UG/M3	ND	U	0.08	ND	U	0.075	ND	U	0.078
ENGWESA008	7/22/2015 11:29	UG/M3	ND	U	0.088	ND	U	0.082	0.1		0.085
ENGWESA008	8/5/2015 9:36	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.084
ENGWESA008	8/19/2015 10:18	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008 FD	8/19/2015 10:18	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008	9/2/2015 10:26	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008	9/16/2015 12:51	UG/M3	ND	U	0.086	ND	U	0.081	0.1		0.083
ENGWESA008	9/30/2015 10:04	UG/M3	ND	U	0.088	ND	U	0.082	0.15		0.085
ENGWESA008	10/14/2015 16:24	UG/M3	ND	U	0.085	ND	U	0.08	ND	U	0.082
ENGWESA008	10/27/2015 15:19	UG/M3	ND	U	0.094	ND	U	0.088	0.1		0.091
ENGWESA008 FD	10/27/2015 15:19	UG/M3	ND	U	0.094	ND	U	0.088	0.094		0.091
ENGWESA008	11/9/2015 10:39	UG/M3	ND	U	0.095	ND	U	0.089	0.13		0.092
ENGWESA008	11/25/2015 12:07	UG/M3	ND	U	0.076	ND	U	0.071	0.08		0.073
ENGWESA008	12/8/2015 11:45	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.091
ENGWESA008	12/23/2015 9:30	UG/M3	ND	U	0.082	ND	U	0.076	ND	U	0.079
ENGWESA008	1/7/2016 11:12	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.078

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.09
ENGWESA008	2/4/2016 10:34	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.079
ENGWESA008 FD	2/4/2016 10:34	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.079
ENGWESA008	2/17/2016 10:09	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.091
ENGWESA008	3/2/2016 8:20	UG/M3	ND	U	0.082	ND	U	0.076	ND	U	0.079
ENGWESA008	3/16/2016 8:15	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.09
ENGWESA008	3/31/2016 9:54	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.078
ENGWESA008	4/13/2016 14:43	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.089
ENGWESA008 FD	4/13/2016 14:43	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.089
ENGWESA008	4/28/2016 13:23	UG/M3	ND	U	0.082	ND	U	0.076	0.095		0.079
ENGWESA008	5/11/2016 10:34	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	5/26/2016 13:22	UG/M3	ND	U	0.1	ND	U	0.1	0.08		0.1
ENGWESA008	6/7/2016 7:11	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	6/23/2016 11:27	UG/M3	ND	U	0.1	ND	U	0.1	0.074		0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	ND	U	0.1	ND	U	0.1	0.076		0.1
ENGWESA008	7/6/2016 10:17	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	7/20/2016 12:02	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA008	8/3/2016 15:44	UG/M3	ND	U	0.093	ND	U	0.086	ND	U	0.09
ENGWESA008	8/17/2016 16:37	UG/M3	ND	U	0.085	ND	U	0.079	ND	U	0.082
ENGWESA008	8/31/2016 7:28	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.087
ENGWESA008 FD	8/31/2016 7:28	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.087
ENGWESA008	9/14/2016 16:47	UG/M3	ND	U	0.083	ND	U	0.078	ND	U	0.08
ENGWESA008	9/28/2016 10:15	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.089
ENGWESA008	10/17/2016 16:17	UG/M3	ND	U	0.061	ND	U	0.057	ND	U	0.059
ENGWESA008	10/26/2016 12:14	UG/M3	ND	U	0.14	ND	U	0.13	ND	U	0.14
ENGWESA008	11/9/2016 13:50	UG/M3	0.11		0.092	ND	U	0.086	ND	U	0.088
ENGWESA008 FD	11/9/2016 13:51	UG/M3	0.093		0.092	ND	U	0.086	ND	U	0.088
ENGWESA008	11/23/2016 11:09	UG/M3	ND	U	0.094	ND	U	0.088	0.13		0.091
ENGWESA008	12/7/2016 10:23	UG/M3	ND	U	0.098	ND	U	0.092	ND	U	0.095
ENGWESA008	12/21/2016 8:39	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA008	1/4/2017 14:05	UG/M3	ND	U	0.1	ND	U	0.093	ND	U	0.096
ENGWESA008	1/18/2017 11:20	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.094
ENGWESA008 FD	1/18/2017 11:20	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.094
ENGWESA008	2/1/2017 9:51	UG/M3	ND	U	0.098	ND	U	0.091	ND	U	0.094
ENGWESA008	2/14/2017 10:28	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA008	3/1/2017 9:56	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA008	3/15/2017 13:14	UG/M3	ND	U	0.098	ND	U	0.091	ND	U	0.094
ENGWESA008	3/29/2017 10:00	UG/M3	ND	U	0.095	ND	U	0.089	ND	U	0.092
ENGWESA008 FD	3/29/2017 10:00	UG/M3	ND	U	0.095	ND	U	0.089	ND	U	0.092
ENGWESA008	4/12/2017 10:00	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA008	4/26/2017 10:15	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA008	5/10/2017 6:45	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.087
ENGWESA008	5/24/2017 9:18	UG/M3	ND	U	0.091	ND	U	0.085	0.14		0.088
ENGWESA008	6/7/2017 11:16	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008 FD	6/7/2017 11:16	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008	6/21/2017 6:31	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA008	7/5/2017 7:57	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA008	7/19/2017 6:48	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.084
ENGWESA008	8/2/2017 6:47	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA008	8/16/2017 6:26	UG/M3	ND	U	0.088	ND	U	0.082	0.089		0.084
ENGWESA008 FD	8/16/2017 6:26	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.084

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA008	9/13/2017 9:30	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA008	9/27/2017 7:30	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA008	10/11/2017 8:00	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA008	10/25/2017 9:45	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.093
ENGWESA008 FD	10/25/2017 9:45	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.093
ENGWESA011	5/13/2015 11:45	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA011 FD	5/13/2015 11:45	UG/M3	ND	U	0.1	ND	U	0.094	ND	U	0.097
ENGWESA011	5/27/2015 10:30	UG/M3	ND	U	0.087	ND	U	0.082	ND	U	0.084
ENGWESA011	6/10/2015 11:23	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA011	6/23/2015 12:00	UG/M3	ND	U	0.094	ND	U	0.087	ND	U	0.09
ENGWESA011	7/8/2015 14:44	UG/M3	ND	U	0.081	ND	U	0.075	ND	U	0.078
ENGWESA011 FD	7/8/2015 14:44	UG/M3	ND	U	0.081	ND	U	0.075	ND	U	0.078
ENGWESA011	7/22/2015 7:40	UG/M3	ND	U	0.089	ND	U	0.083	0.12		0.086
ENGWESA011	8/19/2015 10:36	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA011	9/2/2015 10:33	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA011	9/16/2015 13:37	UG/M3	ND	U	0.086	ND	U	0.08	0.1		0.083
ENGWESA011	9/30/2015 10:28	UG/M3	ND	U	0.088	ND	U	0.082	0.2		0.085
ENGWESA011 FD	9/30/2015 10:28	UG/M3	ND	U	0.088	ND	U	0.082	0.17		0.085
ENGWESA011	10/14/2015 14:30	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA011	10/27/2015 15:47	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA012	11/9/2015 8:43	UG/M3	ND	U	0.096	ND	U	0.09	0.12		0.093
ENGWESA012 FD	11/9/2015 8:43	UG/M3	ND	U	0.096	ND	U	0.09	0.12		0.093
ENGWESA012	11/25/2015 12:16	UG/M3	ND	U	0.075	ND	U	0.07	0.095		0.073
ENGWESA012	12/8/2015 10:20	UG/M3	ND	U	0.094	ND	U	0.088	ND	U	0.091
ENGWESA012	12/23/2015 10:06	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.078
ENGWESA012	1/7/2016 10:56	UG/M3	ND	U	0.081	ND	U	0.076	ND	U	0.078
ENGWESA012	1/20/2016 11:40	UG/M3	ND	U	0.094	ND	U	0.087	ND	U	0.09
ENGWESA012	2/3/2016 9:45	UG/M3	ND	U	0.088	ND	U	0.082	0.1		0.084
ENGWESA012	2/17/2016 9:02	UG/M3	ND	U	0.095	ND	U	0.088	ND	U	0.091
ENGWESA012 FD	2/17/2016 9:02	UG/M3	ND	U	0.095	ND	U	0.088	ND	U	0.091
ENGWESA012	3/2/2016 10:52	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.084
ENGWESA012	3/16/2016 8:00	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA012	3/30/2016 9:59	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.084
ENGWESA012	4/13/2016 13:00	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.083
ENGWESA012	4/27/2016 10:33	UG/M3	ND	U	0.088	ND	U	0.082	0.091		0.085
ENGWESA012 FD	4/27/2016 10:33	UG/M3	ND	U	0.088	ND	U	0.082	0.092		0.085
ENGWESA012	5/11/2016 10:10	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	5/26/2016 14:38	UG/M3	ND	U	0.1	ND	U	0.1	0.087		0.1
ENGWESA012	6/7/2016 6:40	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	6/23/2016 12:53	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	ND	U	0.1	ND	U	0.1	ND	U	0.1
ENGWESA012	7/20/2016 10:37	UG/M3	ND	U	0.1	ND	U	0.1	0.084		0.1
ENGWESA012	8/3/2016 15:10	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA012	8/17/2016 17:04	UG/M3	ND	U	0.084	ND	U	0.079	ND	U	0.082
ENGWESA012	8/31/2016 7:52	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.087
ENGWESA012	9/14/2016 14:25	UG/M3	ND	U	0.084	ND	U	0.078	ND	U	0.081
ENGWESA012 FD	9/14/2016 14:25	UG/M3	ND	U	0.084	ND	U	0.078	ND	U	0.081
ENGWESA012	9/28/2016 9:33	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.088



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Propylbenzene			Styrene			Tetrachloroethene		
			Result	Final Q	RL	Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	ND	U	0.061	ND	U	0.057	ND	U	0.059
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.14	ND	U	0.13	ND	U	0.14
ENGWESA012	11/9/2016 13:35	UG/M3	ND	U	0.092	ND	U	0.086	ND	U	0.088
ENGWESA012	11/23/2016 10:28	UG/M3	ND	U	0.094	ND	U	0.088	0.17		0.091
ENGWESA012 FD	11/23/2016 10:28	UG/M3	ND	U	0.094	ND	U	0.088	0.21		0.091
ENGWESA012	12/7/2016 9:41	UG/M3	ND	U	0.1	ND	U	0.093	0.1		0.096
ENGWESA012	12/21/2016 7:52	UG/M3	ND	U	0.1	ND	U	0.095	0.11	J+	0.098
ENGWESA012	1/4/2017 13:06	UG/M3	ND	U	0.1	ND	U	0.094	0.11		0.097
ENGWESA012	1/18/2017 11:36	UG/M3	ND	U	0.096	ND	U	0.09	ND	U	0.093
ENGWESA012	2/1/2017 9:00	UG/M3	ND	U	0.098	ND	U	0.091	ND	U	0.094
ENGWESA012 FD	2/1/2017 9:00	UG/M3	ND	U	0.098	ND	U	0.091	ND	U	0.094
ENGWESA012	2/14/2017 9:33	UG/M3	ND	U	0.1	ND	U	0.095	ND	U	0.098
ENGWESA012	3/1/2017 9:33	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA012	3/15/2017 12:47	UG/M3	ND	U	0.099	ND	U	0.092	ND	U	0.096
ENGWESA012	3/29/2017 10:28	UG/M3	ND	U	0.095	ND	U	0.088	ND	U	0.091
ENGWESA012	4/12/2017 9:30	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA012 FD	4/12/2017 9:30	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA012	4/26/2017 10:01	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.086
ENGWESA012	10/26/2016 11:37	UG/M3	ND	U	0.14	ND	U	0.13	ND	U	0.14
ENGWESA012	5/10/2017 7:06	UG/M3	ND	U	0.09	ND	U	0.084	ND	U	0.086
ENGWESA012	5/24/2017 9:00	UG/M3	ND	U	0.092	ND	U	0.086	0.1		0.088
ENGWESA012	6/7/2017 11:27	UG/M3	ND	U	0.087	ND	U	0.081	ND	U	0.084
ENGWESA012	6/21/2017 6:00	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA012 FD	6/21/2017 6:00	UG/M3	ND	U	0.089	ND	U	0.083	ND	U	0.086
ENGWESA012	7/5/2017 8:02	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.084
ENGWESA012	7/19/2017 7:00	UG/M3	ND	U	0.086	ND	U	0.081	ND	U	0.083
ENGWESA012	8/2/2017 7:11	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA012	8/16/2017 6:00	UG/M3	ND	U	0.088	ND	U	0.082	ND	U	0.085
ENGWESA012	8/30/2017 11:29	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA012 FD	8/30/2017 11:29	UG/M3	ND	U	0.086	ND	U	0.08	ND	U	0.083
ENGWESA012	9/13/2017 9:00	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA012	9/27/2017 7:15	UG/M3	ND	U	0.091	ND	U	0.085	ND	U	0.088
ENGWESA012	10/11/2017 7:40	UG/M3	ND	U	0.093	ND	U	0.087	ND	U	0.09
ENGWESA012	10/25/2017 9:00	UG/M3	ND	U	0.097	ND	U	0.09	ND	U	0.093

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	5/13/2015 11:05	UG/M3	0.52		0.078	ND	U	0.084
ENGWESA001	5/27/2015 16:33	UG/M3	0.43		0.066	ND	U	0.071
ENGWESA001	6/10/2015 11:01	UG/M3	0.59		0.068	ND	U	0.073
ENGWESA001 FD	6/10/2015 11:08	UG/M3	0.47		0.068	ND	U	0.073
ENGWESA001	6/24/2015 12:00	UG/M3	0.46		0.067	ND	U	0.072
ENGWESA001	7/8/2015 15:33	UG/M3	0.55		0.066	ND	U	0.071
ENGWESA001	7/22/2015 14:24	UG/M3	0.53		0.067	ND	U	0.072
ENGWESA001	8/5/2015 9:17	UG/M3	0.7		0.068	ND	U	0.073
ENGWESA001	8/19/2015 11:15	UG/M3	0.64		0.067	ND	U	0.071
ENGWESA001	9/2/2015 9:50	UG/M3	0.82		0.067	ND	U	0.072
ENGWESA001 FD	9/2/2015 9:50	UG/M3	0.71		0.067	ND	U	0.072
ENGWESA001	9/16/2015 11:18	UG/M3	0.54		0.067	ND	U	0.072
ENGWESA001	9/30/2015 12:03	UG/M3	0.79		0.067	ND	U	0.072
ENGWESA001	10/14/2015 13:56	UG/M3	0.45		0.067	ND	U	0.071
ENGWESA001	10/27/2015 15:33	UG/M3	0.64		0.072	ND	U	0.077
ENGWESA001	11/9/2015 11:28	UG/M3	0.85		0.073	ND	U	0.078
ENGWESA001	11/25/2015 11:55	UG/M3	1.3		0.058	ND	U	0.063
ENGWESA001 FD	11/25/2015 11:55	UG/M3	1.2		0.058	ND	U	0.063
ENGWESA001	12/8/2015 12:20	UG/M3	0.85		0.072	ND	U	0.077
ENGWESA001	12/23/2015 9:15	UG/M3	0.77		0.063	ND	U	0.068
ENGWESA001 FD	12/23/2015 9:15	UG/M3	0.72		0.063	ND	U	0.068
ENGWESA001	1/7/2016 13:56	UG/M3	0.5		0.062	ND	U	0.066
ENGWESA001	1/20/2016 11:58	UG/M3	0.61		0.073	ND	U	0.078
ENGWESA001	2/3/2016 11:50	UG/M3	0.59		0.067	ND	U	0.072
ENGWESA001	2/17/2016 10:22	UG/M3	0.45		0.067	ND	U	0.072
ENGWESA001	3/2/2016 8:28	UG/M3	0.56		0.067	ND	U	0.072
ENGWESA001 FD	3/2/2016 8:28	UG/M3	0.66		0.067	ND	U	0.072
ENGWESA001	3/16/2016 7:45	UG/M3	0.65		0.067	ND	U	0.072
ENGWESA001	3/31/2016 10:38	UG/M3	0.53		0.062	ND	U	0.066
ENGWESA001	4/13/2016 15:17	UG/M3	0.31		0.071	ND	U	0.076
ENGWESA001	4/27/2016 11:46	UG/M3	0.69		0.068	ND	U	0.073
ENGWESA001	5/11/2016 9:50	UG/M3	0.42		0.1	ND	U	0.1
ENGWESA001 FD	5/11/2016 9:50	UG/M3	0.44		0.1	ND	U	0.1
ENGWESA001	5/26/2016 11:51	UG/M3	0.58		0.1	ND	U	0.1
ENGWESA001	6/7/2016 7:47	UG/M3	0.43		0.1	ND	U	0.1
ENGWESA001	6/23/2016 8:12	UG/M3	0.58		0.1	ND	U	0.1
ENGWESA001	7/6/2016 9:41	UG/M3	0.46		0.1	ND	U	0.1
ENGWESA001	7/20/2016 12:25	UG/M3	0.61		0.1	ND	U	0.1
ENGWESA001 FD	7/20/2016 12:25	UG/M3	0.6		0.1	ND	U	0.1
ENGWESA001	8/3/2016 15:24	UG/M3	0.41		0.066	ND	U	0.071
ENGWESA001	8/17/2016 15:07	UG/M3	0.62		0.066	ND	U	0.07
ENGWESA001	8/31/2016 8:12	UG/M3	0.72		0.069	ND	U	0.074
ENGWESA001	9/14/2016 15:16	UG/M3	0.45		0.064	ND	U	0.069
ENGWESA001	9/28/2016 9:45	UG/M3	0.85		0.071	ND	U	0.076
ENGWESA001 FD	9/28/2016 9:45	UG/M3	0.93		0.071	ND	U	0.076
ENGWESA001	10/17/2016 14:57	UG/M3	0.61		0.047	ND	U	0.051
ENGWESA001	10/26/2016 10:20	UG/M3	0.63		0.11	ND	U	0.12
ENGWESA001	11/9/2016 14:15	UG/M3	1		0.07	ND	U	0.075
ENGWESA001	11/23/2016 10:45	UG/M3	1		0.073	ND	U	0.078
ENGWESA001	12/7/2016 9:57	UG/M3	0.74		0.077	ND	U	0.082
ENGWESA001	12/21/2016 8:19	UG/M3	0.73		0.078	ND	U	0.084

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA001	1/4/2017 13:21	UG/M3	0.63		0.077	ND	U	0.082
ENGWESA001	1/18/2017 11:53	UG/M3	0.56		0.074	ND	U	0.079
ENGWESA001 FD	12/7/2016 9:57	UG/M3	0.74		0.077	ND	U	0.082
ENGWESA001	2/1/2017 9:17	UG/M3	0.68		0.075	ND	U	0.08
ENGWESA001	2/14/2017 9:50	UG/M3	0.7		0.078	ND	U	0.084
ENGWESA001 FD	2/14/2017 9:50	UG/M3	0.65		0.078	ND	U	0.084
ENGWESA001	3/1/2017 8:56	UG/M3	0.64		0.068	ND	U	0.073
ENGWESA001	3/15/2017 12:34	UG/M3	0.36		0.076	ND	U	0.082
ENGWESA001	3/29/2017 9:33	UG/M3	0.5		0.073	ND	U	0.078
ENGWESA001	4/12/2017 9:42	UG/M3	0.59		0.071	ND	U	0.076
ENGWESA001	4/26/2017 9:45	UG/M3	0.94		0.069	ND	U	0.074
ENGWESA001 FD	4/26/2017 9:45	UG/M3	0.82		0.069	ND	U	0.074
ENGWESA001	5/10/2017 6:21	UG/M3	0.57		0.069	ND	U	0.074
ENGWESA001	5/24/2017 9:38	UG/M3	0.52	J	0.07	ND	U	0.075
ENGWESA001 FD	5/24/2017 9:06	UG/M3	0.85	J	0.07	ND	U	0.076
ENGWESA001	6/7/2017 10:13	UG/M3	0.71		0.068	ND	U	0.073
ENGWESA001	6/21/2017 6:12	UG/M3	0.52		0.068	ND	U	0.073
ENGWESA001	7/5/2017 7:37	UG/M3	0.47		0.067	ND	U	0.072
ENGWESA001 FD	7/5/2017 7:37	UG/M3	0.42		0.067	ND	U	0.072
ENGWESA001	7/19/2017 6:24	UG/M3	0.5		0.067	ND	U	0.071
ENGWESA001	8/2/2017 6:25	UG/M3	0.87		0.068	ND	U	0.073
ENGWESA001	8/16/2017 6:13	UG/M3	0.66		0.067	ND	U	0.072
ENGWESA001	8/30/2017 11:03	UG/M3	0.62		0.066	ND	U	0.071
ENGWESA001	9/13/2017 9:13	UG/M3	0.68		0.07	ND	U	0.075
ENGWESA001 FD	9/13/2017 9:13	UG/M3	0.72		0.07	ND	U	0.075
ENGWESA001	9/27/2017 7:39	UG/M3	0.85		0.07	ND	U	0.075
ENGWESA001	10/11/2017 8:08	UG/M3	0.82		0.072	ND	U	0.077
ENGWESA001	10/25/2017 9:20	UG/M3	0.83		0.074	ND	U	0.08
ENGWESA005	5/13/2015 11:35	UG/M3	0.56		0.078	ND	U	0.084
ENGWESA005	5/27/2015 15:14	UG/M3	0.43		0.066	ND	U	0.071
ENGWESA005	6/10/2015 10:13	UG/M3	0.54		0.068	ND	U	0.073
ENGWESA005	6/23/2015 10:50	UG/M3	0.48		0.072	ND	U	0.077
ENGWESA005 FD	6/23/2015 10:50	UG/M3	0.4		0.072	ND	U	0.077
ENGWESA005	7/8/2015 15:13	UG/M3	19		0.062	ND	U	0.066
ENGWESA005	7/22/2015 11:04	UG/M3	0.57		0.068	ND	U	0.073
ENGWESA005	8/5/2015 9:30	UG/M3	0.82		0.067	ND	U	0.072
ENGWESA005 FD	8/5/2015 9:30	UG/M3	0.73		0.067	ND	U	0.072
ENGWESA005	8/19/2015 10:00	UG/M3	0.78		0.067	ND	U	0.072
ENGWESA005	9/2/2015 10:15	UG/M3	0.82		0.067	ND	U	0.072
ENGWESA005	9/16/2015 13:07	UG/M3	0.67		0.066	ND	U	0.071
ENGWESA005	9/30/2015 10:11	UG/M3	0.89		0.068	ND	U	0.072
ENGWESA005	10/14/2015 15:25	UG/M3	0.69		0.066	ND	U	0.071
ENGWESA005 FD	10/14/2015 15:25	UG/M3	0.64		0.066	ND	U	0.071
ENGWESA005	10/27/2015 15:10	UG/M3	0.94		0.072	ND	U	0.077
ENGWESA005	11/9/2015 10:22	UG/M3	0.76		0.073	ND	U	0.079
ENGWESA005	11/25/2015 11:45	UG/M3	0.94		0.058	ND	U	0.063
ENGWESA005	12/8/2015 11:22	UG/M3	0.64		0.072	ND	U	0.078
ENGWESA005	12/23/2015 9:38	UG/M3	0.64		0.063	ND	U	0.067
ENGWESA005	1/8/2016 13:00	UG/M3	0.45		0.058	ND	U	0.062
ENGWESA005 FD	1/8/2016 13:00	UG/M3	0.41		0.058	ND	U	0.062

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	1/20/2016 11:14	UG/M3	0.46		0.079	ND	U	0.084
ENGWESA005	2/3/2016 11:23	UG/M3	0.58		0.067	ND	U	0.072
ENGWESA005	2/17/2016 10:02	UG/M3	0.5		0.067	ND	U	0.072
ENGWESA005	3/2/2016 9:22	UG/M3	0.48		0.067	ND	U	0.072
ENGWESA005	3/16/2016 7:15	UG/M3	0.66		0.067	ND	U	0.072
ENGWESA005 FD	3/16/2016 7:15	UG/M3	0.71		0.067	ND	U	0.072
ENGWESA005	3/30/2016 13:03	UG/M3	0.51		0.066	ND	U	0.071
ENGWESA005	4/13/2016 14:28	UG/M3	0.42		0.067	ND	U	0.072
ENGWESA005	4/28/2016 12:51	UG/M3	1		0.063	ND	U	0.067
ENGWESA005	5/11/2016 10:24	UG/M3	0.52		0.1	ND	U	0.1
ENGWESA005	5/26/2016 13:50	UG/M3	0.76		0.1	ND	U	0.1
ENGWESA005 FD	5/26/2016 13:50	UG/M3	0.69		0.1	ND	U	0.1
ENGWESA005	6/7/2016 7:01	UG/M3	0.81		0.1	ND	U	0.1
ENGWESA005	6/23/2016 13:56	UG/M3	0.74		0.1	ND	U	0.1
ENGWESA005	7/6/2016 9:24	UG/M3	0.58		0.1	ND	U	0.1
ENGWESA005	7/20/2016 15:00	UG/M3	0.71		0.1	ND	U	0.1
ENGWESA005	8/3/2016 14:50	UG/M3	0.59		0.067	ND	U	0.072
ENGWESA005 FD	8/3/2016 14:50	UG/M3	0.54		0.067	ND	U	0.072
ENGWESA005	8/17/2016 15:43	UG/M3	0.53		0.066	ND	U	0.07
ENGWESA005	8/31/2016 8:35	UG/M3	0.83		0.069	ND	U	0.074
ENGWESA005	9/14/2016 16:15	UG/M3	0.57		0.064	ND	U	0.069
ENGWESA005	9/28/2016 10:06	UG/M3	0.99		0.071	ND	U	0.076
ENGWESA005	10/17/2016 14:39	UG/M3	0.61		0.047	ND	U	0.051
ENGWESA005 FD	10/17/2016 14:39	UG/M3	0.6		0.047	ND	U	0.051
ENGWESA005	10/26/2016 12:03	UG/M3	0.73		0.11	ND	U	0.12
ENGWESA005	11/9/2016 13:28	UG/M3	1.1		0.071	ND	U	0.076
ENGWESA005	11/23/2016 11:04	UG/M3	0.98		0.073	ND	U	0.078
ENGWESA005	12/7/2016 10:15	UG/M3	0.76		0.076	ND	U	0.081
ENGWESA005	12/21/2016 8:03	UG/M3	0.77		0.078	ND	U	0.084
ENGWESA005	1/4/2017 13:57	UG/M3	0.68		0.077	ND	U	0.082
ENGWESA005	1/18/2017 12:33	UG/M3	0.52		0.074	ND	U	0.079
ENGWESA005	2/1/2017 9:43	UG/M3	0.76		0.075	ND	U	0.08
ENGWESA005	2/14/2017 10:15	UG/M3	0.7		0.077	ND	U	0.083
ENGWESA005	3/1/2017 8:39	UG/M3	0.71		0.069	ND	U	0.074
ENGWESA005 FD	3/1/2017 8:39	UG/M3	0.78		0.069	ND	U	0.074
ENGWESA005	3/15/2017 13:01	UG/M3	0.52		0.075	ND	U	0.081
ENGWESA005	3/29/2017 10:49	UG/M3	0.49		0.073	ND	U	0.078
ENGWESA005	4/12/2017 9:58	UG/M3	0.55		0.071	ND	U	0.076
ENGWESA005	4/26/2017 10:13	UG/M3	0.74		0.068	ND	U	0.073
ENGWESA005	5/10/2017 6:35	UG/M3	0.68		0.07	ND	U	0.074
ENGWESA005 FD	5/10/2017 6:35	UG/M3	0.62		0.07	ND	U	0.074
ENGWESA005	5/24/2017 9:12	UG/M3	0.63		0.07	ND	U	0.075
ENGWESA005	6/7/2017 11:08	UG/M3	0.86		0.067	ND	U	0.072
ENGWESA005	6/21/2017 6:25	UG/M3	0.74		0.068	ND	U	0.073
ENGWESA005	7/5/2017 7:48	UG/M3	0.62		0.067	ND	U	0.072
ENGWESA005	7/19/2017 6:40	UG/M3	1	J	0.066	ND	U	0.071
ENGWESA005 FD	7/19/2017 6:40	UG/M3	0.59	J	0.066	ND	U	0.071
ENGWESA005	8/2/2017 6:40	UG/M3	0.77		0.068	ND	U	0.073
ENGWESA005	8/16/2017 6:23	UG/M3	0.66		0.067	ND	U	0.072
ENGWESA005	8/30/2017 11:17	UG/M3	0.7		0.066	ND	U	0.071
ENGWESA005	9/13/2017 9:26	UG/M3	0.92		0.07	ND	U	0.075

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA005	9/27/2017 7:25	UG/M3	1		0.07	ND	U	0.075
ENGWESA005 FD	9/27/2017 7:25	UG/M3	0.87		0.07	ND	U	0.075
ENGWESA005	10/11/2017 7:53	UG/M3	0.87		0.072	ND	U	0.077
ENGWESA005	10/25/2017 9:40	UG/M3	0.69		0.074	ND	U	0.08
ENGWESA007	5/13/2015 11:25	UG/M3	0.99		0.078	ND	U	0.084
ENGWESA007	5/27/2015 12:32	UG/M3	0.57		0.067	ND	U	0.072
ENGWESA007	6/10/2015 10:03	UG/M3	0.73		0.068	ND	U	0.072
ENGWESA007	6/23/2015 10:05	UG/M3	0.94		0.072	ND	U	0.077
ENGWESA007	7/8/2015 14:57	UG/M3	0.86		0.062	ND	U	0.066
ENGWESA007	7/22/2015 10:40	UG/M3	0.73		0.068	ND	U	0.073
ENGWESA007 FD	7/22/2015 10:40	UG/M3	0.74		0.068	ND	U	0.073
ENGWESA007	8/5/2015 9:29	UG/M3	0.98		0.067	ND	U	0.072
ENGWESA007	8/19/2015 19:45	UG/M3	0.87		0.067	ND	U	0.072
ENGWESA007	9/2/2015 10:05	UG/M3	1		0.067	ND	U	0.072
ENGWESA007	9/16/2015 13:22	UG/M3	0.8		0.066	ND	U	0.071
ENGWESA007 FD	9/16/2015 13:22	UG/M3	0.95		0.066	ND	U	0.071
ENGWESA007	9/30/2015 10:19	UG/M3	1.2		0.068	ND	U	0.072
ENGWESA007	10/14/2015 15:00	UG/M3	0.87		0.066	ND	U	0.071
ENGWESA007	10/27/2015 15:00	UG/M3	1		0.072	ND	U	0.077
ENGWESA007	11/9/2015 10:00	UG/M3	0.94		0.073	ND	U	0.079
ENGWESA007	11/25/2015 12:26	UG/M3	1		0.058	ND	U	0.062
ENGWESA007	12/8/2015 11:07	UG/M3	0.79		0.072	ND	U	0.078
ENGWESA007 FD	12/8/2015 11:07	UG/M3	0.79		0.072	ND	U	0.078
ENGWESA007	12/23/2015 9:43	UG/M3	0.82		0.063	ND	U	0.067
ENGWESA007	1/8/2016 13:12	UG/M3	0.39		0.058	ND	U	0.062
ENGWESA007	1/20/2016 11:06	UG/M3	0.57		0.079	ND	U	0.084
ENGWESA007 FD	1/20/2016 11:06	UG/M3	0.56		0.079	ND	U	0.084
ENGWESA007	2/3/2016 11:09	UG/M3	0.64		0.067	ND	U	0.072
ENGWESA007	2/17/2016 9:51	UG/M3	0.62		0.067	ND	U	0.072
ENGWESA007	3/2/2016 14:44	UG/M3	0.58		0.066	ND	U	0.071
ENGWESA007	3/16/2016 7:30	UG/M3	0.76		0.068	ND	U	0.073
ENGWESA007	3/30/2016 12:41	UG/M3	0.58		0.066	ND	U	0.071
ENGWESA007 FD	3/30/2016 12:41	UG/M3	0.6		0.066	ND	U	0.071
ENGWESA007	4/13/2016 14:22	UG/M3	0.46		0.067	ND	U	0.072
ENGWESA007	4/28/2016 10:53	UG/M3	1.1		0.063	ND	U	0.068
ENGWESA007	5/11/2016 10:44	UG/M3	0.74		0.1	ND	U	0.1
ENGWESA007	5/26/2016 14:14	UG/M3	1		0.1	ND	U	0.1
ENGWESA007	6/7/2016 6:49	UG/M3	1.1		0.1	ND	U	0.1
ENGWESA007 FD	6/7/2016 6:49	UG/M3	1.2		0.1	ND	U	0.1
ENGWESA007	6/23/2016 13:30	UG/M3	1.2		0.1	ND	U	0.1
ENGWESA007	7/6/2016 9:15	UG/M3	0.61		0.1	ND	U	0.1
ENGWESA007	7/20/2016 14:30	UG/M3	0.86		0.1	ND	U	0.1
ENGWESA007	8/3/2016 15:00	UG/M3	0.81		0.067	ND	U	0.072
ENGWESA007	8/17/2016 16:12	UG/M3	0.74		0.065	ND	U	0.07
ENGWESA007 FD	8/17/2016 16:12	UG/M3	0.79		0.065	ND	U	0.07
ENGWESA007	8/31/2016 8:28	UG/M3	1.4		0.069	ND	U	0.074
ENGWESA007	9/14/2016 15:58	UG/M3	0.87		0.064	ND	U	0.069
ENGWESA007	9/28/2016 9:59	UG/M3	1.2		0.071	ND	U	0.076
ENGWESA007	10/17/2016 16:07	UG/M3	0.71		0.047	ND	U	0.05
ENGWESA007	10/26/2016 11:50	UG/M3	0.94		0.11	ND	U	0.12
ENGWESA007	11/9/2016 13:20	UG/M3	1.5		0.071	ND	U	0.076

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA007	11/23/2016 10:54	UG/M3	1.5		0.073	ND	U	0.078
ENGWESA007	12/7/2016 10:09	UG/M3	1.1		0.077	ND	U	0.082
ENGWESA007	12/21/2016 8:33	UG/M3	0.8		0.078	ND	U	0.083
ENGWESA007	1/4/2017 13:50	UG/M3	0.83		0.077	ND	U	0.082
ENGWESA007 FD	1/4/2017 13:50	UG/M3	0.89		0.077	ND	U	0.082
ENGWESA007	1/18/2017 12:24	UG/M3	0.62		0.074	ND	U	0.079
ENGWESA007	2/1/2017 9:35	UG/M3	0.92		0.075	ND	U	0.08
ENGWESA007	2/14/2017 10:11	UG/M3	0.89		0.077	ND	U	0.083
ENGWESA007	3/1/2017 9:44	UG/M3	1.4		0.068	0.08		0.073
ENGWESA007	3/15/2017 12:54	UG/M3	0.7		0.076	ND	U	0.081
ENGWESA007 FD	3/15/2017 12:54	UG/M3	0.7		0.076	ND	U	0.081
ENGWESA007	3/29/2017 10:43	UG/M3	0.56		0.073	ND	U	0.078
ENGWESA007	4/12/2017 9:55	UG/M3	0.78		0.071	ND	U	0.076
ENGWESA007	4/26/2017 10:10	UG/M3	1.3		0.068	ND	U	0.073
ENGWESA007	5/10/2017 6:51	UG/M3	0.78		0.069	ND	U	0.074
ENGWESA007	5/24/2017 9:06	UG/M3	0.89		0.07	ND	U	0.076
ENGWESA007	6/7/2017 11:00	UG/M3	1.1		0.067	ND	U	0.072
ENGWESA007	6/21/2017 6:22	UG/M3	1.3		0.068	ND	U	0.073
ENGWESA007	7/5/2017 7:47	UG/M3	0.86		0.067	ND	U	0.072
ENGWESA007	7/19/2017 6:34	UG/M3	1.1		0.067	ND	U	0.071
ENGWESA007	8/2/2017 6:32	UG/M3	1.4		0.068	ND	U	0.073
ENGWESA007 FD	8/2/2017 6:32	UG/M3	1.3		0.068	ND	U	0.073
ENGWESA007	8/16/2017 6:20	UG/M3	1.4		0.067	ND	U	0.072
ENGWESA007	8/30/2017 11:13	UG/M3	1.1		0.066	ND	U	0.071
ENGWESA007	9/13/2017 9:22	UG/M3	1.6		0.07	ND	U	0.075
ENGWESA007	9/27/2017 7:21	UG/M3	1.3		0.07	ND	U	0.075
ENGWESA007	10/11/2017 7:48	UG/M3	0.99		0.072	ND	U	0.077
ENGWESA007 FD	10/11/2017 7:48	UG/M3	1		0.072	ND	U	0.077
ENGWESA007	10/25/2017 9:35	UG/M3	0.96		0.074	ND	U	0.08
ENGWESA008	5/13/2015 12:05	UG/M3	0.64		0.079	ND	U	0.084
ENGWESA008	5/27/2015 16:00	UG/M3	0.34		0.066	ND	U	0.071
ENGWESA008 FD	5/27/2015 16:00	UG/M3	0.34		0.066	ND	U	0.071
ENGWESA008	6/10/2015 10:40	UG/M3	0.48		0.068	ND	U	0.073
ENGWESA008	6/23/2015 11:45	UG/M3	0.34		0.072	ND	U	0.077
ENGWESA008	7/8/2015 15:23	UG/M3	0.62		0.062	ND	U	0.066
ENGWESA008	7/22/2015 11:29	UG/M3	0.5		0.068	ND	U	0.073
ENGWESA008	8/5/2015 9:36	UG/M3	0.64		0.067	ND	U	0.072
ENGWESA008	8/19/2015 10:18	UG/M3	0.64		0.067	ND	U	0.072
ENGWESA008 FD	8/19/2015 10:18	UG/M3	0.64		0.067	ND	U	0.072
ENGWESA008	9/2/2015 10:26	UG/M3	0.67		0.067	ND	U	0.072
ENGWESA008	9/16/2015 12:51	UG/M3	0.59		0.066	ND	U	0.071
ENGWESA008	9/30/2015 10:04	UG/M3	0.71		0.068	ND	U	0.072
ENGWESA008	10/14/2015 16:24	UG/M3	0.54		0.066	ND	U	0.07
ENGWESA008	10/27/2015 15:19	UG/M3	0.81		0.072	ND	U	0.078
ENGWESA008 FD	10/27/2015 15:19	UG/M3	0.77		0.072	ND	U	0.078
ENGWESA008	11/9/2015 10:39	UG/M3	0.72		0.073	ND	U	0.078
ENGWESA008	11/25/2015 12:07	UG/M3	0.86		0.058	ND	U	0.063
ENGWESA008	12/8/2015 11:45	UG/M3	0.7		0.072	ND	U	0.078
ENGWESA008	12/23/2015 9:30	UG/M3	0.6		0.063	ND	U	0.068
ENGWESA008	1/7/2016 11:12	UG/M3	0.39		0.062	ND	U	0.067

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	1/20/2016 11:28	UG/M3	0.41		0.072	ND	U	0.077
ENGWESA008	2/4/2016 10:34	UG/M3	0.58		0.063	ND	U	0.067
ENGWESA008 FD	2/4/2016 10:34	UG/M3	0.54		0.063	ND	U	0.067
ENGWESA008	2/17/2016 10:09	UG/M3	0.44		0.072	ND	U	0.078
ENGWESA008	3/2/2016 8:20	UG/M3	0.47		0.063	ND	U	0.067
ENGWESA008	3/16/2016 8:15	UG/M3	0.67		0.072	ND	U	0.077
ENGWESA008	3/31/2016 9:54	UG/M3	0.51		0.062	ND	U	0.067
ENGWESA008	4/13/2016 14:43	UG/M3	0.38		0.071	ND	U	0.076
ENGWESA008 FD	4/13/2016 14:43	UG/M3	0.38		0.071	ND	U	0.076
ENGWESA008	4/28/2016 13:23	UG/M3	0.9		0.063	ND	U	0.067
ENGWESA008	5/11/2016 10:34	UG/M3	0.48		0.1	ND	U	0.1
ENGWESA008	5/26/2016 13:22	UG/M3	0.56		0.1	ND	U	0.1
ENGWESA008	6/7/2016 7:11	UG/M3	0.71		0.1	ND	U	0.1
ENGWESA008	6/23/2016 11:27	UG/M3	0.55		0.1	ND	U	0.1
ENGWESA008 FD	6/23/2016 11:27	UG/M3	0.6		0.1	ND	U	0.1
ENGWESA008	7/6/2016 10:17	UG/M3	0.47		0.1	ND	U	0.1
ENGWESA008	7/20/2016 12:02	UG/M3	0.62		0.1	ND	U	0.1
ENGWESA008	8/3/2016 15:44	UG/M3	0.45		0.071	ND	U	0.076
ENGWESA008	8/17/2016 16:37	UG/M3	0.52		0.065	ND	U	0.07
ENGWESA008	8/31/2016 7:28	UG/M3	0.74		0.07	ND	U	0.075
ENGWESA008 FD	8/31/2016 7:28	UG/M3	0.71		0.07	ND	U	0.075
ENGWESA008	9/14/2016 16:47	UG/M3	0.5		0.064	ND	U	0.068
ENGWESA008	9/28/2016 10:15	UG/M3	0.78		0.071	ND	U	0.076
ENGWESA008	10/17/2016 16:17	UG/M3	0.52		0.047	ND	U	0.05
ENGWESA008	10/26/2016 12:14	UG/M3	0.58		0.11	ND	U	0.12
ENGWESA008	11/9/2016 13:50	UG/M3	0.92		0.07	ND	U	0.076
ENGWESA008 FD	11/9/2016 13:51	UG/M3	0.92		0.07	ND	U	0.076
ENGWESA008	11/23/2016 11:09	UG/M3	0.85		0.073	ND	U	0.078
ENGWESA008	12/7/2016 10:23	UG/M3	0.72		0.076	ND	U	0.081
ENGWESA008	12/21/2016 8:39	UG/M3	0.69		0.078	ND	U	0.083
ENGWESA008	1/4/2017 14:05	UG/M3	0.69		0.077	ND	U	0.082
ENGWESA008	1/18/2017 11:20	UG/M3	0.55		0.075	ND	U	0.08
ENGWESA008 FD	1/18/2017 11:20	UG/M3	0.58		0.075	ND	U	0.08
ENGWESA008	2/1/2017 9:51	UG/M3	0.64		0.075	ND	U	0.08
ENGWESA008	2/14/2017 10:28	UG/M3	0.5		0.077	ND	U	0.083
ENGWESA008	3/1/2017 9:56	UG/M3	0.66		0.068	ND	U	0.073
ENGWESA008	3/15/2017 13:14	UG/M3	0.37		0.075	ND	U	0.081
ENGWESA008	3/29/2017 10:00	UG/M3	0.4		0.073	ND	U	0.078
ENGWESA008 FD	3/29/2017 10:00	UG/M3	0.41		0.073	ND	U	0.078
ENGWESA008	4/12/2017 10:00	UG/M3	0.42		0.07	ND	U	0.075
ENGWESA008	4/26/2017 10:15	UG/M3	0.59		0.068	ND	U	0.073
ENGWESA008	5/10/2017 6:45	UG/M3	0.52		0.069	ND	U	0.074
ENGWESA008	5/24/2017 9:18	UG/M3	0.42		0.07	ND	U	0.075
ENGWESA008	6/7/2017 11:16	UG/M3	0.59		0.067	ND	U	0.072
ENGWESA008 FD	6/7/2017 11:16	UG/M3	0.63		0.067	ND	U	0.072
ENGWESA008	6/21/2017 6:31	UG/M3	0.44		0.068	ND	U	0.073
ENGWESA008	7/5/2017 7:57	UG/M3	0.48		0.067	ND	U	0.072
ENGWESA008	7/19/2017 6:48	UG/M3	0.4		0.066	ND	U	0.071
ENGWESA008	8/2/2017 6:47	UG/M3	0.55		0.068	ND	U	0.073
ENGWESA008	8/16/2017 6:26	UG/M3	1.4	J	0.067	ND	U	0.072
ENGWESA008 FD	8/16/2017 6:26	UG/M3	0.58	J	0.067	ND	U	0.072

CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA008	8/30/2017 11:21	UG/M3	0.56		0.066	ND	U	0.071
ENGWESA008	9/13/2017 9:30	UG/M3	0.82		0.07	ND	U	0.075
ENGWESA008	9/27/2017 7:30	UG/M3	0.78		0.07	ND	U	0.075
ENGWESA008	10/11/2017 8:00	UG/M3	0.8		0.072	ND	U	0.077
ENGWESA008	10/25/2017 9:45	UG/M3	0.46		0.074	ND	U	0.08
ENGWESA008 FD	10/25/2017 9:45	UG/M3	0.5		0.074	ND	U	0.08
ENGWESA011	5/13/2015 11:45	UG/M3	0.47		0.077	ND	U	0.083
ENGWESA011 FD	5/13/2015 11:45	UG/M3	0.47		0.077	ND	U	0.083
ENGWESA011	5/27/2015 10:30	UG/M3	0.32		0.067	ND	U	0.072
ENGWESA011	6/10/2015 11:23	UG/M3	0.54		0.067	ND	U	0.072
ENGWESA011	6/23/2015 12:00	UG/M3	0.36		0.072	ND	U	0.077
ENGWESA011	7/8/2015 14:44	UG/M3	0.58		0.062	ND	U	0.066
ENGWESA011 FD	7/8/2015 14:44	UG/M3	0.62		0.062	ND	U	0.066
ENGWESA011	7/22/2015 7:40	UG/M3	0.46		0.068	ND	U	0.073
ENGWESA011	8/19/2015 10:36	UG/M3	0.77		0.067	ND	U	0.072
ENGWESA011	9/2/2015 10:33	UG/M3	0.57		0.067	ND	U	0.072
ENGWESA011	9/16/2015 13:37	UG/M3	0.67		0.066	ND	U	0.071
ENGWESA011	9/30/2015 10:28	UG/M3	0.87		0.068	ND	U	0.072
ENGWESA011 FD	9/30/2015 10:28	UG/M3	0.78		0.068	ND	U	0.072
ENGWESA011	10/14/2015 14:30	UG/M3	0.51		0.066	ND	U	0.071
ENGWESA011	10/27/2015 15:47	UG/M3	0.78		0.072	ND	U	0.077
ENGWESA012	11/9/2015 8:43	UG/M3	0.8		0.074	ND	U	0.079
ENGWESA012 FD	11/9/2015 8:43	UG/M3	0.74		0.074	ND	U	0.079
ENGWESA012	11/25/2015 12:16	UG/M3	0.9		0.058	ND	U	0.062
ENGWESA012	12/8/2015 10:20	UG/M3	0.66		0.073	ND	U	0.078
ENGWESA012	12/23/2015 10:06	UG/M3	0.63		0.063	ND	U	0.067
ENGWESA012	1/7/2016 10:56	UG/M3	0.4		0.062	ND	U	0.067
ENGWESA012	1/20/2016 11:40	UG/M3	0.43		0.072	ND	U	0.077
ENGWESA012	2/3/2016 9:45	UG/M3	0.64		0.067	ND	U	0.072
ENGWESA012	2/17/2016 9:02	UG/M3	0.5		0.073	ND	U	0.078
ENGWESA012 FD	2/17/2016 9:02	UG/M3	0.47		0.073	ND	U	0.078
ENGWESA012	3/2/2016 10:52	UG/M3	0.47		0.067	ND	U	0.072
ENGWESA012	3/16/2016 8:00	UG/M3	0.61		0.068	ND	U	0.072
ENGWESA012	3/30/2016 9:59	UG/M3	0.44		0.067	ND	U	0.071
ENGWESA012	4/13/2016 13:00	UG/M3	0.44		0.066	ND	U	0.071
ENGWESA012	4/27/2016 10:33	UG/M3	0.77		0.068	ND	U	0.072
ENGWESA012 FD	4/27/2016 10:33	UG/M3	0.77		0.068	ND	U	0.072
ENGWESA012	5/11/2016 10:10	UG/M3	0.52		0.1	ND	U	0.1
ENGWESA012	5/26/2016 14:38	UG/M3	0.64		0.1	ND	U	0.1
ENGWESA012	6/7/2016 6:40	UG/M3	0.6		0.1	ND	U	0.1
ENGWESA012	6/23/2016 12:53	UG/M3	0.57		0.1	0.062		0.1
ENGWESA012	7/6/2016 8:44	UG/M3	0.48		0.1	ND	U	0.1
ENGWESA012 FD	7/6/2016 8:44	UG/M3	0.5		0.1	ND	U	0.1
ENGWESA012	7/20/2016 10:37	UG/M3	0.62		0.1	ND	U	0.1
ENGWESA012	8/3/2016 15:10	UG/M3	0.51		0.066	ND	U	0.071
ENGWESA012	8/17/2016 17:04	UG/M3	0.5		0.065	ND	U	0.07
ENGWESA012	8/31/2016 7:52	UG/M3	0.68		0.07	ND	U	0.075
ENGWESA012	9/14/2016 14:25	UG/M3	0.53		0.065	ND	U	0.069
ENGWESA012 FD	9/14/2016 14:25	UG/M3	0.54		0.065	ND	U	0.069
ENGWESA012	9/28/2016 9:33	UG/M3	0.88		0.07	ND	U	0.076



CLIENTSAMPID	SAMPDATETIME	UNITS (ug/m3)	Toluene			Trichloroethene		
			Result	Final Q	RL	Result	Final Q	RL
ENGWESA012	10/17/2016 15:56	UG/M3	0.56		0.047	ND	U	0.05
ENGWESA012	10/26/2016 11:37	UG/M3	0.62		0.11	ND	U	0.12
ENGWESA012	11/9/2016 13:35	UG/M3	0.91		0.07	ND	U	0.076
ENGWESA012	11/23/2016 10:28	UG/M3	0.9		0.073	ND	U	0.078
ENGWESA012 FD	11/23/2016 10:28	UG/M3	1		0.073	ND	U	0.078
ENGWESA012	12/7/2016 9:41	UG/M3	0.8		0.077	ND	U	0.082
ENGWESA012	12/21/2016 7:52	UG/M3	0.77		0.078	ND	U	0.084
ENGWESA012	1/4/2017 13:06	UG/M3	0.78		0.077	ND	U	0.083
ENGWESA012	1/18/2017 11:36	UG/M3	0.52		0.074	ND	U	0.079
ENGWESA012	2/1/2017 9:00	UG/M3	0.81		0.075	ND	U	0.081
ENGWESA012 FD	2/1/2017 9:00	UG/M3	0.75		0.075	ND	U	0.081
ENGWESA012	2/14/2017 9:33	UG/M3	0.6		0.078	ND	U	0.084
ENGWESA012	3/1/2017 9:33	UG/M3	0.58		0.068	ND	U	0.073
ENGWESA012	3/15/2017 12:47	UG/M3	0.46		0.076	ND	U	0.082
ENGWESA012	3/29/2017 10:28	UG/M3	0.49		0.073	ND	U	0.078
ENGWESA012	4/12/2017 9:30	UG/M3	0.51		0.072	ND	U	0.077
ENGWESA012 FD	4/12/2017 9:30	UG/M3	0.51		0.072	ND	U	0.077
ENGWESA012	4/26/2017 10:01	UG/M3	0.63		0.069	ND	U	0.074
ENGWESA012	10/26/2016 11:37	UG/M3	0.62		0.11	ND	U	0.12
ENGWESA012	5/10/2017 7:06	UG/M3	0.42		0.069	ND	U	0.074
ENGWESA012	5/24/2017 9:00	UG/M3	0.48		0.07	ND	U	0.076
ENGWESA012	6/7/2017 11:27	UG/M3	0.79		0.067	ND	U	0.072
ENGWESA012	6/21/2017 6:00	UG/M3	0.62		0.068	ND	U	0.073
ENGWESA012 FD	6/21/2017 6:00	UG/M3	0.59		0.068	ND	U	0.073
ENGWESA012	7/5/2017 8:02	UG/M3	0.48		0.067	ND	U	0.071
ENGWESA012	7/19/2017 7:00	UG/M3	0.46		0.066	ND	U	0.071
ENGWESA012	8/2/2017 7:11	UG/M3	0.49		0.068	ND	U	0.073
ENGWESA012	8/16/2017 6:00	UG/M3	0.46		0.068	ND	U	0.072
ENGWESA012	8/30/2017 11:29	UG/M3	0.66		0.066	ND	U	0.071
ENGWESA012 FD	8/30/2017 11:29	UG/M3	0.58		0.066	ND	U	0.071
ENGWESA012	9/13/2017 9:00	UG/M3	0.83		0.07	ND	U	0.075
ENGWESA012	9/27/2017 7:15	UG/M3	0.84		0.07	ND	U	0.075
ENGWESA012	10/11/2017 7:40	UG/M3	0.77		0.072	ND	U	0.077
ENGWESA012	10/25/2017 9:00	UG/M3	0.6		0.074	ND	U	0.08

# **APPENDIX E**

## **GAMMA DOSIMETRY RESULTS**



November 08, 2017

Auxier and Associates INC.  
Attn: Terri Eitt  
13570 St Charles Rock Road  
BRIDGETON, MO 63044

Dear Terri,

Enclosed is your environmental report for the locations, and wear periods listed below reported in units of mR:

<b>Account</b>	<b>Location</b>	<b>Wear Date</b>
79807	00004LOC	7/15/2017

As a reminder, no background has been applied. Only, fade and reader corrections have been applied. The Analysis and Reporting of these results are performed in accordance with the Mirion Technologies (GDS) Inc. Quality Assurance Manual and Standard Operating Procedure T-550 Production of Environmental Reports. If you have any questions please contact me at (949) 419-1000, ext. 2083.

Sincerely,

Tam Hang Vo  
Team Leader -Dose Analysis  
Global Dosimetry Solutions, Inc.

0236605

REP4110\_0



### Global Dosimetry Solutions Environmental Report

<b>Account</b>	79807	Auxier and Associates INC.
<b>Location</b>	00004LOC	
<b>Monitoring Period</b>	7/15/2017	
<b>Process</b>	0236605	

Badge Number	Name	Exposure mR*			
		Element 2	Element 3	Element 4	Elmnt Avg
1	STATION 1	20	+	21	20
2	STATION 2	21	22	21	22
3	STATION 3	22	23	23	23
4	STATION 4	22	23	22	22
5	STATION 5	22	20	21	21
6	STATION 6	18	18	19	18
7	STATION 7	18	19	19	19
8	STATION 8	20	21	21	21
9	STATION 9	22	22	23	23
10	STATION 10	21	22	22	21
11	STATION 11	21	21	21	21
12	STATION 12	+	19	22	21
13	STATION 13	20	19	19	20
15	DUPLICATE	18	19	19	19

\*- No control exposures have been subtracted, and only element, reader and fade corrections have been made.

+ - Unusual element result observed. D - Element damaged and cannot be evaluated.



November 08, 2017

Auxier and Associates INC.  
Attn: Cecilia Greene  
13570 St Charles Rock Road  
BRIDGETON, MO 63044

Dear Cecilia,

Enclosed is your environmental report for the locations, and wear periods listed below reported in units of mR:

<b>Account</b>	<b>Location</b>	<b>Wear Date</b>
79807	00004LOC	7/15/2017

As a reminder, no background has been applied. Only, fade and reader corrections have been applied. The Analysis and Reporting of these results are performed in accordance with the Mirion Technologies (GDS) Inc. Quality Assurance Manual and Standard Operating Procedure T-550 Production of Environmental Reports. If you have any questions please contact me at (949) 419-1000, ext. 2083.

Sincerely,

David R. Trotman  
Technical Specialist  
Global Dosimetry Solutions, Inc.

0236615

REP4110\_0



### Global Dosimetry Solutions Environmental Report

Account	79807	Auxier and Associates INC.
Location	00004LOC	
Monitoring Period	7/15/2017	
Process	0236615	

Badge Number	Name	Exposure mR*			
		Element 2	Element 3	Element 4	Elmnt Avg
14	TRIP BLANK	18	17	17	17
16	CONTROL	19	18	18	18

\*- No control exposures have been subtracted, and only element, reader and fade corrections have been made.

# **APPENDIX F**

## **ALPHA TRACK ETCH DETECTOR RESULTS**

NELAC NY 11769  
 NRPP 101193 AL  
 NRSB ARL0017

EPA Method #402-R-92-004  
 Alpha Track  
 NRPP Device Code 8205  
 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Auxier and Associates Inc.  
 9821 Cogdill Road Suite 1  
 Knoxville TN 37932

West Lake Landfill  
 13570 Saint Charles Rock Road  
 Bridgeton MO 63044

Log Number	Device Number	Test Exposure Duration:	Area Tested	Result (pCi/L)
2191642	3444069	08/03/2017 11/07/2017	Room 1	0.4
2191643	3444070	08/03/2017 11/07/2017	Room 2	< 0.4
2191644	3444071	08/03/2017 11/07/2017	Room 3	< 0.4
2191645	3444083	08/03/2017 11/07/2017	Room 4	< 0.4
2191646	3444073	08/03/2017 11/07/2017	Room 5	0.5
2191647	3444074	08/03/2017 11/07/2017	Room 6	< 0.4
2191648	3444075	08/03/2017 11/07/2017	Room 7	< 0.4
2191649	3444076	08/03/2017 11/07/2017	Room 8	< 0.4
2191650	3444077	08/03/2017 11/07/2017	Room 9	< 0.4
2191651	3444078	08/03/2017 11/07/2017	Room 10	0.4

**Comment:** A copy of this report was emailed to cgreene@auxier.com; mjoseph@auxier.com.

Distributed by: National Safety Products

Date Received: 11/08/2017    Date Logged: 11/09/2017    Date Analyzed: 11/14/2017    Date Reported: 11/17/2017

Report Reviewed By: Michelle Cleveland

Report Approved By: Shawn Price

**Disclaimer:**

The uncertainty of this radon measurement is +/- 15 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.



NELAC NY 11769  
 NRPP 101193 AL  
 NRSB ARL0017

EPA Method #402-R-92-004  
 Alpha Track  
 NRPP Device Code 8205  
 NRSB Device Code 12001

Laboratory Report for:

Property Tested:

Auxier and Associates Inc.  
 9821 Cogdill Road Suite 1  
 Knoxville TN 37932

West Lake Landfill  
 13570 Saint Charles Rock Road  
 Bridgeton MO 63044

Log Number	Device Number	Test Exposure Duration:	Area Tested	Result (pCi/L)
2191652	3444079	08/03/2017 11/07/2017	Room 11	< 0.4
2191653	3444081	08/03/2017 11/07/2017	Room 12	0.4
2191654	3444082	08/03/2017 11/07/2017	Room 13	< 0.4
2191655	3444072	08/03/2017 11/07/2017	DUP 4	< 0.4

**Comment:** A copy of this report was emailed to cgreene@auxier.com; mjoseph@auxier.com.

Distributed by: National Safety Products

Date Received: 11/08/2017    Date Logged: 11/09/2017    Date Analyzed: 11/14/2017    Date Reported: 11/17/2017

Report Reviewed By: Michelle Cleveland

Report Approved By: Shawn Price

**Disclaimer:**

Shawn Price, Director of Laboratory Operations, AccuStar Labs

The uncertainty of this radon measurement is +/- 15 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

# **APPENDIX G**

## **METEOROLOGICAL STATION DATA**

7/20/17 0:00	5.9	213	28.8	30.8	FALSE
7/20/17 0:15	7.3	215	28.8	30.8	FALSE
7/20/17 0:30	7.5	211	28.6	30.8	FALSE
7/20/17 0:45	6.9	208	29	30.8	FALSE
7/20/17 1:00	7.4	212	29.1	30.8	FALSE
7/20/17 1:15	7.7	207	29.1	30.8	FALSE
7/20/17 1:30	8.5	206	29	30.8	FALSE
7/20/17 1:45	8.4	210	28.9	30.8	FALSE
7/20/17 2:00	7.8	214	28.9	30.8	FALSE
7/20/17 2:15	8.7	210	28.7	30.8	FALSE
7/20/17 2:30	9.2	215	28.8	30.8	FALSE
7/20/17 2:45	8.2	212	28.7	30.8	FALSE
7/20/17 3:00	7.8	209	28.5	30.8	FALSE
7/20/17 3:15	6.9	219	28.5	30.8	FALSE
7/20/17 3:30	7.1	225	28.5	30.8	FALSE
7/20/17 3:45	7.2	220	28.4	30.8	FALSE
7/20/17 4:00	8.5	218	28.2	30.8	FALSE
7/20/17 4:15	7.4	223	28	30.8	FALSE
7/20/17 4:30	8.2	219	27.8	30.8	FALSE
7/20/17 4:45	8.6	223	27.7	30.8	FALSE
7/20/17 5:00	8.8	226	27.6	30.8	FALSE
7/20/17 5:15	8.8	226	27.5	30.8	FALSE
7/20/17 5:30	7.2	222	27.3	30.8	FALSE
7/20/17 5:45	7.7	219	27.1	30.8	FALSE
7/20/17 6:00	7.2	220	26.9	30.8	FALSE
7/20/17 6:15	8.4	219	26.8	30.8	FALSE
7/20/17 6:30	7.7	219	26.7	30.8	FALSE
7/20/17 6:45	6.4	226	26.6	30.8	FALSE
7/20/17 7:00	6.7	227	26.6	30.8	FALSE
7/20/17 7:15	8.4	228	26.8	30.8	FALSE
7/20/17 7:30	8.1	230	26.9	30.8	FALSE
7/20/17 7:45	8.9	234	27.1	30.8	FALSE
7/20/17 8:00	7.5	242	27.3	30.8	FALSE
7/20/17 8:15	8.1	245	27.4	30.8	FALSE
7/20/17 8:30	6.1	247	27.6	30.8	FALSE
7/20/17 8:45	7.3	271	28	30.8	FALSE
7/20/17 9:00	7.9	259	28.2	30.8	FALSE
7/20/17 9:15	7.7	257	28.4	30.8	FALSE
7/20/17 9:30	8.6	240	29	30.8	FALSE
7/20/17 9:45	9.3	247	29.8	30.8	FALSE
7/20/17 10:00	9.6	242	30.6	30.8	FALSE
7/20/17 10:15	8.8	256	31	30.8	FALSE
7/20/17 10:30	7.1	252	31.7	30.8	FALSE
7/20/17 10:45	6.0	221	32	30.8	FALSE
7/20/17 11:00	7.5	214	32.3	30.8	FALSE
7/20/17 11:15	8.0	224	32.7	30.8	FALSE
7/20/17 11:30	8.7	217	33.4	30.8	FALSE

7/20/17 11:45	7.5	240	33.7	30.8	FALSE
7/20/17 12:00	8.8	242	34	30.8	FALSE
7/20/17 12:15	8.9	212	34.3	30.8	FALSE
7/20/17 12:30	10.2	236	34.5	30.8	FALSE
7/20/17 12:45	10.8	218	34.8	30.8	FALSE
7/20/17 13:00	10.9	238	35	30.8	FALSE
7/20/17 13:15	10.7	236	35.1	30.8	FALSE
7/20/17 13:30	10.8	224	35.3	30.8	FALSE
7/20/17 13:45	10.1	234	35.5	30.8	FALSE
7/20/17 14:00	10.9	232	35.6	30.8	FALSE
7/20/17 14:15	11.4	239	35.9	30.8	FALSE
7/20/17 14:30	11.5	239	35.9	30.8	FALSE
7/20/17 14:45	10.3	232	36.1	30.8	FALSE
7/20/17 15:00	9.2	240	36	30.8	FALSE
7/20/17 15:15	8.5	235	36.1	30.8	FALSE
7/20/17 15:30	8.8	241	36.1	30.8	FALSE
7/20/17 15:45	7.8	237	36.5	30.8	FALSE
7/20/17 16:00	7.9	237	36.7	30.8	FALSE
7/20/17 16:15	6.7	251	36.8	30.8	FALSE
7/20/17 16:30	7.7	248	37	30.8	FALSE
7/20/17 16:45	7.6	249	37.1	30.8	FALSE
7/20/17 17:00	8.5	255	36.9	30.8	FALSE
7/20/17 17:15	9.2	246	37	30.8	FALSE
7/20/17 17:30	9.2	249	37.3	30.8	FALSE
7/20/17 17:45	9.4	253	37.5	30.8	FALSE
7/20/17 18:00	7.5	251	37.2	30.8	FALSE
7/20/17 18:15	8.2	252	37	30.8	FALSE
7/20/17 18:30	9.2	255	36.7	30.8	FALSE
7/20/17 18:45	8.3	253	36.6	30.8	FALSE
7/20/17 19:00	6.9	257	36.6	30.8	FALSE
7/20/17 19:15	5.8	255	36.4	30.8	FALSE
7/20/17 19:30	4.8	261	36.3	30.8	FALSE
7/20/17 19:45	4.0	234	36.2	30.8	FALSE
7/20/17 20:00	4.7	232	35.9	30.8	FALSE
7/20/17 20:15	4.0	240	35.3	30.8	FALSE
7/20/17 20:30	3.2	233	34.7	30.8	FALSE
7/20/17 20:45	3.4	224	34.4	30.8	FALSE
7/20/17 21:00	4.7	212	34	30.8	FALSE
7/20/17 21:15	4.8	215	33.6	30.8	FALSE
7/20/17 21:30	4.6	220	33.5	30.8	FALSE
7/20/17 21:45	4.7	217	33.3	30.8	FALSE
7/20/17 22:00	2.9	198	32.9	30.8	FALSE
7/20/17 22:15	3.0	198	32.5	30.8	FALSE
7/20/17 22:30	3.3	219	32.3	30.8	FALSE
7/20/17 22:45	6.1	206	32.2	30.8	FALSE
7/20/17 23:00	5.9	191	32	30.8	FALSE
7/20/17 23:15	4.8	201	31.6	30.8	FALSE

7/20/17 23:30	4.8	223	31.2	30.8	FALSE
7/20/17 23:45	5.2	209	30.8	30.8	FALSE
7/21/17 0:00	5.9	215	30.6	30.8	FALSE
7/21/17 0:15	6.9	213	31.1	30.8	FALSE
7/21/17 0:30	6.7	215	31	30.8	FALSE
7/21/17 0:45	5.0	213	30.8	30.8	FALSE
7/21/17 1:00	5.9	209	30.6	30.8	FALSE
7/21/17 1:15	6.8	210	30.4	30.8	FALSE
7/21/17 1:30	6.8	219	30.3	30.8	FALSE
7/21/17 1:45	5.0	217	30.2	30.8	FALSE
7/21/17 2:00	5.1	208	30.1	30.8	FALSE
7/21/17 2:15	5.9	206	29.8	30.8	FALSE
7/21/17 2:30	6.5	207	29.6	30.8	FALSE
7/21/17 2:45	6.6	215	29.3	30.8	FALSE
7/21/17 3:00	6.8	214	29.1	30.8	FALSE
7/21/17 3:15	6.7	220	28.8	30.8	FALSE
7/21/17 3:30	7.1	220	28.6	30.8	FALSE
7/21/17 3:45	6.1	214	28.5	30.8	FALSE
7/21/17 4:00	5.8	224	28.5	30.8	FALSE
7/21/17 4:15	5.5	242	28.5	30.8	FALSE
7/21/17 4:30	5.5	228	28.3	30.8	FALSE
7/21/17 4:45	5.6	221	28	30.8	FALSE
7/21/17 5:00	5.7	226	27.9	30.8	FALSE
7/21/17 5:15	4.2	240	27.9	30.8	FALSE
7/21/17 5:30	1.9	275	27.6	30.8	FALSE
7/21/17 5:45	2.6	245	27.4	30.8	FALSE
7/21/17 6:00	3.1	224	27.3	30.8	FALSE
7/21/17 6:15	1.9	213	27.2	30.8	FALSE
7/21/17 6:30	1.4	233	27.1	30.8	FALSE
7/21/17 6:45	1.2	228	27.1	30.8	FALSE
7/21/17 7:00	1.7	245	27	30.8	FALSE
7/21/17 7:15	2.1	234	27.2	30.8	FALSE
7/21/17 7:30	2.7	232	27.7	30.8	FALSE
7/21/17 7:45	2.3	223	28.7	30.8	FALSE
7/21/17 8:00	2.4	226	29.8	30.8	FALSE
7/21/17 8:15	3.1	223	30.1	30.8	FALSE
7/21/17 8:30	2.7	241	30.5	30.8	FALSE
7/21/17 8:45	4.4	231	30.6	30.8	FALSE
7/21/17 9:00	4.4	249	31.4	30.8	FALSE
7/21/17 9:15	3.7	249	31.4	30.8	FALSE
7/21/17 9:30	5.1	223	32	30.8	FALSE
7/21/17 9:45	5.0	235	32.1	30.8	FALSE
7/21/17 10:00	5.3	234	32.4	30.8	FALSE
7/21/17 10:15	5.6	242	32.4	30.8	FALSE
7/21/17 10:30	5.4	234	32.6	30.8	FALSE
7/21/17 10:45	5.4	237	32.8	30.8	FALSE
7/21/17 11:00	7.2	252	33.2	30.8	FALSE

7/21/17 11:15	8.4	221	33.5	30.8	FALSE
7/21/17 11:30	9.5	239	33.9	30.8	FALSE
7/21/17 11:45	10.2	233	34.3	30.8	FALSE
7/21/17 12:00	10.5	230	34.5	30.8	FALSE
7/21/17 12:15	10.4	226	34.8	30.8	FALSE
7/21/17 12:30	11.6	251	35.1	30.8	FALSE
7/21/17 12:45	11.3	251	35.4	30.8	FALSE
7/21/17 13:00	12.3	262	35.7	30.8	FALSE
7/21/17 13:15	10.7	257	36.2	30.8	FALSE
7/21/17 13:30	10.4	258	36.1	30.8	FALSE
7/21/17 13:45	9.4	250	36.1	30.8	FALSE
7/21/17 14:00	11.1	244	36.2	30.8	FALSE
7/21/17 14:15	11.1	246	36.2	30.8	FALSE
7/21/17 14:30	9.0	250	36.4	30.8	FALSE
7/21/17 14:45	9.9	264	36.7	30.7	FALSE
7/21/17 15:00	9.9	255	37	30.7	FALSE
7/21/17 15:15	9.5	246	36.9	30.7	FALSE
7/21/17 15:30	8.2	250	36.8	30.7	FALSE
7/21/17 15:45	10.4	251	37.2	30.7	FALSE
7/21/17 16:00	7.6	250	37.1	30.7	FALSE
7/21/17 16:15	7.6	242	37.6	30.7	FALSE
7/21/17 16:30	8.7	240	37.6	30.7	FALSE
7/21/17 16:45	7.0	252	37.6	30.7	FALSE
7/21/17 17:00	7.4	252	37.7	30.7	FALSE
7/21/17 17:15	8.0	250	37.7	30.7	FALSE
7/21/17 17:30	6.7	255	37.6	30.7	FALSE
7/21/17 17:45	7.0	255	37.5	30.7	FALSE
7/21/17 18:00	7.7	259	37.3	30.7	FALSE
7/21/17 18:15	7.9	260	37.4	30.7	FALSE
7/21/17 18:30	5.9	258	37.3	30.7	FALSE
7/21/17 18:45	6.1	244	37.1	30.7	FALSE
7/21/17 19:00	5.6	242	37.1	30.7	FALSE
7/21/17 19:15	4.8	237	36.8	30.7	FALSE
7/21/17 19:30	4.8	240	36.7	30.7	FALSE
7/21/17 19:45	4.9	228	36.5	30.7	FALSE
7/21/17 20:00	5.2	218	36.2	30.7	FALSE
7/21/17 20:15	6.0	218	36	30.7	FALSE
7/21/17 20:30	6.2	217	35.6	30.7	FALSE
7/21/17 20:45	7.7	200	35.1	30.7	FALSE
7/21/17 21:00	9.5	196	34.8	30.7	FALSE
7/21/17 21:15	9.5	205	34.7	30.7	FALSE
7/21/17 21:30	11.0	202	34.4	30.7	FALSE
7/21/17 21:45	9.7	203	34.1	30.7	FALSE
7/21/17 22:00	11.9	196	33.9	30.7	FALSE
7/21/17 22:15	10.4	196	33.9	30.7	FALSE
7/21/17 22:30	10.8	207	33.8	30.7	FALSE
7/21/17 22:45	11.1	210	33.6	30.7	FALSE

7/21/17 23:00	11.1	207	33.4	30.7	FALSE
7/21/17 23:15	12.2	211	33.2	30.7	FALSE
7/21/17 23:30	10.8	217	33	30.7	FALSE
7/21/17 23:45	10.4	217	32.6	30.7	FALSE
7/22/17 0:00	11.2	213	32.3	30.7	FALSE
7/22/17 0:15	8.4	178	32	30.7	FALSE
7/22/17 0:30	8.7	180	31.7	30.7	FALSE
7/22/17 0:45	8.9	183	31.4	30.7	FALSE
7/22/17 1:00	8.2	186	31.2	30.7	FALSE
7/22/17 1:15	8.7	183	31	30.7	FALSE
7/22/17 1:30	8.5	181	30.8	30.7	FALSE
7/22/17 1:45	7.6	184	30.6	30.7	FALSE
7/22/17 2:00	8.2	185	30.4	30.7	FALSE
7/22/17 2:15	8	184	30.2	30.7	FALSE
7/22/17 2:30	7.1	184	30.1	30.7	FALSE
7/22/17 2:45	5.9	184	30	30.7	FALSE
7/22/17 3:00	5.7	186	29.9	30.7	FALSE
7/22/17 3:15	6.3	184	29.9	30.7	FALSE
7/22/17 3:30	6.6	186	29.8	30.7	FALSE
7/22/17 3:45	7.3	184	29.7	30.7	FALSE
7/22/17 4:00	8.1	188	29.5	30.7	FALSE
7/22/17 4:15	7.9	188	29.4	30.7	FALSE
7/22/17 4:30	7.3	184	29.1	30.7	FALSE
7/22/17 4:45	7.5	183	28.9	30.7	FALSE
7/22/17 5:00	7.6	181	28.7	30.7	FALSE
7/22/17 5:15	8.3	187	28.6	30.7	FALSE
7/22/17 5:30	7.4	189	28.5	30.7	FALSE
7/22/17 5:45	8.8	197	28.3	30.7	FALSE
7/22/17 6:00	7.2	192	28.1	30.7	FALSE
7/22/17 6:15	7.6	186	28	30.7	FALSE
7/22/17 6:30	6.7	184	27.9	30.7	FALSE
7/22/17 6:45	7.8	185	28	30.7	FALSE
7/22/17 7:00	7.5	181	28.1	30.7	FALSE
7/22/17 7:15	8.2	184	28.3	30.7	FALSE
7/22/17 7:30	9.3	193	28.5	30.7	FALSE
7/22/17 7:45	9.8	202	28.6	30.7	FALSE
7/22/17 8:00	10.7	202	28.8	30.7	FALSE
7/22/17 8:15	12.5	207	28.8	30.7	FALSE
7/22/17 8:30	10.7	208	29	30.7	FALSE
7/22/17 8:45	8.3	224	29.2	30.7	FALSE
7/22/17 9:00	7.4	281	29.6	30.7	FALSE
7/22/17 9:15	10.9	319	29.6	30.7	FALSE
7/22/17 9:30	11	340	28.9	30.8	FALSE
7/22/17 9:45	11.7	352	28.8	30.8	FALSE
7/22/17 10:00	12.1	14	27.7	30.8	FALSE
7/22/17 10:15	11.3	40	27.7	30.8	FALSE
7/22/17 10:30	10.3	39	28.4	30.7	FALSE

7/22/17 10:45	11.2	67	28.6	30.7	FALSE
7/22/17 11:00	9.8	84	29.3	30.7	FALSE
7/22/17 11:15	8.5	84	29.7	30.7	FALSE
7/22/17 11:30	9	79	30.2	30.7	FALSE
7/22/17 11:45	7.4	103	31	30.7	FALSE
7/22/17 12:00	7.4	106	31.6	30.7	FALSE
7/22/17 12:15	7.7	126	32.2	30.7	FALSE
7/22/17 12:30	9.5	137	32.7	30.7	FALSE
7/22/17 12:45	11.2	146	33.1	30.7	FALSE
7/22/17 13:00	10.2	152	33.5	30.7	FALSE
7/22/17 13:15	11.4	156	34.3	30.7	FALSE
7/22/17 13:30	12.7	160	35	30.7	FALSE
7/22/17 13:45	12.5	171	35.2	30.7	FALSE
7/22/17 14:00	12.3	172	35.7	30.7	FALSE
7/22/17 14:15	13.2	173	36.4	30.7	FALSE
7/22/17 14:30	13.7	176	36.7	30.7	FALSE
7/22/17 14:45	13.9	173	37.1	30.7	FALSE
7/22/17 15:00	12.3	181	37.7	30.7	FALSE
7/22/17 15:15	13.3	171	38.1	30.7	FALSE
7/22/17 15:30	11.5	191	38.6	30.7	FALSE
7/22/17 15:45	12.8	209	39.2	30.7	FALSE
7/22/17 16:00	13.9	220	39.1	30.7	FALSE
7/22/17 16:15	13.1	209	39.3	30.7	FALSE
7/22/17 16:30	12.8	209	39.3	30.7	FALSE
7/22/17 16:45	12.4	224	39.3	30.7	FALSE
7/22/17 17:00	14.1	220	39.1	30.7	FALSE
7/22/17 17:15	13.8	219	39.2	30.7	FALSE
7/22/17 17:30	11.3	228	39.1	30.7	FALSE
7/22/17 17:45	12.5	231	39	30.7	FALSE
7/22/17 18:00	13	233	38.8	30.7	FALSE
7/22/17 18:15	12.8	225	38.6	30.7	FALSE
7/22/17 18:30	9.7	237	38.8	30.7	FALSE
7/22/17 18:45	11.4	213	38.4	30.7	FALSE
7/22/17 19:00	10.4	207	38.2	30.7	FALSE
7/22/17 19:15	10.2	204	38	30.7	FALSE
7/22/17 19:30	9.8	204	37.8	30.7	FALSE
7/22/17 19:45	8.8	205	37.6	30.7	FALSE
7/22/17 20:00	6.4	210	37.3	30.7	FALSE
7/22/17 20:15	5.1	213	37	30.7	FALSE
7/22/17 20:30	5.1	216	36.9	30.7	FALSE
7/22/17 20:45	4.9	210	36.6	30.7	FALSE
7/22/17 21:00	5.8	202	36.3	30.7	FALSE
7/22/17 21:15	5.5	203	36.1	30.7	FALSE
7/22/17 21:30	5	212	35.7	30.7	FALSE
7/22/17 21:45	8.2	284	35.6	30.7	FALSE
7/22/17 22:00	5.8	306	35.2	30.7	FALSE
7/22/17 22:15	5.2	303	34.7	30.7	FALSE



7/22/17 22:30	5.7	294	34.4	30.7	FALSE
7/22/17 22:45	5.9	291	34.2	30.7	FALSE
7/22/17 23:00	5.4	250	34	30.7	FALSE
7/22/17 23:15	7.8	194	32.9	30.7	FALSE
7/22/17 23:30	4.4	203	31.8	30.7	FALSE
7/22/17 23:45	3.7	183	31.4	30.7	FALSE
7/23/17 0:00	5.4	198	31.1	30.7	FALSE
7/23/17 0:15	4.9	168	31	30.7	FALSE
7/23/17 0:30	5.2	180	31.1	30.7	FALSE
7/23/17 0:45	4.4	187	31.1	30.7	FALSE
7/23/17 1:00	5.7	191	30	30.7	FALSE
7/23/17 1:15	5.6	199	28.5	30.7	FALSE
7/23/17 1:30	6.1	215	28.5	30.7	FALSE
7/23/17 1:45	4.5	197	28.3	30.7	FALSE
7/23/17 2:00	5.2	194	28.3	30.7	FALSE
7/23/17 2:15	4.2	217	28.3	30.7	FALSE
7/23/17 2:30	3	195	28.3	30.7	FALSE
7/23/17 2:45	2.3	156	28.5	30.7	FALSE
7/23/17 3:00	8.8	212	28.8	30.7	FALSE
7/23/17 3:15	16.1	231	28.3	30.7	FALSE
7/23/17 3:30	23.4	282	24.2	30.7	FALSE
7/23/17 3:45	16.1	287	22.3	30.7	FALSE
7/23/17 4:00	15	282	22.6	30.7	FALSE
7/23/17 4:15	18.9	265	23.7	30.7	FALSE
7/23/17 4:30	20.6	277	23.9	30.7	FALSE
7/23/17 4:45	17.8	277	23.1	30.7	FALSE
7/23/17 5:00	21	302	23	30.7	FALSE
7/23/17 5:15	22.3	314	22.5	30.7	FALSE
7/23/17 5:30	20.7	309	22.2	30.7	FALSE
7/23/17 5:45	17.9	314	22.1	30.7	FALSE
7/23/17 6:00	21.5	320	22.3	30.7	FALSE
7/23/17 6:15	15.8	332	22.9	30.7	FALSE
7/23/17 6:30	10.1	7	23.3	30.7	FALSE
7/23/17 6:45	5	344	23.8	30.7	FALSE
7/23/17 7:00	2.4	105	23.9	30.7	FALSE
7/23/17 7:15	4.1	134	24	30.7	FALSE
7/23/17 7:30	3.9	157	23.8	30.7	FALSE
7/23/17 7:45	5.3	197	23.5	30.7	FALSE
7/23/17 8:00	8	198	23.7	30.7	FALSE
7/23/17 8:15	9.6	209	23.7	30.7	FALSE
7/23/17 8:30	10.7	199	23.6	30.7	FALSE
7/23/17 8:45	6.3	235	23.7	30.7	FALSE
7/23/17 9:00	7	245	24.2	30.7	FALSE
7/23/17 9:15	8.7	224	24.5	30.7	FALSE
7/23/17 9:30	10.1	214	24.7	30.7	FALSE
7/23/17 9:45	9	226	24.6	30.7	FALSE
7/23/17 10:00	8	209	24.7	30.7	FALSE

7/23/17 10:15	6.9	195	24.8	30.7	FALSE
7/23/17 10:30	7.9	193	24.5	30.7	FALSE
7/23/17 10:45	7.1	189	24.6	30.7	FALSE
7/23/17 11:00	9.9	196	24.7	30.7	FALSE
7/23/17 11:15	7.7	190	25.1	30.7	FALSE
7/23/17 11:30	6.8	194	25.7	30.7	FALSE
7/23/17 11:45	7	201	26	30.7	FALSE
7/23/17 12:00	6.7	197	26.5	30.7	FALSE
7/23/17 12:15	8.1	213	27	30.7	FALSE
7/23/17 12:30	8.4	200	27.8	30.7	FALSE
7/23/17 12:45	7.3	187	28.5	30.7	FALSE
7/23/17 13:00	7.6	213	28.8	30.7	FALSE
7/23/17 13:15	6.9	194	29.4	30.7	FALSE
7/23/17 13:30	7.4	195	29.8	30.7	FALSE
7/23/17 13:45	7.5	202	29.8	30.7	FALSE
7/23/17 14:00	7.5	205	30	30.7	FALSE
7/23/17 14:15	7.4	194	30.3	30.7	FALSE
7/23/17 14:30	7.5	191	30.5	30.7	FALSE
7/23/17 14:45	7.4	199	30.9	30.7	FALSE
7/23/17 15:00	7.1	195	31	30.7	FALSE
7/23/17 15:15	6.5	196	31.2	30.7	FALSE
7/23/17 15:30	7	190	31.5	30.7	FALSE
7/23/17 15:45	7.7	201	31.7	30.7	FALSE
7/23/17 16:00	8.1	198	31.8	30.7	FALSE
7/23/17 16:15	7.7	189	32.1	30.7	FALSE
7/23/17 16:30	6.9	201	32.2	30.7	FALSE
7/23/17 16:45	6.8	184	32.4	30.7	FALSE
7/23/17 17:00	6.8	177	32.7	30.7	FALSE
7/23/17 17:15	7.9	178	32.5	30.7	FALSE
7/23/17 17:30	7.5	181	32.7	30.7	FALSE
7/23/17 17:45	7	187	33	30.7	FALSE
7/23/17 18:00	6.5	184	33	30.7	FALSE
7/23/17 18:15	7.2	184	32.9	30.7	FALSE
7/23/17 18:30	7.2	193	32.7	30.7	FALSE
7/23/17 18:45	6	190	32.8	30.7	FALSE
7/23/17 19:00	8.3	205	32.3	30.7	FALSE
7/23/17 19:15	9	204	31.8	30.7	FALSE
7/23/17 19:30	8.7	207	31.5	30.7	FALSE
7/23/17 19:45	9.4	206	31	30.7	FALSE
7/23/17 20:00	6	210	30.8	30.7	FALSE
7/23/17 20:15	6.6	204	30.5	30.7	FALSE
7/23/17 20:30	7	202	30.1	30.7	FALSE
7/23/17 20:45	4.2	191	29.8	30.7	FALSE
7/23/17 21:00	3.5	181	29.6	30.7	FALSE
7/23/17 21:15	2.9	185	29.2	30.7	FALSE
7/23/17 21:30	3.2	178	29	30.7	FALSE
7/23/17 21:45	3.7	184	28.9	30.7	FALSE

7/23/17 22:00	5	200	28.6	30.7	FALSE
7/23/17 22:15	3.7	186	28.3	30.7	FALSE
7/23/17 22:30	4.8	200	28.1	30.7	FALSE
7/23/17 22:45	4.3	211	28	30.7	FALSE
7/23/17 23:00	4.7	187	27.8	30.7	FALSE
7/23/17 23:15	3.1	182	27.7	30.7	FALSE
7/23/17 23:30	3.3	188	27.4	30.7	FALSE
7/23/17 23:45	3	182	27.4	30.7	FALSE
7/24/17 0:00	2	202	27.3	30.7	FALSE
7/24/17 0:15	3.4	283	27.4	30.7	FALSE
7/24/17 0:30	5.2	317	27.5	30.7	FALSE
7/24/17 0:45	4.9	310	27.1	30.7	FALSE
7/24/17 1:00	5.1	333	26.7	30.7	FALSE
7/24/17 1:15	5.2	337	26	30.7	FALSE
7/24/17 1:30	5.5	339	25.6	30.7	FALSE
7/24/17 1:45	5.8	337	25.3	30.7	FALSE
7/24/17 2:00	6.3	336	25	30.7	FALSE
7/24/17 2:15	5.7	337	24.7	30.7	FALSE
7/24/17 2:30	4	334	24.4	30.7	FALSE
7/24/17 2:45	2.6	358	24.2	30.7	FALSE
7/24/17 3:00	3.2	327	24	30.7	FALSE
7/24/17 3:15	1.6	35	23.9	30.7	FALSE
7/24/17 3:30	0.6	108	23.6	30.7	1
7/24/17 3:45	0.6	347	23.5	30.7	1
7/24/17 4:00	1.9	332	23.3	30.7	FALSE
7/24/17 4:15	3.4	323	23.5	30.7	FALSE
7/24/17 4:30	4.1	325	23.6	30.7	FALSE
7/24/17 4:45	4.8	328	23.4	30.7	FALSE
7/24/17 5:00	3.8	328	23.2	30.7	FALSE
7/24/17 5:15	3.9	335	23	30.7	FALSE
7/24/17 5:30	4.4	334	22.8	30.7	FALSE
7/24/17 5:45	4.1	328	22.8	30.7	FALSE
7/24/17 6:00	4.3	329	22.7	30.8	FALSE
7/24/17 6:15	5.8	328	22.6	30.7	FALSE
7/24/17 6:30	4.8	330	22.5	30.8	FALSE
7/24/17 6:45	2.8	8	22.4	30.8	FALSE
7/24/17 7:00	3	8	22.5	30.8	FALSE
7/24/17 7:15	3.3	356	22.8	30.8	FALSE
7/24/17 7:30	5	339	22.9	30.8	FALSE
7/24/17 7:45	5.2	328	23.2	30.8	FALSE
7/24/17 8:00	5.8	337	23.4	30.8	FALSE
7/24/17 8:15	6.7	340	23.5	30.8	FALSE
7/24/17 8:30	6.8	345	23.6	30.8	FALSE
7/24/17 8:45	6.5	346	24	30.8	FALSE
7/24/17 9:00	6.7	352	24.2	30.8	FALSE
7/24/17 9:15	7.2	336	24.6	30.8	FALSE
7/24/17 9:30	5.6	3	25.1	30.8	FALSE

7/24/17 9:45	7	336	25.3	30.8	FALSE
7/24/17 10:00	7.2	354	25.5	30.8	FALSE
7/24/17 10:15	6.2	350	26	30.8	FALSE
7/24/17 10:30	6.5	344	26.4	30.8	FALSE
7/24/17 10:45	6.8	333	26.9	30.8	FALSE
7/24/17 11:00	7.3	336	27.1	30.8	FALSE
7/24/17 11:15	7.7	347	27.3	30.8	FALSE
7/24/17 11:30	5.9	350	27.8	30.8	FALSE
7/24/17 11:45	6.7	345	27.9	30.8	FALSE
7/24/17 12:00	6.3	318	28.5	30.8	FALSE
7/24/17 12:15	7.5	349	28.7	30.8	FALSE
7/24/17 12:30	6.8	349	29	30.8	FALSE
7/24/17 12:45	7.5	330	29.1	30.8	FALSE
7/24/17 13:00	6.4	352	29.4	30.8	FALSE
7/24/17 13:15	6.7	339	29.6	30.8	FALSE
7/24/17 13:30	5.5	347	29.7	30.8	FALSE
7/24/17 13:45	5.1	328	30	30.8	FALSE
7/24/17 14:00	6.1	342	30.2	30.8	FALSE
7/24/17 14:15	8	353	30.2	30.8	FALSE
7/24/17 14:30	6.2	327	29.7	30.8	FALSE
7/24/17 14:45	7.2	339	29.6	30.8	FALSE
7/24/17 15:00	6.4	358	30.4	30.8	FALSE
7/24/17 15:15	7.2	358	29.8	30.8	FALSE
7/24/17 15:30	6.4	8	30.6	30.8	FALSE
7/24/17 15:45	7.2	343	30.7	30.8	FALSE
7/24/17 16:00	8.1	333	30.4	30.8	FALSE
7/24/17 16:15	8.2	343	30.4	30.8	FALSE
7/24/17 16:30	9.4	330	30.4	30.8	FALSE
7/24/17 16:45	7.2	339	30.5	30.8	FALSE
7/24/17 17:00	9	338	30.5	30.8	FALSE
7/24/17 17:15	8.3	0	30.4	30.8	FALSE
7/24/17 17:30	8.8	343	30.4	30.8	FALSE
7/24/17 17:45	7	340	30.6	30.8	FALSE
7/24/17 18:00	7.4	3	30.4	30.8	FALSE
7/24/17 18:15	7	348	30.5	30.8	FALSE
7/24/17 18:30	8.4	341	30.2	30.8	FALSE
7/24/17 18:45	8.5	346	30	30.8	FALSE
7/24/17 19:00	7.8	341	29.9	30.8	FALSE
7/24/17 19:15	6.4	349	30	30.8	FALSE
7/24/17 19:30	5.2	5	30	30.8	FALSE
7/24/17 19:45	6.5	347	29.4	30.8	FALSE
7/24/17 20:00	5.9	344	29	30.8	FALSE
7/24/17 20:15	4.8	354	28.5	30.8	FALSE
7/24/17 20:30	2.8	10	28.2	30.8	FALSE
7/24/17 20:45	2.7	2	27.5	30.8	FALSE
7/24/17 21:00	4.6	13	27	30.8	FALSE
7/24/17 21:15	5.2	6	26.5	30.8	FALSE

7/24/17 21:30	4.4	10	26.2	30.8	FALSE
7/24/17 21:45	4.8	13	26	30.8	FALSE
7/24/17 22:00	5.5	19	25.9	30.8	FALSE
7/24/17 22:15	5.5	21	25.8	30.8	FALSE
7/24/17 22:30	4.6	19	25.6	30.8	FALSE
7/24/17 22:45	4	25	25.4	30.8	FALSE
7/24/17 23:00	5.4	21	25.3	30.8	FALSE
7/24/17 23:15	4.7	26	25.1	30.8	FALSE
7/24/17 23:30	5.1	28	25	30.8	FALSE
7/24/17 23:45	4.5	30	24.9	30.8	FALSE
7/25/17 0:00	5	28	24.8	30.8	FALSE
7/25/17 0:15	4.9	28	24.7	30.8	FALSE
7/25/17 0:30	4.5	33	24.6	30.8	FALSE
7/25/17 0:45	4.9	37	24.6	30.8	FALSE
7/25/17 1:00	4.6	42	24.6	30.8	FALSE
7/25/17 1:15	4.4	43	24.5	30.8	FALSE
7/25/17 1:30	4.4	48	24.3	30.8	FALSE
7/25/17 1:45	4.1	53	24.2	30.8	FALSE
7/25/17 2:00	4.2	54	24	30.8	FALSE
7/25/17 2:15	4	38	23.9	30.8	FALSE
7/25/17 2:30	3.6	26	23.6	30.8	FALSE
7/25/17 2:45	3.6	30	23.4	30.8	FALSE
7/25/17 3:00	4	16	23.2	30.8	FALSE
7/25/17 3:15	4.2	9	23	30.8	FALSE
7/25/17 3:30	5	27	22.8	30.8	FALSE
7/25/17 3:45	5.1	36	22.7	30.8	FALSE
7/25/17 4:00	5.9	41	22.6	30.8	FALSE
7/25/17 4:15	4.3	33	22.5	30.8	FALSE
7/25/17 4:30	3.4	26	22.3	30.8	FALSE
7/25/17 4:45	3.4	43	22.2	30.8	FALSE
7/25/17 5:00	4.5	47	22.2	30.8	FALSE
7/25/17 5:15	5	48	22.2	30.8	FALSE
7/25/17 5:30	4.3	48	22.1	30.8	FALSE
7/25/17 5:45	4.4	36	22.1	30.8	FALSE
7/25/17 6:00	3.9	26	22	30.8	FALSE
7/25/17 6:15	4.3	32	21.9	30.8	FALSE
7/25/17 6:30	4.5	30	21.9	30.8	FALSE
7/25/17 6:45	4	30	22	30.8	FALSE
7/25/17 7:00	4.5	29	22.1	30.8	FALSE
7/25/17 7:15	4	24	22.4	30.8	FALSE
7/25/17 7:30	4.2	21	22.7	30.8	FALSE
7/25/17 7:45	3.7	26	23.2	30.8	FALSE
7/25/17 8:00	4.5	37	23.4	30.8	FALSE
7/25/17 8:15	5.1	50	23.8	30.8	FALSE
7/25/17 8:30	5.9	54	24.2	30.8	FALSE
7/25/17 8:45	6.1	64	24.5	30.8	FALSE
7/25/17 9:00	5.6	77	25.3	30.8	FALSE

7/25/17 9:15	5.6	63	25.6	30.8	FALSE
7/25/17 9:30	5.4	79	26.2	30.8	FALSE
7/25/17 9:45	6.8	65	26.1	30.8	FALSE
7/25/17 10:00	6.3	72	26.6	30.8	FALSE
7/25/17 10:15	5.8	76	27.3	30.8	FALSE
7/25/17 10:30	6.4	48	27.9	30.8	FALSE
7/25/17 10:45	5.1	60	28.3	30.8	FALSE
7/25/17 11:00	5.4	73	28.8	30.8	FALSE
7/25/17 11:15	5.9	57	29.3	30.8	FALSE
7/25/17 11:30	5.8	58	29.3	30.8	FALSE
7/25/17 11:45	4.2	115	29.9	30.8	FALSE
7/25/17 12:00	5	76	30.1	30.8	FALSE
7/25/17 12:15	5.4	86	30.3	30.8	FALSE
7/25/17 12:30	5.2	35	30.5	30.8	FALSE
7/25/17 12:45	6.5	34	30.2	30.8	FALSE
7/25/17 13:00	5.7	47	30.9	30.8	FALSE
7/25/17 13:15	5.2	24	31.3	30.8	FALSE
7/25/17 13:30	5.7	53	31.4	30.8	FALSE
7/25/17 13:45	6.9	54	31.5	30.8	FALSE
7/25/17 14:00	6.2	37	31.9	30.8	FALSE
7/25/17 14:15	7.3	54	31.7	30.8	FALSE
7/25/17 14:30	7.7	43	31.7	30.8	FALSE
7/25/17 14:45	8.6	30	31.8	30.8	FALSE
7/25/17 15:00	7.3	17	31.5	30.8	FALSE
7/25/17 15:15	6.8	30	31.3	30.8	FALSE
7/25/17 15:30	7.3	24	32	30.8	FALSE
7/25/17 15:45	6.6	27	32.3	30.8	FALSE
7/25/17 16:00	7.4	58	32.2	30.8	FALSE
7/25/17 16:15	6.7	49	32.4	30.8	FALSE
7/25/17 16:30	7.2	52	31.8	30.8	FALSE
7/25/17 16:45	6.7	43	32	30.8	FALSE
7/25/17 17:00	7.7	54	32.4	30.8	FALSE
7/25/17 17:15	6	47	32.5	30.8	FALSE
7/25/17 17:30	7.4	38	32	30.8	FALSE
7/25/17 17:45	7.1	45	32	30.8	FALSE
7/25/17 18:00	6.8	35	32.1	30.8	FALSE
7/25/17 18:15	6.9	43	32.3	30.8	FALSE
7/25/17 18:30	7.7	45	32	30.8	FALSE
7/25/17 18:45	7.2	47	32	30.8	FALSE
7/25/17 19:00	6.9	59	31.8	30.8	FALSE
7/25/17 19:15	6.8	55	31.7	30.8	FALSE
7/25/17 19:30	7.4	57	31.5	30.8	FALSE
7/25/17 19:45	8.3	54	31	30.8	FALSE
7/25/17 20:00	7.8	62	30.7	30.8	FALSE
7/25/17 20:15	7.1	72	30.3	30.8	FALSE
7/25/17 20:30	6.5	75	29.9	30.8	FALSE
7/25/17 20:45	6.5	76	29.6	30.8	FALSE

7/25/17 21:00	6.2	70	29.4	30.8	FALSE
7/25/17 21:15	5.9	76	29.2	30.8	FALSE
7/25/17 21:30	6	72	29	30.8	FALSE
7/25/17 21:45	4.8	70	28.9	30.8	FALSE
7/25/17 22:00	4.6	69	28.7	30.8	FALSE
7/25/17 22:15	4.6	69	28.5	30.8	FALSE
7/25/17 22:30	5.9	80	28.4	30.8	FALSE
7/25/17 22:45	5.8	83	28.2	30.8	FALSE
7/25/17 23:00	5.8	85	28.2	30.8	FALSE
7/25/17 23:15	5.1	89	28.1	30.8	FALSE
7/25/17 23:30	6.5	85	28	30.8	FALSE
7/25/17 23:45	6.5	89	27.8	30.8	FALSE
7/26/17 0:00	6.4	90	27.8	30.8	FALSE
7/26/17 0:15	5.6	97	27.6	30.8	FALSE
7/26/17 0:30	5.7	96	27.3	30.8	FALSE
7/26/17 0:45	5.2	91	27.1	30.8	FALSE
7/26/17 1:00	6.4	90	26.9	30.8	FALSE
7/26/17 1:15	5.7	92	26.7	30.8	FALSE
7/26/17 1:30	4.8	93	26.6	30.8	FALSE
7/26/17 1:45	5	90	26.5	30.8	FALSE
7/26/17 2:00	4.9	89	26.4	30.8	FALSE
7/26/17 2:15	4.1	89	26.4	30.8	FALSE
7/26/17 2:30	4.1	92	26.4	30.8	FALSE
7/26/17 2:45	4.9	96	26.2	30.8	FALSE
7/26/17 3:00	4	107	26.1	30.8	FALSE
7/26/17 3:15	4.7	96	26	30.8	FALSE
7/26/17 3:30	4.3	97	26	30.8	FALSE
7/26/17 3:45	4	95	25.8	30.8	FALSE
7/26/17 4:00	4.7	96	25.7	30.8	FALSE
7/26/17 4:15	3.7	105	25.6	30.8	FALSE
7/26/17 4:30	3.3	108	25.5	30.8	FALSE
7/26/17 4:45	3.1	113	25.4	30.8	FALSE
7/26/17 5:00	3.7	108	25.3	30.8	FALSE
7/26/17 5:15	2.9	119	25.2	30.8	FALSE
7/26/17 5:30	2.8	111	25.1	30.8	FALSE
7/26/17 5:45	3.5	96	24.9	30.8	FALSE
7/26/17 6:00	2.5	98	24.8	30.8	FALSE
7/26/17 6:15	3	90	24.7	30.8	FALSE
7/26/17 6:30	2.8	106	24.6	30.8	FALSE
7/26/17 6:45	2.8	108	24.6	30.8	FALSE
7/26/17 7:00	3.5	105	24.8	30.8	FALSE
7/26/17 7:15	2.8	120	25.1	30.8	FALSE
7/26/17 7:30	3.1	98	25.6	30.8	FALSE
7/26/17 7:45	3.2	105	25.8	30.8	FALSE
7/26/17 8:00	3	110	26.3	30.8	FALSE
7/26/17 8:15	3.8	136	26.8	30.8	FALSE
7/26/17 8:30	3.6	145	27.1	30.8	FALSE

7/26/17 8:45	4.1	169	27.4	30.8	FALSE
7/26/17 9:00	3.8	161	27.5	30.8	FALSE
7/26/17 9:15	4.1	163	28	30.8	FALSE
7/26/17 9:30	4.9	183	28.6	30.8	FALSE
7/26/17 9:45	6.8	200	28.6	30.8	FALSE
7/26/17 10:00	5.1	195	29.1	30.8	FALSE
7/26/17 10:15	6	210	29.7	30.8	FALSE
7/26/17 10:30	6.1	207	29.8	30.8	FALSE
7/26/17 10:45	6	226	30.6	30.8	FALSE
7/26/17 11:00	5.7	206	31.2	30.8	FALSE
7/26/17 11:15	6.1	206	31.4	30.8	FALSE
7/26/17 11:30	4.8	220	31.9	30.8	FALSE
7/26/17 11:45	5.6	203	32.6	30.8	FALSE
7/26/17 12:00	5.8	317	33.2	30.8	FALSE
7/26/17 12:15	7	272	33.3	30.8	FALSE
7/26/17 12:30	4.3	304	33.7	30.8	FALSE
7/26/17 12:45	4.7	227	34.6	30.8	FALSE
7/26/17 13:00	6.3	277	34.1	30.8	FALSE
7/26/17 13:15	4.8	273	34	30.8	FALSE
7/26/17 13:30	5.7	286	33.8	30.8	FALSE
7/26/17 13:45	6.8	298	34	30.8	FALSE
7/26/17 14:00	6.7	284	33.6	30.8	FALSE
7/26/17 14:15	5.5	265	33.8	30.8	FALSE
7/26/17 14:30	6	258	33.8	30.8	FALSE
7/26/17 14:45	4.7	280	34.1	30.8	FALSE
7/26/17 15:00	5.8	275	34	30.8	FALSE
7/26/17 15:15	7.5	250	34.5	30.8	FALSE
7/26/17 15:30	6.6	241	34.6	30.8	FALSE
7/26/17 15:45	5.9	265	34.6	30.8	FALSE
7/26/17 16:00	7.9	254	35	30.8	FALSE
7/26/17 16:15	8.3	245	34.7	30.8	FALSE
7/26/17 16:30	6.5	253	34.7	30.8	FALSE
7/26/17 16:45	6.8	242	34.9	30.8	FALSE
7/26/17 17:00	6.5	253	35.1	30.8	FALSE
7/26/17 17:15	5.7	253	34.8	30.8	FALSE
7/26/17 17:30	5.8	7	34.4	30.8	FALSE
7/26/17 17:45	6.8	359	33.2	30.8	FALSE
7/26/17 18:00	7.4	357	32.9	30.8	FALSE
7/26/17 18:15	5.3	18	32.8	30.8	FALSE
7/26/17 18:30	4.8	20	32.7	30.8	FALSE
7/26/17 18:45	4.6	16	32.7	30.8	FALSE
7/26/17 19:00	3.8	16	32.7	30.8	FALSE
7/26/17 19:15	4.1	16	32.5	30.8	FALSE
7/26/17 19:30	3.6	16	32.3	30.8	FALSE
7/26/17 19:45	3.8	72	32.3	30.8	FALSE
7/26/17 20:00	5.8	110	32	30.8	FALSE
7/26/17 20:15	4.9	108	31.4	30.8	FALSE



7/26/17 20:30	5.6	107	31	30.8	FALSE
7/26/17 20:45	4.1	108	30.7	30.8	FALSE
7/26/17 21:00	3.4	115	30.5	30.8	FALSE
7/26/17 21:15	2.4	88	30.3	30.8	FALSE
7/26/17 21:30	3.5	116	30	30.8	FALSE
7/26/17 21:45	3.9	126	29.9	30.8	FALSE
7/26/17 22:00	3.9	132	29.7	30.8	FALSE
7/26/17 22:15	3.5	142	29.6	30.8	FALSE
7/26/17 22:30	7.6	201	29.4	30.8	FALSE
7/26/17 22:45	5.9	26	26.8	30.8	FALSE
7/26/17 23:00	2.7	72	25.6	30.8	FALSE
7/26/17 23:15	3.5	93	25.6	30.8	FALSE
7/26/17 23:30	2.4	144	25.8	30.8	FALSE
7/26/17 23:45	2	167	26.1	30.8	FALSE
7/27/17 0:00	2	126	26.3	30.8	FALSE
7/27/17 0:15	1.9	116	26.2	30.8	FALSE
7/27/17 0:30	2.7	131	26.3	30.7	FALSE
7/27/17 0:45	1.7	123	26.5	30.7	FALSE
7/27/17 1:00	2.7	163	26.6	30.7	FALSE
7/27/17 1:15	2.3	19	26.7	30.7	FALSE
7/27/17 1:30	3.4	3	26.4	30.7	FALSE
7/27/17 1:45	3.6	59	26.1	30.7	FALSE
7/27/17 2:00	3.2	36	26	30.7	FALSE
7/27/17 2:15	6.5	352	25.7	30.7	FALSE
7/27/17 2:30	4.3	4	25.5	30.7	FALSE
7/27/17 2:45	4.2	341	25.4	30.7	FALSE
7/27/17 3:00	14.1	289	25	30.8	FALSE
7/27/17 3:15	10.6	313	24.2	30.8	FALSE
7/27/17 3:30	4.8	332	24	30.8	FALSE
7/27/17 3:45	4.6	321	23.9	30.8	FALSE
7/27/17 4:00	2.9	344	23.8	30.8	FALSE
7/27/17 4:15	3.2	58	23.7	30.8	FALSE
7/27/17 4:30	4	35	23.5	30.8	FALSE
7/27/17 4:45	5.4	36	23.3	30.7	FALSE
7/27/17 5:00	3.2	93	23.3	30.7	FALSE
7/27/17 5:15	7.1	255	23.4	30.8	FALSE
7/27/17 5:30	4.9	213	23	30.8	FALSE
7/27/17 5:45	2.7	251	23.4	30.8	FALSE
7/27/17 6:00	1.9	161	23.6	30.8	FALSE
7/27/17 6:15	2	135	23.6	30.8	FALSE
7/27/17 6:30	1.5	92	23.7	30.8	FALSE
7/27/17 6:45	2.2	91	23.7	30.8	FALSE
7/27/17 7:00	2.1	152	23.7	30.8	FALSE
7/27/17 7:15	3.3	186	23.8	30.8	FALSE
7/27/17 7:30	2.8	199	23.9	30.8	FALSE
7/27/17 7:45	3.7	203	24	30.8	FALSE
7/27/17 8:00	4.8	204	24.1	30.8	FALSE

7/27/17 8:15	3.9	183	24.2	30.8	FALSE
7/27/17 8:30	2.8	175	24.2	30.8	FALSE
7/27/17 8:45	3	177	24.3	30.8	FALSE
7/27/17 9:00	3.9	192	24.4	30.8	FALSE
7/27/17 9:15	4.4	206	24.6	30.8	FALSE
7/27/17 9:30	4.4	203	24.7	30.8	FALSE
7/27/17 9:45	3.7	239	24.8	30.8	FALSE
7/27/17 10:00	1.9	233	24.6	30.8	FALSE
7/27/17 10:15	3.6	177	24.5	30.8	FALSE
7/27/17 10:30	4.4	186	24.8	30.8	FALSE
7/27/17 10:45	5.2	194	25	30.8	FALSE
7/27/17 11:00	6.3	203	25.5	30.8	FALSE
7/27/17 11:15	8.8	202	25.6	30.8	FALSE
7/27/17 11:30	9.3	201	25.6	30.8	FALSE
7/27/17 11:45	9.5	203	25.6	30.8	FALSE
7/27/17 12:00	10.3	205	25.7	30.8	FALSE
7/27/17 12:15	9.4	215	25.9	30.8	FALSE
7/27/17 12:30	8.9	216	26.1	30.8	FALSE
7/27/17 12:45	9.8	215	26.2	30.8	FALSE
7/27/17 13:00	9.5	212	26.3	30.8	FALSE
7/27/17 13:15	9.9	201	26.2	30.8	FALSE
7/27/17 13:30	8.8	208	26.4	30.7	FALSE
7/27/17 13:45	9.4	203	26.9	30.7	FALSE
7/27/17 14:00	10	199	27	30.7	FALSE
7/27/17 14:15	7.9	207	27.1	30.7	FALSE
7/27/17 14:30	8.2	198	27.1	30.7	FALSE
7/27/17 14:45	6.2	206	27.7	30.7	FALSE
7/27/17 15:00	5.6	204	27.8	30.7	FALSE
7/27/17 15:15	7.5	212	28.5	30.7	FALSE
7/27/17 15:30	6.3	197	28.9	30.7	FALSE
7/27/17 15:45	6.7	208	28.5	30.7	FALSE
7/27/17 16:00	5	206	28.4	30.7	FALSE
7/27/17 16:15	5.7	228	28.3	30.7	FALSE
7/27/17 16:30	5.1	271	27.9	30.7	FALSE
7/27/17 16:45	4.8	206	28.7	30.7	FALSE
7/27/17 17:00	5.2	204	28.4	30.7	FALSE
7/27/17 17:15	4.9	188	27.9	30.7	FALSE
7/27/17 17:30	6.3	197	27.8	30.7	FALSE
7/27/17 17:45	5.5	209	27.4	30.7	FALSE
7/27/17 18:00	8.8	234	26.3	30.7	FALSE
7/27/17 18:15	5.6	229	25.7	30.7	FALSE
7/27/17 18:30	5.1	220	26.1	30.7	FALSE
7/27/17 18:45	4.5	271	26.1	30.7	FALSE
7/27/17 19:00	4.3	282	25.6	30.7	FALSE
7/27/17 19:15	3.1	255	25.6	30.7	FALSE
7/27/17 19:30	4.5	296	25.6	30.7	FALSE
7/27/17 19:45	5.2	303	25.7	30.7	FALSE

7/27/17 20:00	5	319	25.7	30.7	FALSE
7/27/17 20:15	5.6	328	25.7	30.7	FALSE
7/27/17 20:30	5.1	335	25.6	30.7	FALSE
7/27/17 20:45	4.5	349	25.4	30.7	FALSE
7/27/17 21:00	3.4	354	25.2	30.7	FALSE
7/27/17 21:15	1.8	24	25.2	30.7	FALSE
7/27/17 21:30	1.2	31	25.1	30.7	FALSE
7/27/17 21:45	1.9	325	24.9	30.7	FALSE
7/27/17 22:00	1.3	3	24.8	30.7	FALSE
7/27/17 22:15	1.8	301	24.7	30.7	FALSE
7/27/17 22:30	1.6	338	24.9	30.7	FALSE
7/27/17 22:45	1.2	184	25	30.7	FALSE
7/27/17 23:00	0.8	286	25.1	30.7	1
7/27/17 23:15	1.4	295	25	30.7	FALSE
7/27/17 23:30	2.4	236	25.1	30.7	FALSE
7/27/17 23:45	2.1	229	25.2	30.7	FALSE
7/28/17 0:00	2.2	269	25.2	30.7	FALSE
7/28/17 0:15	2.8	248	25.2	30.7	FALSE
7/28/17 0:30	2.4	260	25.1	30.7	FALSE
7/28/17 0:45	1.4	252	25	30.7	FALSE
7/28/17 1:00	2.7	253	25	30.7	FALSE
7/28/17 1:15	3.5	294	25	30.7	FALSE
7/28/17 1:30	4.9	317	25	30.7	FALSE
7/28/17 1:45	5.1	322	25	30.7	FALSE
7/28/17 2:00	6.5	338	25	30.7	FALSE
7/28/17 2:15	6.2	347	24.9	30.7	FALSE
7/28/17 2:30	8.6	347	24.8	30.7	FALSE
7/28/17 2:45	8	349	24.5	30.7	FALSE
7/28/17 3:00	7.7	358	24.2	30.7	FALSE
7/28/17 3:15	7.7	0	24	30.7	FALSE
7/28/17 3:30	8.4	359	23.8	30.7	FALSE
7/28/17 3:45	7	355	23.5	30.7	FALSE
7/28/17 4:00	6.2	358	23.4	30.7	FALSE
7/28/17 4:15	6	9	23.3	30.7	FALSE
7/28/17 4:30	6.4	1	23.2	30.7	FALSE
7/28/17 4:45	5.3	9	23.1	30.7	FALSE
7/28/17 5:00	4	13	22.9	30.7	FALSE
7/28/17 5:15	4.9	353	22.8	30.7	FALSE
7/28/17 5:30	3.7	2	22.7	30.7	FALSE
7/28/17 5:45	3.1	3	22.6	30.7	FALSE
7/28/17 6:00	2.5	6	22.6	30.7	FALSE
7/28/17 6:15	3.1	329	22.4	30.7	FALSE
7/28/17 6:30	3.2	343	22.3	30.7	FALSE
7/28/17 6:45	2.7	330	22.3	30.7	FALSE
7/28/17 7:00	5.2	324	22.5	30.7	FALSE
7/28/17 7:15	6.8	328	22.6	30.7	FALSE
7/28/17 7:30	8.5	333	22.7	30.7	FALSE

7/28/17 7:45	8.9	328	22.5	30.7	FALSE
7/28/17 8:00	9	329	22.3	30.7	FALSE
7/28/17 8:15	9.4	335	22.4	30.7	FALSE
7/28/17 8:30	8.3	346	22.6	30.7	FALSE
7/28/17 8:45	8.4	350	22.7	30.7	FALSE
7/28/17 9:00	9.4	341	22.8	30.7	FALSE
7/28/17 9:15	8.1	345	23.2	30.7	FALSE
7/28/17 9:30	8.7	333	23.4	30.8	FALSE
7/28/17 9:45	8.1	335	23.7	30.8	FALSE
7/28/17 10:00	8.8	339	24	30.7	FALSE
7/28/17 10:15	8.2	334	24.5	30.8	FALSE
7/28/17 10:30	9.3	322	24.9	30.8	FALSE
7/28/17 10:45	9.1	334	25.3	30.8	FALSE
7/28/17 11:00	9.3	343	26	30.8	FALSE
7/28/17 11:15	10.9	338	26	30.7	FALSE
7/28/17 11:30	11.3	340	26.2	30.8	FALSE
7/28/17 11:45	12.8	335	26.5	30.8	FALSE
7/28/17 12:00	11.9	333	26.8	30.8	FALSE
7/28/17 12:15	11.7	342	27	30.7	FALSE
7/28/17 12:30	12.5	342	27.1	30.7	FALSE
7/28/17 12:45	12.3	337	27.6	30.7	FALSE
7/28/17 13:00	12.5	339	27.6	30.7	FALSE
7/28/17 13:15	11	334	27.8	30.7	FALSE
7/28/17 13:30	12.6	333	28	30.7	FALSE
7/28/17 13:45	12.2	343	28.2	30.7	FALSE
7/28/17 14:00	12.7	339	28.3	30.7	FALSE
7/28/17 14:15	12	351	28.6	30.7	FALSE
7/28/17 14:30	12.9	350	28.6	30.7	FALSE
7/28/17 14:45	12.4	350	28.7	30.7	FALSE
7/28/17 15:00	12.7	343	29	30.7	FALSE
7/28/17 15:15	13.6	337	28.7	30.7	FALSE
7/28/17 15:30	12.9	341	28.9	30.7	FALSE
7/28/17 15:45	12.1	358	28.9	30.7	FALSE
7/28/17 16:00	12	341	29.1	30.7	FALSE
7/28/17 16:15	12.1	339	29.3	30.7	FALSE
7/28/17 16:30	11.7	347	29	30.7	FALSE
7/28/17 16:45	12.8	341	28.9	30.7	FALSE
7/28/17 17:00	11.4	350	29	30.7	FALSE
7/28/17 17:15	12.4	344	28.9	30.7	FALSE
7/28/17 17:30	12.3	337	29	30.7	FALSE
7/28/17 17:45	10.3	356	29.2	30.7	FALSE
7/28/17 18:00	11.2	357	28.9	30.7	FALSE
7/28/17 18:15	9.9	346	29	30.7	FALSE
7/28/17 18:30	11.2	347	28.7	30.7	FALSE
7/28/17 18:45	10.1	348	28.7	30.7	FALSE
7/28/17 19:00	12.7	342	28	30.7	FALSE
7/28/17 19:15	10.9	338	27.4	30.7	FALSE

7/28/17 19:30	10.5	339	27.3	30.7	FALSE
7/28/17 19:45	10.1	340	27.3	30.7	FALSE
7/28/17 20:00	10.8	342	27	30.7	FALSE
7/28/17 20:15	7.3	346	26.7	30.8	FALSE
7/28/17 20:30	7	346	26.3	30.8	FALSE
7/28/17 20:45	5.9	344	25.8	30.8	FALSE
7/28/17 21:00	6.5	349	25.5	30.8	FALSE
7/28/17 21:15	5.4	353	25.2	30.8	FALSE
7/28/17 21:30	4.5	355	24.8	30.8	FALSE
7/28/17 21:45	3.7	7	24.5	30.8	FALSE
7/28/17 22:00	4.3	355	24.2	30.8	FALSE
7/28/17 22:15	4.4	351	24	30.8	FALSE
7/28/17 22:30	3.8	352	23.8	30.8	FALSE
7/28/17 22:45	3.2	354	23.5	30.8	FALSE
7/28/17 23:00	2.6	360	23.3	30.8	FALSE
7/28/17 23:15	3.6	2	23.3	30.8	FALSE
7/28/17 23:30	4.1	8	23.2	30.8	FALSE
7/28/17 23:45	3.2	1	22.9	30.8	FALSE
7/29/17 0:00	3.7	352	22.6	30.8	FALSE
7/29/17 0:15	3.2	1	22.3	30.8	FALSE
7/29/17 0:30	3.1	2	22	30.8	FALSE
7/29/17 0:45	3.5	11	21.8	30.8	FALSE
7/29/17 1:00	3.5	359	21.6	30.8	FALSE
7/29/17 1:15	4	359	21.5	30.8	FALSE
7/29/17 1:30	4.2	1	21.5	30.8	FALSE
7/29/17 1:45	4.1	353	21.2	30.8	FALSE
7/29/17 2:00	3.9	355	21	30.8	FALSE
7/29/17 2:15	4.7	351	20.7	30.8	FALSE
7/29/17 2:30	3.9	360	20.5	30.8	FALSE
7/29/17 2:45	3.8	354	20.3	30.8	FALSE
7/29/17 3:00	3.1	360	20.1	30.8	FALSE
7/29/17 3:15	4.1	348	20	30.8	FALSE
7/29/17 3:30	3.7	340	19.8	30.8	FALSE
7/29/17 3:45	3.6	344	19.4	30.8	FALSE
7/29/17 4:00	4	352	19.4	30.8	FALSE
7/29/17 4:15	4.1	353	19.2	30.8	FALSE
7/29/17 4:30	3.4	351	19.1	30.8	FALSE
7/29/17 4:45	3.9	353	18.8	30.8	FALSE
7/29/17 5:00	4.2	10	18.8	30.8	FALSE
7/29/17 5:15	4.6	15	18.8	30.8	FALSE
7/29/17 5:30	4.4	5	18.8	30.8	FALSE
7/29/17 5:45	3.9	9	18.7	30.8	FALSE
7/29/17 6:00	4.3	3	18.6	30.8	FALSE
7/29/17 6:15	2.7	359	18.4	30.8	FALSE
7/29/17 6:30	2.7	353	18.2	30.8	FALSE
7/29/17 6:45	3.1	353	18.2	30.8	FALSE
7/29/17 7:00	3.2	352	18.5	30.8	FALSE

7/29/17 7:15	3.2	358	19	30.8	FALSE
7/29/17 7:30	3.2	353	19.5	30.8	FALSE
7/29/17 7:45	3.1	7	20	30.8	FALSE
7/29/17 8:00	3.6	1	20.5	30.8	FALSE
7/29/17 8:15	4.3	3	20.9	30.8	FALSE
7/29/17 8:30	4.9	4	21.1	30.8	FALSE
7/29/17 8:45	5	6	21.4	30.8	FALSE
7/29/17 9:00	4.5	1	21.9	30.8	FALSE
7/29/17 9:15	5.3	342	22.2	30.8	FALSE
7/29/17 9:30	5.1	357	22.5	30.8	FALSE
7/29/17 9:45	5.1	352	22.8	30.8	FALSE
7/29/17 10:00	5.1	343	23.3	30.8	FALSE
7/29/17 10:15	5.4	326	23.5	30.8	FALSE
7/29/17 10:30	6.1	315	23.8	30.8	FALSE
7/29/17 10:45	5.5	332	24.2	30.8	FALSE
7/29/17 11:00	6	330	24.6	30.8	FALSE
7/29/17 11:15	6.6	334	25	30.8	FALSE
7/29/17 11:30	7.1	349	25.5	30.8	FALSE
7/29/17 11:45	7.6	359	25.3	30.8	FALSE
7/29/17 12:00	8.5	12	25.4	30.8	FALSE
7/29/17 12:15	7.8	19	25.4	30.8	FALSE
7/29/17 12:30	6.2	355	26.1	30.8	FALSE
7/29/17 12:45	9.6	2	26.1	30.8	FALSE
7/29/17 13:00	9.9	358	26.2	30.8	FALSE
7/29/17 13:15	8.7	17	26.6	30.8	FALSE
7/29/17 13:30	10	346	26.4	30.8	FALSE
7/29/17 13:45	10.5	347	26.5	30.8	FALSE
7/29/17 14:00	11.9	357	26.3	30.8	FALSE
7/29/17 14:15	11.1	349	26.3	30.8	FALSE
7/29/17 14:30	10.4	5	26.3	30.8	FALSE
7/29/17 14:45	9.3	9	26.7	30.8	FALSE
7/29/17 15:00	9.1	17	26.6	30.8	FALSE
7/29/17 15:15	8.7	8	26.8	30.8	FALSE
7/29/17 15:30	10.8	353	26.7	30.8	FALSE
7/29/17 15:45	11.7	342	26.7	30.8	FALSE
7/29/17 16:00	11.7	355	26.6	30.8	FALSE
7/29/17 16:15	12.1	354	26.6	30.8	FALSE
7/29/17 16:30	10.2	13	26.8	30.8	FALSE
7/29/17 16:45	10.2	3	26.6	30.8	FALSE
7/29/17 17:00	11.5	344	26.7	30.8	FALSE
7/29/17 17:15	11.6	5	26.7	30.8	FALSE
7/29/17 17:30	10	2	26.6	30.8	FALSE
7/29/17 17:45	9.4	352	26.8	30.8	FALSE
7/29/17 18:00	10.7	338	26.5	30.8	FALSE
7/29/17 18:15	9.9	343	26.3	30.8	FALSE
7/29/17 18:30	9.5	11	26	30.8	FALSE
7/29/17 18:45	8.8	12	25.8	30.8	FALSE

7/29/17 19:00	9	6	25.6	30.8	FALSE
7/29/17 19:15	8.1	11	25.4	30.8	FALSE
7/29/17 19:30	6.7	14	25.2	30.8	FALSE
7/29/17 19:45	6.9	11	24.8	30.8	FALSE
7/29/17 20:00	5.6	14	24.5	30.8	FALSE
7/29/17 20:15	4.1	5	24.2	30.8	FALSE
7/29/17 20:30	4.1	9	23.5	30.8	FALSE
7/29/17 20:45	4	20	22.7	30.8	FALSE
7/29/17 21:00	3.8	24	22.2	30.8	FALSE
7/29/17 21:15	2.6	14	22	30.8	FALSE
7/29/17 21:30	3	17	21.7	30.8	FALSE
7/29/17 21:45	2.7	16	21.5	30.8	FALSE
7/29/17 22:00	2.2	18	21.1	30.8	FALSE
7/29/17 22:15	2.9	22	20.8	30.8	FALSE
7/29/17 22:30	3.1	21	20.8	30.8	FALSE
7/29/17 22:45	2.9	7	20.7	30.8	FALSE
7/29/17 23:00	2.8	7	20.6	30.8	FALSE
7/29/17 23:15	3.1	3	20.4	30.8	FALSE
7/29/17 23:30	2.9	347	20.1	30.8	FALSE
7/29/17 23:45	2.2	341	19.8	30.8	FALSE
7/30/17 0:00	3.1	350	19.6	30.8	FALSE
7/30/17 0:15	2.7	353	19.5	30.8	FALSE
7/30/17 0:30	2.4	344	19.2	30.8	FALSE
7/30/17 0:45	2.2	2	19.1	30.8	FALSE
7/30/17 1:00	1.9	8	18.9	30.8	FALSE
7/30/17 1:15	1.3	356	18.5	30.8	FALSE
7/30/17 1:30	2.2	351	18.5	30.8	FALSE
7/30/17 1:45	3	5	18.5	30.8	FALSE
7/30/17 2:00	2.7	19	18.5	30.8	FALSE
7/30/17 2:15	0.9	36	18.2	30.8	1
7/30/17 2:30	1.2	334	17.8	30.8	FALSE
7/30/17 2:45	0.9	318	17.6	30.8	1
7/30/17 3:00	1.1	16	17.5	30.8	FALSE
7/30/17 3:15	1.7	351	17.6	30.8	FALSE
7/30/17 3:30	1.1	16	17.4	30.8	FALSE
7/30/17 3:45	0.8	19	17.3	30.8	1
7/30/17 4:00	0.9	19	17.1	30.8	1
7/30/17 4:15	1.2	22	17.1	30.8	FALSE
7/30/17 4:30	1.4	1	17	30.8	FALSE
7/30/17 4:45	2.3	3	17.2	30.8	FALSE
7/30/17 5:00	2.8	0	17.2	30.8	FALSE
7/30/17 5:15	3.1	337	17.1	30.8	FALSE
7/30/17 5:30	1.9	352	16.9	30.8	FALSE
7/30/17 5:45	2.8	11	16.9	30.8	FALSE
7/30/17 6:00	2.1	354	16.9	30.8	FALSE
7/30/17 6:15	0.7	5	16.6	30.8	1
7/30/17 6:30	1	360	16.4	30.8	1

7/30/17 6:45	1.4	358	16.5	30.8	FALSE
7/30/17 7:00	1.7	6	17.1	30.8	FALSE
7/30/17 7:15	2.1	332	18.1	30.8	FALSE
7/30/17 7:30	3.8	340	18.5	30.8	FALSE
7/30/17 7:45	3.2	357	18.9	30.8	FALSE
7/30/17 8:00	3.9	349	19.1	30.8	FALSE
7/30/17 8:15	3.9	352	19.6	30.8	FALSE
7/30/17 8:30	4.6	1	19.9	30.8	FALSE
7/30/17 8:45	4.8	354	20.4	30.8	FALSE
7/30/17 9:00	3.9	7	21.1	30.8	FALSE
7/30/17 9:15	4.1	359	21.8	30.8	FALSE
7/30/17 9:30	5.1	358	22.3	30.8	FALSE
7/30/17 9:45	5.6	4	22.6	30.8	FALSE
7/30/17 10:00	5.7	27	23.1	30.8	FALSE
7/30/17 10:15	5.3	21	23.6	30.8	FALSE
7/30/17 10:30	5.1	7	24.1	30.8	FALSE
7/30/17 10:45	5.6	38	24.3	30.8	FALSE
7/30/17 11:00	5.7	24	24.8	30.8	FALSE
7/30/17 11:15	6.8	13	25	30.8	FALSE
7/30/17 11:30	7.8	2	25	30.8	FALSE
7/30/17 11:45	7.2	12	25	30.9	FALSE
7/30/17 12:00	5.9	18	25.5	30.9	FALSE
7/30/17 12:15	7	26	25.6	30.8	FALSE
7/30/17 12:30	6.5	19	25.9	30.8	FALSE
7/30/17 12:45	6.1	41	26.4	30.8	FALSE
7/30/17 13:00	5.8	28	26.6	30.8	FALSE
7/30/17 13:15	8.4	28	26.1	30.8	FALSE
7/30/17 13:30	7.9	39	26.5	30.8	FALSE
7/30/17 13:45	6.7	46	26.8	30.8	FALSE
7/30/17 14:00	6.3	19	27.2	30.8	FALSE
7/30/17 14:15	6	44	27.1	30.8	FALSE
7/30/17 14:30	8.1	36	27.4	30.8	FALSE
7/30/17 14:45	7.5	23	27.4	30.8	FALSE
7/30/17 15:00	6.3	31	27.5	30.8	FALSE
7/30/17 15:15	8.5	34	27.6	30.8	FALSE
7/30/17 15:30	8.1	34	27.6	30.8	FALSE
7/30/17 15:45	8.8	22	27.4	30.8	FALSE
7/30/17 16:00	8.5	26	27.6	30.8	FALSE
7/30/17 16:15	6.3	29	28	30.8	FALSE
7/30/17 16:30	7.4	17	28	30.8	FALSE
7/30/17 16:45	7.6	36	28.2	30.8	FALSE
7/30/17 17:00	7.2	40	27.9	30.8	FALSE
7/30/17 17:15	6.3	34	28.3	30.8	FALSE
7/30/17 17:30	6.4	23	28.4	30.8	FALSE
7/30/17 17:45	7.3	63	28.2	30.8	FALSE
7/30/17 18:00	5.3	38	28.3	30.8	FALSE
7/30/17 18:15	6.1	26	28.4	30.8	FALSE



7/30/17 18:30	5.8	24	28.1	30.8	FALSE
7/30/17 18:45	8	62	27.9	30.8	FALSE
7/30/17 19:00	6.9	48	27.7	30.8	FALSE
7/30/17 19:15	5.6	53	27.9	30.8	FALSE
7/30/17 19:30	6.4	53	27.8	30.8	FALSE
7/30/17 19:45	6	45	27.5	30.8	FALSE
7/30/17 20:00	6.1	41	26.9	30.8	FALSE
7/30/17 20:15	5.3	41	26.4	30.8	FALSE
7/30/17 20:30	4.2	37	26.1	30.8	FALSE
7/30/17 20:45	3.5	30	25.7	30.8	FALSE
7/30/17 21:00	3	25	25.3	30.8	FALSE
7/30/17 21:15	2.4	29	25	30.8	FALSE
7/30/17 21:30	2.3	16	24.6	30.8	FALSE
7/30/17 21:45	3.3	9	24	30.8	FALSE
7/30/17 22:00	3	6	23.8	30.8	FALSE
7/30/17 22:15	2.6	15	23.3	30.8	FALSE
7/30/17 22:30	2.8	17	22.9	30.8	FALSE
7/30/17 22:45	2.3	22	22.6	30.8	FALSE
7/30/17 23:00	2.4	14	22.3	30.8	FALSE
7/30/17 23:15	2.5	13	22.3	30.8	FALSE
7/30/17 23:30	1.3	14	22.1	30.8	FALSE
7/30/17 23:45	0.9	71	21.7	30.8	1
7/31/17 0:00	1.9	12	21.7	30.8	FALSE
7/31/17 0:15	0.8	4	21.3	30.8	1
7/31/17 0:30	0.9	12	20.9	30.8	1
7/31/17 0:45	0.6	360	20.5	30.8	1
7/31/17 1:00	1.3	6	20.2	30.8	FALSE
7/31/17 1:15	1	3	20.1	30.8	1
7/31/17 1:30	1.1	8	20	30.8	FALSE
7/31/17 1:45	0.9	12	19.9	30.8	1
7/31/17 2:00	0.9	357	19.6	30.8	1
7/31/17 2:15	0.9	27	19.6	30.8	1
7/31/17 2:30	1.7	19	19.8	30.8	FALSE
7/31/17 2:45	0.9	64	19.6	30.8	1
7/31/17 3:00	2.2	31	20	30.8	FALSE
7/31/17 3:15	2.1	29	20	30.8	FALSE
7/31/17 3:30	1.9	26	19.9	30.8	FALSE
7/31/17 3:45	1	336	19.4	30.8	1
7/31/17 4:00	1.7	336	19.3	30.8	FALSE
7/31/17 4:15	0.9	351	19.1	30.8	1
7/31/17 4:30	1.1	11	18.9	30.8	FALSE
7/31/17 4:45	1.4	20	18.7	30.8	FALSE
7/31/17 5:00	1.4	35	18.6	30.8	FALSE
7/31/17 5:15	1.6	36	18.6	30.8	FALSE
7/31/17 5:30	1.4	19	18.6	30.8	FALSE
7/31/17 5:45	1.7	23	18.5	30.8	FALSE
7/31/17 6:00	1.3	56	18.5	30.8	FALSE

7/31/17 6:15	1.2	43	18.3	30.8	FALSE
7/31/17 6:30	0.9	7	18.3	30.8	1
7/31/17 6:45	1.7	355	18.4	30.8	FALSE
7/31/17 7:00	1.7	356	19	30.8	FALSE
7/31/17 7:15	2.6	22	19.5	30.8	FALSE
7/31/17 7:30	2.8	26	19.5	30.8	FALSE
7/31/17 7:45	3.6	360	19.8	30.8	FALSE
7/31/17 8:00	3.3	338	20.4	30.8	FALSE
7/31/17 8:15	2.8	359	21.1	30.8	FALSE
7/31/17 8:30	3.1	351	22	30.8	FALSE
7/31/17 8:45	3.5	355	22.4	30.8	FALSE
7/31/17 9:00	3.2	346	23.1	30.8	FALSE
7/31/17 9:15	3.2	350	23.9	30.8	FALSE
7/31/17 9:30	3.9	348	24.5	30.8	FALSE
7/31/17 9:45	3.6	352	25.3	30.8	FALSE
7/31/17 10:00	3.6	355	26	30.8	FALSE
7/31/17 10:15	4.7	344	26.1	30.8	FALSE
7/31/17 10:30	5.9	344	26	30.8	FALSE
7/31/17 10:45	5.1	3	26.4	30.8	FALSE
7/31/17 11:00	5	11	27	30.8	FALSE
7/31/17 11:15	5.5	347	27	30.8	FALSE
7/31/17 11:30	4.9	26	27.4	30.8	FALSE
7/31/17 11:45	5.5	4	27.6	30.8	FALSE
7/31/17 12:00	5.1	90	28.5	30.8	FALSE
7/31/17 12:15	8.7	43	28.3	30.8	FALSE
7/31/17 12:30	4.8	68	28.7	30.8	FALSE
7/31/17 12:45	3.6	48	29.8	30.8	FALSE
7/31/17 13:00	5.5	48	28.4	30.8	FALSE
7/31/17 13:15	5	52	28.8	30.8	FALSE
7/31/17 13:30	5.9	107	29.2	30.8	FALSE
7/31/17 13:45	6.2	65	29.6	30.8	FALSE
7/31/17 14:00	3.9	90	29.9	30.8	FALSE
7/31/17 14:15	5.2	59	29.4	30.8	FALSE
7/31/17 14:30	4.3	82	29.2	30.8	FALSE
7/31/17 14:45	5.5	95	29.6	30.8	FALSE
7/31/17 15:00	5	73	29.4	30.8	FALSE
7/31/17 15:15	4.4	74	29.6	30.8	FALSE
7/31/17 15:30	6.1	57	29.1	30.8	FALSE
7/31/17 15:45	5.8	59	29.4	30.8	FALSE
7/31/17 16:00	4.8	89	29.5	30.8	FALSE
7/31/17 16:15	4.9	67	29.3	30.8	FALSE
7/31/17 16:30	5.3	72	29.1	30.8	FALSE
7/31/17 16:45	5.6	81	29.3	30.8	FALSE
7/31/17 17:00	4.4	67	29.3	30.8	FALSE
7/31/17 17:15	4.1	67	29.4	30.8	FALSE
7/31/17 17:30	4.2	56	30	30.8	FALSE
7/31/17 17:45	4.9	42	29.8	30.8	FALSE

7/31/17 18:00	4.8	65	29.3	30.8	FALSE
7/31/17 18:15	3.4	53	28.9	30.8	FALSE
7/31/17 18:30	3.5	34	28.5	30.8	FALSE
7/31/17 18:45	4.6	36	28.1	30.8	FALSE
7/31/17 19:00	3.8	36	27.8	30.8	FALSE
7/31/17 19:15	3.3	51	27.9	30.8	FALSE
7/31/17 19:30	3.6	27	27.6	30.8	FALSE
7/31/17 19:45	3	43	27.5	30.8	FALSE
7/31/17 20:00	2.7	27	27.3	30.8	FALSE
7/31/17 20:15	2.4	34	27	30.8	FALSE
7/31/17 20:30	2	38	26.9	30.8	FALSE
7/31/17 20:45	1.7	48	26.7	30.8	FALSE
7/31/17 21:00	1.5	36	26.4	30.8	FALSE
7/31/17 21:15	1.5	46	26.3	30.8	FALSE
7/31/17 21:30	3.2	10	26.2	30.8	FALSE
7/31/17 21:45	1.5	30	25.6	30.8	FALSE
7/31/17 22:00	1.2	44	25.6	30.8	FALSE
7/31/17 22:15	1.7	29	25.6	30.8	FALSE
7/31/17 22:30	2.3	55	25.7	30.8	FALSE
7/31/17 22:45	1.8	45	25.8	30.8	FALSE
7/31/17 23:00	3.2	76	25.8	30.8	FALSE
7/31/17 23:15	2.5	85	25.8	30.8	FALSE
7/31/17 23:30	2.8	40	25.5	30.8	FALSE
7/31/17 23:45	3.8	43	25.3	30.8	FALSE
8/1/17 0:00	2.8	68	25.5	30.8	FALSE
8/1/17 0:15	2.9	81	25.6	30.8	FALSE
8/1/17 0:30	3.1	41	25.3	30.8	FALSE
8/1/17 0:45	1.6	59	25.2	30.8	FALSE
8/1/17 1:00	3.1	330	24.9	30.8	FALSE
8/1/17 1:15	0.9	321	24.4	30.8	1
8/1/17 1:30	1.3	355	24.3	30.8	FALSE
8/1/17 1:45	1.5	25	24.2	30.8	FALSE
8/1/17 2:00	1.5	34	23.9	30.8	FALSE
8/1/17 2:15	2.4	16	23.8	30.8	FALSE
8/1/17 2:30	3.1	17	23.7	30.8	FALSE
8/1/17 2:45	2.3	27	23.5	30.8	FALSE
8/1/17 3:00	2.9	360	23.4	30.8	FALSE
8/1/17 3:15	2.1	12	23.4	30.8	FALSE
8/1/17 3:30	2.9	358	23.3	30.8	FALSE
8/1/17 3:45	2.8	353	23.1	30.8	FALSE
8/1/17 4:00	2.7	356	22.9	30.8	FALSE
8/1/17 4:15	1.8	8	22.9	30.8	FALSE
8/1/17 4:30	1.6	33	22.8	30.8	FALSE
8/1/17 4:45	1.3	15	22.8	30.8	FALSE
8/1/17 5:00	1.3	20	22.8	30.8	FALSE
8/1/17 5:15	1.1	85	22.8	30.8	FALSE
8/1/17 5:30	0.7	182	22.9	30.8	1

8/1/17 5:45	1.4	270	22.8	30.8	FALSE
8/1/17 6:00	0.8	51	22.6	30.8	1
8/1/17 6:15	1.5	25	22.4	30.8	FALSE
8/1/17 6:30	3.3	358	22.3	30.8	FALSE
8/1/17 6:45	1.5	32	22.2	30.8	FALSE
8/1/17 7:00	1.4	44	22.3	30.8	FALSE
8/1/17 7:15	0.8	80	22.5	30.8	1
8/1/17 7:30	0.9	352	22.9	30.8	1
8/1/17 7:45	2.8	4	23	30.8	FALSE
8/1/17 8:00	2.2	10	23.1	30.8	FALSE
8/1/17 8:15	2.2	15	24	30.8	FALSE
8/1/17 8:30	1.6	297	24.9	30.8	FALSE
8/1/17 8:45	1.6	217	25.2	30.8	FALSE
8/1/17 9:00	2.5	179	25.5	30.8	FALSE
8/1/17 9:15	3.1	206	25.9	30.8	FALSE
8/1/17 9:30	3.1	223	26.7	30.8	FALSE
8/1/17 9:45	3.3	230	28	30.8	FALSE
8/1/17 10:00	4.3	230	28.2	30.8	FALSE
8/1/17 10:15	3.5	257	27.9	30.8	FALSE
8/1/17 10:30	3.9	296	28	30.8	FALSE
8/1/17 10:45	3.3	248	28	30.8	FALSE
8/1/17 11:00	3.9	288	27.9	30.8	FALSE
8/1/17 11:15	4.7	343	27.9	30.8	FALSE
8/1/17 11:30	6.6	346	27.8	30.8	FALSE
8/1/17 11:45	6	356	27.3	30.8	FALSE
8/1/17 12:00	5.2	316	28.3	30.8	FALSE
8/1/17 12:15	4.9	227	29.3	30.8	FALSE
8/1/17 12:30	6.2	243	29.3	30.8	FALSE
8/1/17 12:45	6.4	270	29.3	30.8	FALSE
8/1/17 13:00	5.3	275	29.2	30.8	FALSE
8/1/17 13:15	5.8	281	29.4	30.8	FALSE
8/1/17 13:30	5.7	307	29.2	30.8	FALSE
8/1/17 13:45	5.8	322	29.2	30.8	FALSE
8/1/17 14:00	9.1	305	28.1	30.8	FALSE
8/1/17 14:15	8.4	307	27.8	30.8	FALSE
8/1/17 14:30	6.4	291	28.2	30.8	FALSE
8/1/17 14:45	6.5	282	28.2	30.8	FALSE
8/1/17 15:00	5.9	293	28	30.8	FALSE
8/1/17 15:15	7.3	323	28.4	30.8	FALSE
8/1/17 15:30	7.3	309	29.1	30.8	FALSE
8/1/17 15:45	7.8	321	29.8	30.8	FALSE
8/1/17 16:00	7.8	328	29.4	30.8	FALSE
8/1/17 16:15	7.8	335	29.8	30.8	FALSE
8/1/17 16:30	6.1	1	29.8	30.8	FALSE
8/1/17 16:45	7	348	30.1	30.8	FALSE
8/1/17 17:00	7.1	315	30	30.8	FALSE
8/1/17 17:15	8.3	334	29.8	30.8	FALSE

8/1/17 17:30	6.6	319	29.9	30.8	FALSE
8/1/17 17:45	6.4	332	30.2	30.8	FALSE
8/1/17 18:00	8	334	30	30.8	FALSE
8/1/17 18:15	5.4	359	29.6	30.8	FALSE
8/1/17 18:30	5.8	352	29.1	30.8	FALSE
8/1/17 18:45	4.8	2	29	30.8	FALSE
8/1/17 19:00	4.4	26	28.6	30.8	FALSE
8/1/17 19:15	6.7	107	28	30.8	FALSE
8/1/17 19:30	8.9	148	26.7	30.8	FALSE
8/1/17 19:45	7.4	163	26.4	30.8	FALSE
8/1/17 20:00	7.9	168	25.5	30.8	FALSE
8/1/17 20:15	6.6	163	25.3	30.8	FALSE
8/1/17 20:30	5.2	165	25.3	30.8	FALSE
8/1/17 20:45	5.7	173	25.3	30.8	FALSE
8/1/17 21:00	5.5	166	25	30.8	FALSE
8/1/17 21:15	4.4	172	24.7	30.8	FALSE
8/1/17 21:30	3.5	170	24.4	30.8	FALSE
8/1/17 21:45	3.5	192	24.3	30.8	FALSE
8/1/17 22:00	4.3	210	23.9	30.8	FALSE
8/1/17 22:15	6.7	202	23.5	30.8	FALSE
8/1/17 22:30	6.8	190	23.2	30.8	FALSE
8/1/17 22:45	4.6	184	23	30.8	FALSE
8/1/17 23:00	3.6	194	22.9	30.8	FALSE
8/1/17 23:15	4.7	206	22.9	30.8	FALSE
8/1/17 23:30	4.2	195	23.2	30.8	FALSE
8/1/17 23:45	2.9	200	23.4	30.8	FALSE
8/2/17 0:00	3.6	200	23.3	30.8	FALSE
8/2/17 0:15	3.7	201	23.1	30.8	FALSE
8/2/17 0:30	2.6	183	22.9	30.8	FALSE
8/2/17 0:45	2.6	187	22.8	30.8	FALSE
8/2/17 1:00	1.2	111	22.5	30.8	FALSE
8/2/17 1:15	2.3	173	22.4	30.8	FALSE
8/2/17 1:30	1.9	171	22.5	30.8	FALSE
8/2/17 1:45	1.3	150	22.4	30.8	FALSE
8/2/17 2:00	1.5	171	22.1	30.8	FALSE
8/2/17 2:15	2.7	198	22.1	30.8	FALSE
8/2/17 2:30	1.6	232	22	30.8	FALSE
8/2/17 2:45	1.7	205	21.9	30.8	FALSE
8/2/17 3:00	1.2	161	21.5	30.8	FALSE
8/2/17 3:15	1.1	163	21.4	30.8	FALSE
8/2/17 3:30	0.9	155	21.5	30.8	1
8/2/17 3:45	2	272	21.4	30.8	FALSE
8/2/17 4:00	1.2	35	21.2	30.8	FALSE
8/2/17 4:15	1.3	64	20.8	30.8	FALSE
8/2/17 4:30	1.6	131	20.9	30.8	FALSE
8/2/17 4:45	2.3	192	21.2	30.8	FALSE
8/2/17 5:00	1.8	197	21.3	30.8	FALSE

8/2/17 5:15	2.7	189	21.3	30.8	FALSE
8/2/17 5:30	3.5	190	21.2	30.8	FALSE
8/2/17 5:45	4.2	197	21.2	30.8	FALSE
8/2/17 6:00	3	182	21.1	30.8	FALSE
8/2/17 6:15	3.2	188	21	30.8	FALSE
8/2/17 6:30	3.1	194	20.8	30.8	FALSE
8/2/17 6:45	2.9	188	20.9	30.8	FALSE
8/2/17 7:00	3.1	186	21	30.8	FALSE
8/2/17 7:15	2.6	182	21.4	30.8	FALSE
8/2/17 7:30	3.3	188	22	30.8	FALSE
8/2/17 7:45	3.2	179	22.5	30.8	FALSE
8/2/17 8:00	5.4	199	22.6	30.8	FALSE
8/2/17 8:15	4.2	191	22.8	30.8	FALSE
8/2/17 8:30	3.5	176	23.7	30.8	FALSE
8/2/17 8:45	4.5	198	23.9	30.8	FALSE
8/2/17 9:00	4.7	202	24.3	30.8	FALSE
8/2/17 9:15	4.9	208	24.5	30.8	FALSE
8/2/17 9:30	4.2	184	25.1	30.8	FALSE
8/2/17 9:45	4	203	25.9	30.8	FALSE
8/2/17 10:00	3.1	218	26.6	30.8	FALSE
8/2/17 10:15	3.1	209	27.5	30.8	FALSE
8/2/17 10:30	4.4	208	27.6	30.8	FALSE
8/2/17 10:45	4.8	201	27.8	30.8	FALSE
8/2/17 11:00	3.5	217	28.6	30.8	FALSE
8/2/17 11:15	4.2	187	29.1	30.8	FALSE
8/2/17 11:30	4	207	29.5	30.8	FALSE
8/2/17 11:45	5.2	258	29.4	30.8	FALSE
8/2/17 12:00	3.4	278	30.2	30.8	FALSE
8/2/17 12:15	5.5	242	29.2	30.8	FALSE
8/2/17 12:30	3.9	298	29.4	30.8	FALSE
8/2/17 12:45	3.9	294	30.7	30.8	FALSE
8/2/17 13:00	4.3	236	31	30.8	FALSE
8/2/17 13:15	4.7	256	30.6	30.8	FALSE
8/2/17 13:30	7.5	214	30.2	30.8	FALSE
8/2/17 13:45	9.2	200	30.2	30.8	FALSE
8/2/17 14:00	5.7	185	30.7	30.8	FALSE
8/2/17 14:15	4.9	235	31.3	30.8	FALSE
8/2/17 14:30	5.1	246	31.3	30.8	FALSE
8/2/17 14:45	3.1	205	32.1	30.8	FALSE
8/2/17 15:00	6.2	315	32	30.8	FALSE
8/2/17 15:15	6	342	31.3	30.8	FALSE
8/2/17 15:30	5.2	287	31.7	30.8	FALSE
8/2/17 15:45	4.7	279	31.7	30.8	FALSE
8/2/17 16:00	5.7	22	32.3	30.8	FALSE
8/2/17 16:15	5.7	26	31.5	30.8	FALSE
8/2/17 16:30	5.2	22	31.7	30.8	FALSE
8/2/17 16:45	5.9	12	31.5	30.8	FALSE

8/2/17 17:00	7.4	1	31.4	30.8	FALSE
8/2/17 17:15	6.5	356	31.6	30.8	FALSE
8/2/17 17:30	7.2	341	31.7	30.8	FALSE
8/2/17 17:45	6.8	350	31.5	30.8	FALSE
8/2/17 18:00	6.9	349	31.3	30.8	FALSE
8/2/17 18:15	4.9	29	31.4	30.8	FALSE
8/2/17 18:30	5.6	21	31	30.8	FALSE
8/2/17 18:45	4.9	18	31	30.8	FALSE
8/2/17 19:00	6.1	338	30.7	30.8	FALSE
8/2/17 19:15	6	345	30.2	30.8	FALSE
8/2/17 19:30	4.6	348	29.6	30.8	FALSE
8/2/17 19:45	3.7	8	29.1	30.8	FALSE
8/2/17 20:00	2.9	16	28.8	30.8	FALSE
8/2/17 20:15	3.2	10	28.4	30.8	FALSE
8/2/17 20:30	3.1	16	28.1	30.8	FALSE
8/2/17 20:45	3.2	40	27.9	30.8	FALSE
8/2/17 21:00	2.8	69	27.7	30.8	FALSE
8/2/17 21:15	2.5	75	27.7	30.8	FALSE
8/2/17 21:30	2.8	81	27.8	30.8	FALSE
8/2/17 21:45	4.5	104	27.7	30.8	FALSE
8/2/17 22:00	4.2	113	27.3	30.8	FALSE
8/2/17 22:15	2.7	118	27	30.8	FALSE
8/2/17 22:30	2.5	119	26.7	30.8	FALSE
8/2/17 22:45	3.2	121	26.4	30.8	FALSE
8/2/17 23:00	3	115	26.2	30.8	FALSE
8/2/17 23:15	2.3	102	26.2	30.8	FALSE
8/2/17 23:30	1.6	83	25.9	30.8	FALSE
8/2/17 23:45	1.3	151	25.6	30.8	FALSE
8/3/17 0:00	2.6	179	25.7	30.8	FALSE
8/3/17 0:15	2.2	168	25.7	30.8	FALSE
8/3/17 0:30	2.5	184	25.6	30.8	FALSE
8/3/17 0:45	1.6	193	25.5	30.8	FALSE
8/3/17 1:00	2.4	181	25.3	30.8	FALSE
8/3/17 1:15	3.8	192	25.1	30.8	FALSE
8/3/17 1:30	3.3	172	25	30.8	FALSE
8/3/17 1:45	2.5	163	25.1	30.8	FALSE
8/3/17 2:00	3.2	178	25	30.8	FALSE
8/3/17 2:15	2.8	178	24.8	30.8	FALSE
8/3/17 2:30	3.4	185	24.6	30.8	FALSE
8/3/17 2:45	2.7	175	24.4	30.8	FALSE
8/3/17 3:00	2.9	174	24.2	30.8	FALSE
8/3/17 3:15	2.5	173	24	30.8	FALSE
8/3/17 3:30	2.8	183	23.8	30.8	FALSE
8/3/17 3:45	5.1	192	23.6	30.8	FALSE
8/3/17 4:00	4.1	191	23.2	30.8	FALSE
8/3/17 4:15	2.9	176	23.1	30.8	FALSE
8/3/17 4:30	2.9	192	23	30.8	FALSE

8/3/17 4:45	2.9	193	22.8	30.8	FALSE
8/3/17 5:00	2.7	198	22.6	30.8	FALSE
8/3/17 5:15	3.7	199	22.6	30.8	FALSE
8/3/17 5:30	3.2	200	22.5	30.8	FALSE
8/3/17 5:45	3.1	194	22.4	30.8	FALSE
8/3/17 6:00	3.3	198	22.2	30.8	FALSE
8/3/17 6:15	3.9	193	22.1	30.8	FALSE
8/3/17 6:30	4.9	204	22	30.8	FALSE
8/3/17 6:45	4	204	22	30.8	FALSE
8/3/17 7:00	4.3	192	22	30.8	FALSE
8/3/17 7:15	3.2	174	22.1	30.8	FALSE
8/3/17 7:30	3.5	179	22.4	30.8	FALSE
8/3/17 7:45	4.4	197	22.7	30.8	FALSE
8/3/17 8:00	4.1	184	23	30.8	FALSE
8/3/17 8:15	4.9	179	23.4	30.8	FALSE
8/3/17 8:30	4.6	172	23.6	30.8	FALSE
8/3/17 8:45	5.4	184	24	30.8	FALSE
8/3/17 9:00	5.2	164	24.5	30.8	FALSE
8/3/17 9:15	4.1	174	25.4	30.8	FALSE
8/3/17 9:30	5.6	198	25.6	30.8	FALSE
8/3/17 9:45	6.1	217	25.8	30.8	FALSE
8/3/17 10:00	5.4	209	26.2	30.8	FALSE
8/3/17 10:15	5.5	202	26.7	30.8	FALSE
8/3/17 10:30	6.7	205	26.9	30.8	FALSE
8/3/17 10:45	5.8	203	27.1	30.8	FALSE
8/3/17 11:00	5.3	192	27.7	30.8	FALSE
8/3/17 11:15	5.3	202	28.5	30.8	FALSE
8/3/17 11:30	5.7	218	28.6	30.8	FALSE
8/3/17 11:45	6	203	29.1	30.8	FALSE
8/3/17 12:00	7.3	212	29.3	30.8	FALSE
8/3/17 12:15	7.8	190	29.7	30.8	FALSE
8/3/17 12:30	8.1	202	29.9	30.8	FALSE
8/3/17 12:45	7.5	202	30.1	30.8	FALSE
8/3/17 13:00	7.9	180	30.6	30.8	FALSE
8/3/17 13:15	8.1	196	30.8	30.8	FALSE
8/3/17 13:30	8.1	187	31.2	30.8	FALSE
8/3/17 13:45	7.6	210	31.4	30.8	FALSE
8/3/17 14:00	8.5	200	31.5	30.8	FALSE
8/3/17 14:15	10	204	31.4	30.8	FALSE
8/3/17 14:30	9.9	212	31.5	30.8	FALSE
8/3/17 14:45	8.5	198	31.7	30.8	FALSE
8/3/17 15:00	8.7	206	31.7	30.7	FALSE
8/3/17 15:15	7.8	209	32.3	30.7	FALSE
8/3/17 15:30	7.4	201	32.3	30.7	FALSE
8/3/17 15:45	7.5	198	32.4	30.7	FALSE
8/3/17 16:00	8	210	32.7	30.7	FALSE
8/3/17 16:15	8	202	32.5	30.7	FALSE



8/3/17 16:30	8.1	215	32	30.7	FALSE
8/3/17 16:45	9.1	209	31.7	30.7	FALSE
8/3/17 17:00	10.2	210	31.4	30.7	FALSE
8/3/17 17:15	7.9	207	31.3	30.7	FALSE
8/3/17 17:30	7.7	217	31	30.7	FALSE
8/3/17 17:45	10	255	29.9	30.7	FALSE
8/3/17 18:00	11.3	235	28.3	30.7	FALSE
8/3/17 18:15	10.9	219	28.1	30.7	FALSE
8/3/17 18:30	11.1	225	28.4	30.7	FALSE
8/3/17 18:45	10.1	224	28.6	30.7	FALSE
8/3/17 19:00	7.9	208	28.2	30.7	FALSE
8/3/17 19:15	7.8	211	28.4	30.7	FALSE
8/3/17 19:30	9.3	211	28.7	30.7	FALSE
8/3/17 19:45	7.1	192	28.7	30.7	FALSE
8/3/17 20:00	6.7	162	27.9	30.7	FALSE
8/3/17 20:15	5.5	163	27.7	30.7	FALSE
8/3/17 20:30	5.3	167	27.1	30.7	FALSE
8/3/17 20:45	5.6	172	26.7	30.7	FALSE
8/3/17 21:00	5.7	184	26.2	30.7	FALSE
8/3/17 21:15	6.2	189	25.8	30.7	FALSE
8/3/17 21:30	5.1	193	25.6	30.7	FALSE
8/3/17 21:45	4.5	186	25.5	30.7	FALSE
8/3/17 22:00	5	190	25.4	30.7	FALSE
8/3/17 22:15	6.2	220	25.3	30.8	FALSE
8/3/17 22:30	7.5	245	25.6	30.8	FALSE
8/3/17 22:45	9.1	270	25.8	30.8	FALSE
8/3/17 23:00	7.6	265	25.6	30.8	FALSE
8/3/17 23:15	7.5	253	25.5	30.8	FALSE
8/3/17 23:30	7.6	244	25.3	30.8	FALSE
8/3/17 23:45	7.2	248	25.1	30.8	FALSE
8/4/17 0:00	6.4	251	24.9	30.8	FALSE
8/4/17 0:15	6.9	264	24.7	30.8	FALSE
8/4/17 0:30	7	269	24.5	30.8	FALSE
8/4/17 0:45	7.4	283	24.2	30.8	FALSE
8/4/17 1:00	6.7	291	24	30.8	FALSE
8/4/17 1:15	7.8	293	23.9	30.8	FALSE
8/4/17 1:30	7.3	325	23.6	30.8	FALSE
8/4/17 1:45	7.5	327	23.2	30.8	FALSE
8/4/17 2:00	8.1	331	22.8	30.8	FALSE
8/4/17 2:15	8.5	328	22.5	30.8	FALSE
8/4/17 2:30	8.5	313	22.3	30.8	FALSE
8/4/17 2:45	10.5	313	22.1	30.8	FALSE
8/4/17 3:00	10	314	21.8	30.8	FALSE
8/4/17 3:15	10	310	21.4	30.8	FALSE
8/4/17 3:30	7.7	331	21	30.8	FALSE
8/4/17 3:45	8.5	324	20.4	30.8	FALSE
8/4/17 4:00	10	317	20.1	30.8	FALSE

8/4/17 4:15	10.4	307	19.9	30.8	FALSE
8/4/17 4:30	9.7	312	19.6	30.8	FALSE
8/4/17 4:45	8.2	319	19.2	30.8	FALSE
8/4/17 5:00	9.7	301	19	30.8	FALSE
8/4/17 5:15	9.5	318	18.6	30.8	FALSE
8/4/17 5:30	8.2	309	18.3	30.8	FALSE
8/4/17 5:45	8.4	316	18	30.8	FALSE
8/4/17 6:00	7.9	307	17.8	30.8	FALSE
8/4/17 6:15	7.4	297	17.6	30.8	FALSE
8/4/17 6:30	8.9	295	17.4	30.8	FALSE
8/4/17 6:45	9.1	287	17.3	30.8	FALSE
8/4/17 7:00	9.5	294	17.1	30.8	FALSE
8/4/17 7:15	10.2	297	17	30.8	FALSE
8/4/17 7:30	9.6	273	17	30.8	FALSE
8/4/17 7:45	9.2	289	16.9	30.8	FALSE
8/4/17 8:00	8.7	284	17	30.8	FALSE
8/4/17 8:15	9.8	290	17.1	30.8	FALSE
8/4/17 8:30	8	285	17.3	30.8	FALSE
8/4/17 8:45	7.2	291	17.6	30.8	FALSE
8/4/17 9:00	9.4	277	17.5	30.8	FALSE
8/4/17 9:15	8.5	289	18	30.8	FALSE
8/4/17 9:30	9.6	296	18.3	30.8	FALSE
8/4/17 9:45	10.6	299	18.4	30.8	FALSE
8/4/17 10:00	10.6	298	18.8	30.8	FALSE
8/4/17 10:15	11	300	19	30.8	FALSE
8/4/17 10:30	12.1	295	19.2	30.8	FALSE
8/4/17 10:45	12.1	296	19.5	30.8	FALSE
8/4/17 11:00	12.2	294	19.7	30.8	FALSE
8/4/17 11:15	13.1	300	20.1	30.8	FALSE
8/4/17 11:30	12.3	307	20.5	30.8	FALSE
8/4/17 11:45	13.2	279	20.8	30.8	FALSE
8/4/17 12:00	11.3	291	21.2	30.8	FALSE
8/4/17 12:15	11.3	263	21.6	30.8	FALSE
8/4/17 12:30	12.7	270	21.9	30.8	FALSE
8/4/17 12:45	11.6	293	22.2	30.8	FALSE
8/4/17 13:00	14.4	305	22.4	30.8	FALSE
8/4/17 13:15	11.6	285	22.7	30.8	FALSE
8/4/17 13:30	11.1	294	22.7	30.8	FALSE
8/4/17 13:45	11.7	298	23.1	30.8	FALSE
8/4/17 14:00	11.6	293	23.2	30.8	FALSE
8/4/17 14:15	11.6	289	23.6	30.8	FALSE
8/4/17 14:30	10.8	287	23.5	30.8	FALSE
8/4/17 14:45	11.8	270	23.8	30.8	FALSE
8/4/17 15:00	11.7	295	24	30.8	FALSE
8/4/17 15:15	10.2	287	24.2	30.8	FALSE
8/4/17 15:30	11.5	306	24.2	30.8	FALSE
8/4/17 15:45	11.4	298	24.1	30.8	FALSE

8/4/17 16:00	9.7	273	24.3	30.8	FALSE
8/4/17 16:15	9.3	265	24.5	30.8	FALSE
8/4/17 16:30	8.9	295	24.6	30.8	FALSE
8/4/17 16:45	7.7	312	24.9	30.8	FALSE
8/4/17 17:00	10	307	24.8	30.8	FALSE
8/4/17 17:15	8.7	288	25	30.8	FALSE
8/4/17 17:30	7.8	282	25	30.8	FALSE
8/4/17 17:45	7.6	280	25.3	30.8	FALSE
8/4/17 18:00	8.8	290	24.9	30.8	FALSE
8/4/17 18:15	9.5	295	24.8	30.8	FALSE
8/4/17 18:30	9.9	269	24.7	30.8	FALSE
8/4/17 18:45	9.3	277	24.6	30.8	FALSE
8/4/17 19:00	7.7	303	24.6	30.8	FALSE
8/4/17 19:15	7.1	283	24.5	30.8	FALSE
8/4/17 19:30	6.9	284	24.5	30.8	FALSE
8/4/17 19:45	6.4	296	24.2	30.8	FALSE
8/4/17 20:00	5.6	306	24	30.8	FALSE
8/4/17 20:15	5.5	300	23.7	30.8	FALSE
8/4/17 20:30	5.1	278	23.4	30.8	FALSE
8/4/17 20:45	3.8	270	23.1	30.8	FALSE
8/4/17 21:00	2.9	280	22.8	30.8	FALSE
8/4/17 21:15	1	253	22.3	30.8	1
8/4/17 21:30	1	227	21.8	30.8	1
8/4/17 21:45	1.2	207	21.5	30.8	FALSE
8/4/17 22:00	1.6	191	21.2	30.8	FALSE
8/4/17 22:15	1.5	194	20.8	30.8	FALSE
8/4/17 22:30	2.1	180	20.6	30.8	FALSE
8/4/17 22:45	3.8	190	20.6	30.8	FALSE
8/4/17 23:00	3.3	191	20.5	30.8	FALSE
8/4/17 23:15	0.9	155	19.6	30.8	1
8/4/17 23:30	1.3	164	19.4	30.8	FALSE
8/4/17 23:45	1.7	164	19.1	30.8	FALSE
8/5/17 0:00	3.4	190	19.5	30.8	FALSE
8/5/17 0:15	3.6	194	19.4	30.8	FALSE
8/5/17 0:30	4	189	19.2	30.8	FALSE
8/5/17 0:45	4.2	188	19	30.8	FALSE
8/5/17 1:00	3.8	187	18.7	30.8	FALSE
8/5/17 1:15	2.4	180	18.4	30.8	FALSE
8/5/17 1:30	1.8	187	18.2	30.8	FALSE
8/5/17 1:45	3.4	194	18.1	30.8	FALSE
8/5/17 2:00	2.4	180	17.9	30.8	FALSE
8/5/17 2:15	2.4	193	17.6	30.8	FALSE
8/5/17 2:30	3.3	189	17.8	30.8	FALSE
8/5/17 2:45	2.8	196	17.7	30.8	FALSE
8/5/17 3:00	3	191	17.6	30.8	FALSE
8/5/17 3:15	3.2	196	17.4	30.8	FALSE
8/5/17 3:30	2.2	182	17.2	30.8	FALSE

8/5/17 3:45	1.9	171	16.8	30.8	FALSE
8/5/17 4:00	3.5	189	16.8	30.8	FALSE
8/5/17 4:15	2.9	189	16.8	30.8	FALSE
8/5/17 4:30	3.1	220	16.6	30.8	FALSE
8/5/17 4:45	2	196	16.5	30.8	FALSE
8/5/17 5:00	1.7	178	16.1	30.8	FALSE
8/5/17 5:15	2.4	176	16.1	30.8	FALSE
8/5/17 5:30	0.9	111	15.9	30.8	1
8/5/17 5:45	1.3	177	15.7	30.8	FALSE
8/5/17 6:00	1.9	164	15.9	30.8	FALSE
8/5/17 6:15	0.6	111	15.7	30.8	1
8/5/17 6:30	0.6	123	15.4	30.8	1
8/5/17 6:45	0.8	101	15.3	30.8	1
8/5/17 7:00	1.1	128	15.6	30.8	FALSE
8/5/17 7:15	2.5	157	16.8	30.8	FALSE
8/5/17 7:30	3	144	17.5	30.8	FALSE
8/5/17 7:45	4	161	18.1	30.8	FALSE
8/5/17 8:00	4.7	159	18.2	30.8	FALSE
8/5/17 8:15	4.2	161	18.9	30.8	FALSE
8/5/17 8:30	5	178	19.7	30.8	FALSE
8/5/17 8:45	4.8	181	20.4	30.8	FALSE
8/5/17 9:00	6.8	193	20.7	30.8	FALSE
8/5/17 9:15	5.3	181	21.3	30.8	FALSE
8/5/17 9:30	6.7	171	22.3	30.8	FALSE
8/5/17 9:45	5.8	167	23	30.8	FALSE
8/5/17 10:00	6.1	157	24.1	30.8	FALSE
8/5/17 10:15	6.6	157	24.3	30.8	FALSE
8/5/17 10:30	6	172	24.9	30.8	FALSE
8/5/17 10:45	6.4	151	24.9	30.8	FALSE
8/5/17 11:00	5.5	132	25.5	30.8	FALSE
8/5/17 11:15	4.5	159	25.6	30.8	FALSE
8/5/17 11:30	4.7	165	25.7	30.8	FALSE
8/5/17 11:45	5.8	107	25.7	30.8	FALSE
8/5/17 12:00	6.4	141	25.7	30.8	FALSE
8/5/17 12:15	7.3	156	25.9	30.8	FALSE
8/5/17 12:30	8.2	169	25.8	30.8	FALSE
8/5/17 12:45	7.3	152	25.6	30.8	FALSE
8/5/17 13:00	6.5	167	26	30.8	FALSE
8/5/17 13:15	7.1	137	26	30.8	FALSE
8/5/17 13:30	7.3	133	25.8	30.8	FALSE
8/5/17 13:45	6.1	134	25.9	30.8	FALSE
8/5/17 14:00	5.5	137	25.8	30.8	FALSE
8/5/17 14:15	5.8	144	25.7	30.8	FALSE
8/5/17 14:30	5.5	137	25.7	30.8	FALSE
8/5/17 14:45	5.8	135	25.4	30.8	FALSE
8/5/17 15:00	6	131	25.2	30.8	FALSE
8/5/17 15:15	6.9	144	25.1	30.8	FALSE

8/5/17 15:30	6.8	132	24.9	30.8	FALSE
8/5/17 15:45	5.5	108	24.7	30.8	FALSE
8/5/17 16:00	8	139	24.4	30.8	FALSE
8/5/17 16:15	9.9	144	23.4	30.8	FALSE
8/5/17 16:30	6.5	135	23.6	30.8	FALSE
8/5/17 16:45	7.4	131	24.1	30.8	FALSE
8/5/17 17:00	9	138	24.2	30.8	FALSE
8/5/17 17:15	11.7	148	23.8	30.8	FALSE
8/5/17 17:30	11.8	145	23.1	30.8	FALSE
8/5/17 17:45	10.2	146	23	30.8	FALSE
8/5/17 18:00	6	136	23.1	30.8	FALSE
8/5/17 18:15	6.8	139	23	30.8	FALSE
8/5/17 18:30	5.1	131	23	30.8	FALSE
8/5/17 18:45	5.6	144	23	30.8	FALSE
8/5/17 19:00	4.8	135	23	30.8	FALSE
8/5/17 19:15	5.4	134	23.1	30.8	FALSE
8/5/17 19:30	5.6	135	23.1	30.8	FALSE
8/5/17 19:45	5.4	134	23.2	30.8	FALSE
8/5/17 20:00	6.2	152	23.2	30.8	FALSE
8/5/17 20:15	5.4	150	23.1	30.8	FALSE
8/5/17 20:30	5.6	157	23	30.8	FALSE
8/5/17 20:45	6	168	22.9	30.8	FALSE
8/5/17 21:00	6.8	192	22.3	30.8	FALSE
8/5/17 21:15	6.3	179	21.9	30.8	FALSE
8/5/17 21:30	7.3	177	21.5	30.8	FALSE
8/5/17 21:45	8.2	163	21.2	30.8	FALSE
8/5/17 22:00	8.4	152	20.2	30.8	FALSE
8/5/17 22:15	5.5	150	19.4	30.8	FALSE
8/5/17 22:30	4	170	19.3	30.8	FALSE
8/5/17 22:45	3.7	149	19.2	30.8	FALSE
8/5/17 23:00	5	138	19.1	30.8	FALSE
8/5/17 23:15	5.2	150	19	30.8	FALSE
8/5/17 23:30	5.4	141	19.1	30.8	FALSE
8/5/17 23:45	4.8	136	19.1	30.8	FALSE
8/6/17 0:00	3.6	134	19.1	30.8	FALSE
8/6/17 0:15	2.7	122	19.1	30.8	FALSE
8/6/17 0:30	3.3	137	19.1	30.8	FALSE
8/6/17 0:45	3.5	149	19.2	30.8	FALSE
8/6/17 1:00	4.2	137	19.2	30.8	FALSE
8/6/17 1:15	2.9	93	19.1	30.8	FALSE
8/6/17 1:30	2.8	104	19.1	30.8	FALSE
8/6/17 1:45	2.6	86	19.2	30.8	FALSE
8/6/17 2:00	2.2	88	19.3	30.8	FALSE
8/6/17 2:15	3.7	149	19.4	30.8	FALSE
8/6/17 2:30	3.8	151	19.2	30.8	FALSE
8/6/17 2:45	4.8	162	19	30.8	FALSE
8/6/17 3:00	6.4	146	18.8	30.8	FALSE

8/6/17 3:15	7	135	18.6	30.8	FALSE
8/6/17 3:30	3.2	107	18.5	30.8	FALSE
8/6/17 3:45	3.1	113	18.6	30.8	FALSE
8/6/17 4:00	3.8	132	18.6	30.8	FALSE
8/6/17 4:15	3.7	146	18.6	30.8	FALSE
8/6/17 4:30	5.4	148	18.4	30.8	FALSE
8/6/17 4:45	6	130	18.2	30.8	FALSE
8/6/17 5:00	3.9	112	18.1	30.8	FALSE
8/6/17 5:15	2.5	134	18.1	30.8	FALSE
8/6/17 5:30	1.9	72	18.1	30.8	FALSE
8/6/17 5:45	3.1	36	18.1	30.8	FALSE
8/6/17 6:00	3.7	34	18	30.8	FALSE
8/6/17 6:15	3.1	33	18.1	30.8	FALSE
8/6/17 6:30	2.7	83	18.1	30.8	FALSE
8/6/17 6:45	2.3	81	18.2	30.8	FALSE
8/6/17 7:00	2.6	89	18.3	30.8	FALSE
8/6/17 7:15	3.9	69	18.3	30.8	FALSE
8/6/17 7:30	3.5	67	18.3	30.8	FALSE
8/6/17 7:45	4.7	76	18.2	30.8	FALSE
8/6/17 8:00	4	94	18.2	30.8	FALSE
8/6/17 8:15	4.4	79	18.3	30.8	FALSE
8/6/17 8:30	3.8	85	18.4	30.8	FALSE
8/6/17 8:45	3.7	103	18.5	30.8	FALSE
8/6/17 9:00	4.1	107	18.6	30.8	FALSE
8/6/17 9:15	4.7	86	18.6	30.8	FALSE
8/6/17 9:30	4	75	18.9	30.8	FALSE
8/6/17 9:45	4.1	70	19.2	30.8	FALSE
8/6/17 10:00	4.4	87	19.2	30.8	FALSE
8/6/17 10:15	3.9	95	19.3	30.8	FALSE
8/6/17 10:30	5.1	79	19.5	30.8	FALSE
8/6/17 10:45	3.6	61	19.6	30.8	FALSE
8/6/17 11:00	3.8	54	20.1	30.8	FALSE
8/6/17 11:15	4	62	20.6	30.8	FALSE
8/6/17 11:30	5.7	95	20.7	30.8	FALSE
8/6/17 11:45	4.3	132	21.2	30.8	FALSE
8/6/17 12:00	5.4	141	21.1	30.8	FALSE
8/6/17 12:15	4.8	136	21.4	30.8	FALSE
8/6/17 12:30	5	131	21.9	30.8	FALSE
8/6/17 12:45	4.7	85	21.8	30.8	FALSE
8/6/17 13:00	6.4	53	21.6	30.8	FALSE
8/6/17 13:15	6.4	78	21.8	30.8	FALSE
8/6/17 13:30	4.9	120	21.8	30.8	FALSE
8/6/17 13:45	4.5	121	21.6	30.8	FALSE
8/6/17 14:00	4.1	106	22.1	30.8	FALSE
8/6/17 14:15	4.3	72	22.5	30.8	FALSE
8/6/17 14:30	2	45	22.7	30.8	FALSE
8/6/17 14:45	2.6	158	22.7	30.8	FALSE

8/6/17 15:00	3	130	22.8	30.8	FALSE
8/6/17 15:15	2.7	126	22.4	30.8	FALSE
8/6/17 15:30	3.1	87	22.3	30.8	FALSE
8/6/17 15:45	3.9	99	22.4	30.8	FALSE
8/6/17 16:00	6.6	77	22.5	30.8	FALSE
8/6/17 16:15	7.3	54	22.6	30.8	FALSE
8/6/17 16:30	4.3	102	22.8	30.8	FALSE
8/6/17 16:45	4.4	85	22.8	30.8	FALSE
8/6/17 17:00	3.8	74	22.7	30.8	FALSE
8/6/17 17:15	4	93	22.6	30.8	FALSE
8/6/17 17:30	6.3	55	22.6	30.8	FALSE
8/6/17 17:45	6.9	56	22.6	30.7	FALSE
8/6/17 18:00	5.6	66	22.7	30.7	FALSE
8/6/17 18:15	5.5	74	22.6	30.8	FALSE
8/6/17 18:30	4.6	80	22.5	30.8	FALSE
8/6/17 18:45	3.6	88	22.5	30.8	FALSE
8/6/17 19:00	3.4	94	22.5	30.8	FALSE
8/6/17 19:15	3.9	98	22.5	30.8	FALSE
8/6/17 19:30	2.8	93	22.5	30.8	FALSE
8/6/17 19:45	2.5	71	22.5	30.8	FALSE
8/6/17 20:00	2.7	79	22.4	30.8	FALSE
8/6/17 20:15	3.4	37	22.3	30.8	FALSE
8/6/17 20:30	2.4	35	22.3	30.8	FALSE
8/6/17 20:45	3.1	45	22.3	30.8	FALSE
8/6/17 21:00	2.4	40	22.2	30.8	FALSE
8/6/17 21:15	2.2	69	22.1	30.8	FALSE
8/6/17 21:30	3.4	78	22.1	30.8	FALSE
8/6/17 21:45	3.2	96	22	30.8	FALSE
8/6/17 22:00	3.2	110	22	30.8	FALSE
8/6/17 22:15	3.1	102	21.9	30.8	FALSE
8/6/17 22:30	2.9	109	21.9	30.8	FALSE
8/6/17 22:45	3	87	21.8	30.8	FALSE
8/6/17 23:00	3.4	82	21.7	30.8	FALSE
8/6/17 23:15	2.3	89	21.6	30.8	FALSE
8/6/17 23:30	2.2	70	21.5	30.8	FALSE
8/6/17 23:45	2.7	68	21.2	30.8	FALSE
8/7/17 0:00	3.2	77	21	30.8	FALSE
8/7/17 0:15	2.7	66	20.8	30.8	FALSE
8/7/17 0:30	2.8	78	20.6	30.8	FALSE
8/7/17 0:45	2.7	58	20.5	30.8	FALSE
8/7/17 1:00	2.1	30	20.2	30.8	FALSE
8/7/17 1:15	2.2	7	20	30.8	FALSE
8/7/17 1:30	1	40	19.7	30.8	1
8/7/17 1:45	2.3	19	19.5	30.8	FALSE
8/7/17 2:00	1.2	34	19.3	30.8	FALSE
8/7/17 2:15	2.7	17	19.4	30.8	FALSE
8/7/17 2:30	3.6	358	19.4	30.8	FALSE

8/7/17 2:45	3.5	13	19.3	30.8	FALSE
8/7/17 3:00	2.6	4	19.2	30.8	FALSE
8/7/17 3:15	1.9	11	19.1	30.8	FALSE
8/7/17 3:30	1.3	24	19	30.8	FALSE
8/7/17 3:45	1.1	66	18.9	30.8	FALSE
8/7/17 4:00	1.7	71	18.8	30.8	FALSE
8/7/17 4:15	0.9	115	18.8	30.8	1
8/7/17 4:30	1.2	181	18.8	30.8	FALSE
8/7/17 4:45	0.6	134	18.7	30.8	1
8/7/17 5:00	0.7	78	18.5	30.8	1
8/7/17 5:15	0.9	353	18.4	30.8	1
8/7/17 5:30	1.4	232	18.5	30.8	FALSE
8/7/17 5:45	1.6	351	18.7	30.8	FALSE
8/7/17 6:00	2.5	6	18.7	30.8	FALSE
8/7/17 6:15	2.2	1	18.6	30.8	FALSE
8/7/17 6:30	2	12	18.5	30.8	FALSE
8/7/17 6:45	1.3	60	18.4	30.8	FALSE
8/7/17 7:00	1.9	31	18.4	30.8	FALSE
8/7/17 7:15	3	351	18.6	30.8	FALSE
8/7/17 7:30	1.9	4	18.9	30.8	FALSE
8/7/17 7:45	2.7	338	19.1	30.8	FALSE
8/7/17 8:00	3	355	19.4	30.8	FALSE
8/7/17 8:15	3.3	333	19.5	30.8	FALSE
8/7/17 8:30	3.4	351	19.5	30.8	FALSE
8/7/17 8:45	2.1	327	19.9	30.8	FALSE
8/7/17 9:00	2.7	315	20.7	30.8	FALSE
8/7/17 9:15	3	349	21.2	30.8	FALSE
8/7/17 9:30	4	339	21.3	30.8	FALSE
8/7/17 9:45	5.6	339	21.5	30.8	FALSE
8/7/17 10:00	5.5	322	21.5	30.8	FALSE
8/7/17 10:15	4.7	340	21.5	30.8	FALSE
8/7/17 10:30	4.9	343	22.1	30.8	FALSE
8/7/17 10:45	4.1	335	22.5	30.8	FALSE
8/7/17 11:00	5.7	359	23.1	30.8	FALSE
8/7/17 11:15	5.2	15	23.6	30.8	FALSE
8/7/17 11:30	4.7	3	24	30.8	FALSE
8/7/17 11:45	5.3	10	24.2	30.8	FALSE
8/7/17 12:00	6	351	24.1	30.8	FALSE
8/7/17 12:15	6.8	341	24.3	30.8	FALSE
8/7/17 12:30	5	10	25	30.8	FALSE
8/7/17 12:45	6.5	346	25.5	30.8	FALSE
8/7/17 13:00	6.6	347	25.3	30.8	FALSE
8/7/17 13:15	8.1	327	25.5	30.8	FALSE
8/7/17 13:30	6.2	13	25.3	30.8	FALSE
8/7/17 13:45	7.1	342	25.4	30.8	FALSE
8/7/17 14:00	6.5	339	25.1	30.8	FALSE
8/7/17 14:15	6.5	331	25	30.8	FALSE



8/7/17 14:30	7.6	347	24.5	30.8	FALSE
8/7/17 14:45	6	349	24.5	30.8	FALSE
8/7/17 15:00	10.2	343	24.8	30.8	FALSE
8/7/17 15:15	10.1	347	23.3	30.8	FALSE
8/7/17 15:30	9.8	346	23.9	30.8	FALSE
8/7/17 15:45	9.5	337	25.4	30.8	FALSE
8/7/17 16:00	10.6	347	25	30.8	FALSE
8/7/17 16:15	11	336	24.7	30.8	FALSE
8/7/17 16:30	10.5	350	25.1	30.8	FALSE
8/7/17 16:45	9.8	356	25.1	30.8	FALSE
8/7/17 17:00	11.5	347	25	30.8	FALSE
8/7/17 17:15	8.7	3	24.8	30.8	FALSE
8/7/17 17:30	9.4	342	24.6	30.8	FALSE
8/7/17 17:45	8.5	341	24.6	30.8	FALSE
8/7/17 18:00	8.8	346	24.7	30.8	FALSE
8/7/17 18:15	6.6	7	24.8	30.8	FALSE
8/7/17 18:30	6.1	13	24.6	30.8	FALSE
8/7/17 18:45	5.7	7	24.5	30.8	FALSE
8/7/17 19:00	7.4	343	24.6	30.8	FALSE
8/7/17 19:15	6.3	354	24.6	30.8	FALSE
8/7/17 19:30	7.7	346	24.3	30.8	FALSE
8/7/17 19:45	9.8	1	23.9	30.8	FALSE
8/7/17 20:00	9.1	1	23.4	30.8	FALSE
8/7/17 20:15	6.4	9	22.9	30.8	FALSE
8/7/17 20:30	5.6	9	22.6	30.8	FALSE
8/7/17 20:45	4.9	14	22.3	30.8	FALSE
8/7/17 21:00	4	7	22.1	30.8	FALSE
8/7/17 21:15	3.1	16	21.9	30.8	FALSE
8/7/17 21:30	2.7	29	21.7	30.8	FALSE
8/7/17 21:45	2.3	6	21.5	30.8	FALSE
8/7/17 22:00	2.4	351	21.2	30.8	FALSE
8/7/17 22:15	2.6	5	21	30.8	FALSE
8/7/17 22:30	3	10	20.9	30.8	FALSE
8/7/17 22:45	2.8	7	20.7	30.8	FALSE
8/7/17 23:00	2.8	358	20.6	30.8	FALSE
8/7/17 23:15	2.2	10	20.4	30.8	FALSE
8/7/17 23:30	2.8	29	20.3	30.8	FALSE
8/7/17 23:45	2.2	18	20.1	30.8	FALSE
8/8/17 0:00	1.8	24	19.9	30.8	FALSE
8/8/17 0:15	2.2	351	19.7	30.8	FALSE
8/8/17 0:30	1.7	10	19.5	30.8	FALSE
8/8/17 0:45	1.4	355	19.3	30.8	FALSE
8/8/17 1:00	1.4	351	19.1	30.8	FALSE
8/8/17 1:15	2.1	341	19.1	30.8	FALSE
8/8/17 1:30	2.1	350	19.1	30.8	FALSE
8/8/17 1:45	1.9	9	19	30.8	FALSE
8/8/17 2:00	2.1	358	18.9	30.8	FALSE

8/8/17 2:15	2.1	3	18.8	30.8	FALSE
8/8/17 2:30	1.5	18	18.7	30.8	FALSE
8/8/17 2:45	1.7	21	18.5	30.8	FALSE
8/8/17 3:00	1.4	6	18.3	30.8	FALSE
8/8/17 3:15	2.4	339	18.3	30.8	FALSE
8/8/17 3:30	1.8	346	18.2	30.8	FALSE
8/8/17 3:45	1.9	341	18.1	30.8	FALSE
8/8/17 4:00	2	360	18.1	30.8	FALSE
8/8/17 4:15	2.4	12	18	30.8	FALSE
8/8/17 4:30	2.6	350	17.9	30.8	FALSE
8/8/17 4:45	3.2	352	17.8	30.8	FALSE
8/8/17 5:00	2.5	2	17.7	30.8	FALSE
8/8/17 5:15	2.5	15	17.5	30.8	FALSE
8/8/17 5:30	2	15	17.5	30.8	FALSE
8/8/17 5:45	1.8	5	17.4	30.8	FALSE
8/8/17 6:00	2.4	1	17.3	30.8	FALSE
8/8/17 6:15	2.3	10	17.3	30.8	FALSE
8/8/17 6:30	3.4	4	17.3	30.8	FALSE
8/8/17 6:45	2.7	3	17.3	30.8	FALSE
8/8/17 7:00	2.2	7	17.4	30.8	FALSE
8/8/17 7:15	2.8	358	17.8	30.8	FALSE
8/8/17 7:30	2.4	5	18.3	30.8	FALSE
8/8/17 7:45	2.4	1	18.8	30.8	FALSE
8/8/17 8:00	3.1	352	19.2	30.8	FALSE
8/8/17 8:15	4	353	19.5	30.9	FALSE
8/8/17 8:30	4.5	353	19.6	30.9	FALSE
8/8/17 8:45	5	358	20.1	30.9	FALSE
8/8/17 9:00	4.8	23	20.6	30.9	FALSE
8/8/17 9:15	6.2	33	20.9	30.9	FALSE
8/8/17 9:30	5.9	29	21.2	30.9	FALSE
8/8/17 9:45	5.7	27	21.8	30.9	FALSE
8/8/17 10:00	6.1	27	22.2	30.9	FALSE
8/8/17 10:15	6.6	25	22.5	30.9	FALSE
8/8/17 10:30	5.8	26	22.9	30.9	FALSE
8/8/17 10:45	5.9	10	23.2	30.9	FALSE
8/8/17 11:00	5.9	352	23.8	30.9	FALSE
8/8/17 11:15	6.8	5	23.7	30.9	FALSE
8/8/17 11:30	6.8	4	24	30.9	FALSE
8/8/17 11:45	7.6	14	24.1	30.9	FALSE
8/8/17 12:00	9	354	24.1	30.9	FALSE
8/8/17 12:15	6.4	12	24.4	30.9	FALSE
8/8/17 12:30	7.3	354	24.7	30.9	FALSE
8/8/17 12:45	7.2	1	25	30.9	FALSE
8/8/17 13:00	7.3	355	25.1	30.9	FALSE
8/8/17 13:15	6.9	346	25.3	30.8	FALSE
8/8/17 13:30	7.5	331	25.6	30.8	FALSE
8/8/17 13:45	8.2	336	25.5	30.8	FALSE

8/8/17 14:00	8.7	332	25.8	30.8	FALSE
8/8/17 14:15	7.9	340	25.9	30.8	FALSE
8/8/17 14:30	8.8	331	26.2	30.8	FALSE
8/8/17 14:45	8.2	338	26.4	30.8	FALSE
8/8/17 15:00	7.9	338	26.5	30.8	FALSE
8/8/17 15:15	8.8	324	26.4	30.8	FALSE
8/8/17 15:30	7.5	352	26.7	30.8	FALSE
8/8/17 15:45	7.6	349	27	30.8	FALSE
8/8/17 16:00	7.3	343	27	30.8	FALSE
8/8/17 16:15	8.1	350	27	30.8	FALSE
8/8/17 16:30	7.6	354	27	30.8	FALSE
8/8/17 16:45	6	19	27.1	30.8	FALSE
8/8/17 17:00	6.6	9	27.1	30.8	FALSE
8/8/17 17:15	7	349	27.2	30.8	FALSE
8/8/17 17:30	6.2	347	27.2	30.8	FALSE
8/8/17 17:45	7.3	350	27.1	30.8	FALSE
8/8/17 18:00	6.3	347	27.3	30.8	FALSE
8/8/17 18:15	7	346	27	30.8	FALSE
8/8/17 18:30	7.3	353	26.9	30.8	FALSE
8/8/17 18:45	6.6	2	26.8	30.8	FALSE
8/8/17 19:00	5.6	21	26.6	30.8	FALSE
8/8/17 19:15	5.9	21	26.4	30.8	FALSE
8/8/17 19:30	4.6	14	26.2	30.8	FALSE
8/8/17 19:45	4.5	359	25.9	30.8	FALSE
8/8/17 20:00	3.6	1	25.3	30.8	FALSE
8/8/17 20:15	2.9	6	24.8	30.8	FALSE
8/8/17 20:30	3.5	16	23.9	30.8	FALSE
8/8/17 20:45	2.7	23	23.3	30.8	FALSE
8/8/17 21:00	2.5	15	22.8	30.8	FALSE
8/8/17 21:15	2.3	36	22.4	30.8	FALSE
8/8/17 21:30	2.9	26	22.2	30.8	FALSE
8/8/17 21:45	2.7	23	22.2	30.8	FALSE
8/8/17 22:00	2.2	18	21.6	30.8	FALSE
8/8/17 22:15	1.9	11	20.9	30.8	FALSE
8/8/17 22:30	2.3	9	20.2	30.8	FALSE
8/8/17 22:45	2	19	20.1	30.8	FALSE
8/8/17 23:00	1.4	360	19.6	30.8	FALSE
8/8/17 23:15	1.1	353	19.1	30.8	FALSE
8/8/17 23:30	1.1	355	18.7	30.8	FALSE
8/8/17 23:45	1	333	18.5	30.8	1
8/9/17 0:00	1.1	19	18.5	30.8	FALSE
8/9/17 0:15	1.1	15	18.5	30.8	FALSE
8/9/17 0:30	1.2	349	18.2	30.8	FALSE
8/9/17 0:45	0.9	340	18	30.8	1
8/9/17 1:00	1.3	337	17.8	30.8	FALSE
8/9/17 1:15	1.5	347	17.9	30.8	FALSE
8/9/17 1:30	1.3	309	17.7	30.8	FALSE

8/9/17 1:45	1.3	312	17.9	30.8	FALSE
8/9/17 2:00	1.3	349	17.9	30.8	FALSE
8/9/17 2:15	0.7	32	17.4	30.8	1
8/9/17 2:30	1.1	332	17.4	30.8	FALSE
8/9/17 2:45	1	10	17.3	30.8	1
8/9/17 3:00	1.3	39	17.1	30.8	FALSE
8/9/17 3:15	1.4	45	16.9	30.8	FALSE
8/9/17 3:30	1.9	45	16.9	30.8	FALSE
8/9/17 3:45	1.2	65	16.7	30.8	FALSE
8/9/17 4:00	0.8	41	16.2	30.8	1
8/9/17 4:15	1	50	16.1	30.8	1
8/9/17 4:30	1	73	15.8	30.8	1
8/9/17 4:45	0.9	93	15.8	30.8	1
8/9/17 5:00	0.9	44	15.7	30.8	1
8/9/17 5:15	1.5	27	15.7	30.8	FALSE
8/9/17 5:30	1.4	27	15.7	30.8	FALSE
8/9/17 5:45	0.7	12	15.3	30.8	1
8/9/17 6:00	0.7	247	15.2	30.8	1
8/9/17 6:15	1.4	327	15.4	30.8	FALSE
8/9/17 6:30	1.8	18	15.4	30.8	FALSE
8/9/17 6:45	0.9	38	15.3	30.9	1
8/9/17 7:00	0.6	42	15.3	30.9	1
8/9/17 7:15	1.3	6	16.3	30.9	FALSE
8/9/17 7:30	1.8	15	17.3	30.9	FALSE
8/9/17 7:45	2.5	355	18	30.9	FALSE
8/9/17 8:00	2.6	346	18.7	30.9	FALSE
8/9/17 8:15	2.5	345	19.3	30.9	FALSE
8/9/17 8:30	2.8	351	20	30.9	FALSE
8/9/17 8:45	3.1	25	20.9	30.9	FALSE
8/9/17 9:00	3.3	61	21.9	30.9	FALSE
8/9/17 9:15	3	95	22.7	30.9	FALSE
8/9/17 9:30	3.4	61	23.1	30.8	FALSE
8/9/17 9:45	2.8	58	24.1	30.8	FALSE
8/9/17 10:00	3.9	82	24.7	30.8	FALSE
8/9/17 10:15	3.3	110	25.1	30.8	FALSE
8/9/17 10:30	4.5	48	25.4	30.8	FALSE
8/9/17 10:45	5.1	72	25.7	30.8	FALSE
8/9/17 11:00	4.6	37	26	30.8	FALSE
8/9/17 11:15	5.1	47	26.3	30.8	FALSE
8/9/17 11:30	3.2	160	26.9	30.8	FALSE
8/9/17 11:45	4.5	6	27.1	30.8	FALSE
8/9/17 12:00	3.7	359	27.5	30.8	FALSE
8/9/17 12:15	4.7	39	27.1	30.8	FALSE
8/9/17 12:30	3.9	139	27.9	30.8	FALSE
8/9/17 12:45	3.4	156	28.6	30.8	FALSE
8/9/17 13:00	3.5	186	28.7	30.8	FALSE
8/9/17 13:15	5.4	139	28.7	30.8	FALSE

8/9/17 13:30	3.2	259	28.7	30.8	FALSE
8/9/17 13:45	4.2	118	28.2	30.8	FALSE
8/9/17 14:00	6.8	11	28	30.8	FALSE
8/9/17 14:15	7.3	3	27.3	30.8	FALSE
8/9/17 14:30	7.9	331	27.8	30.8	FALSE
8/9/17 14:45	8.4	354	28.1	30.8	FALSE
8/9/17 15:00	10	338	27.8	30.8	FALSE
8/9/17 15:15	7.4	12	28	30.8	FALSE
8/9/17 15:30	6.8	346	28.3	30.8	FALSE
8/9/17 15:45	8.1	344	28.1	30.8	FALSE
8/9/17 16:00	7.9	340	28.3	30.8	FALSE
8/9/17 16:15	8.6	339	28.3	30.8	FALSE
8/9/17 16:30	7.7	353	28.4	30.8	FALSE
8/9/17 16:45	7.9	356	28.5	30.8	FALSE
8/9/17 17:00	8.4	358	28.5	30.8	FALSE
8/9/17 17:15	8.6	348	28.3	30.8	FALSE
8/9/17 17:30	9.3	345	28.4	30.8	FALSE
8/9/17 17:45	7.6	7	28.4	30.8	FALSE
8/9/17 18:00	8.6	354	28.2	30.8	FALSE
8/9/17 18:15	7.6	8	28.1	30.8	FALSE
8/9/17 18:30	7.9	14	27.8	30.8	FALSE
8/9/17 18:45	6.5	7	27.8	30.8	FALSE
8/9/17 19:00	6.8	3	27.7	30.8	FALSE
8/9/17 19:15	5.9	15	27.4	30.8	FALSE
8/9/17 19:30	5.2	11	26.7	30.8	FALSE
8/9/17 19:45	4.7	19	26.7	30.8	FALSE
8/9/17 20:00	3.8	23	26.3	30.8	FALSE
8/9/17 20:15	3.4	27	25.9	30.8	FALSE
8/9/17 20:30	3.3	22	25.5	30.8	FALSE
8/9/17 20:45	2.5	18	25	30.8	FALSE
8/9/17 21:00	1.3	37	24.3	30.8	FALSE
8/9/17 21:15	1.5	35	23.8	30.8	FALSE
8/9/17 21:30	1.5	31	23.8	30.8	FALSE
8/9/17 21:45	1.7	33	23.7	30.8	FALSE
8/9/17 22:00	1	19	23.7	30.8	1
8/9/17 22:15	0.6	346	23.3	30.8	1
8/9/17 22:30	0.9	106	23.3	30.8	1
8/9/17 22:45	1.4	50	23.4	30.8	FALSE
8/9/17 23:00	1.2	8	23.1	30.8	FALSE
8/9/17 23:15	1.1	35	22.7	30.8	FALSE
8/9/17 23:30	1.1	105	22.8	30.8	FALSE
8/9/17 23:45	0.9	59	22.8	30.8	1
8/10/17 0:00	1.8	18	22.2	30.8	FALSE
8/10/17 0:15	1.7	61	21.8	30.8	FALSE
8/10/17 0:30	1.6	110	22.2	30.8	FALSE
8/10/17 0:45	2.3	81	22.7	30.8	FALSE
8/10/17 1:00	1.9	42	22.5	30.8	FALSE

8/10/17 1:15	1.1	62	22.2	30.8	FALSE
8/10/17 1:30	0.9	58	21.9	30.8	1
8/10/17 1:45	1.5	342	21.6	30.8	FALSE
8/10/17 2:00	1.3	12	21.5	30.8	FALSE
8/10/17 2:15	0.9	343	21.4	30.8	1
8/10/17 2:30	0.6	39	21.6	30.8	1
8/10/17 2:45	0.6	59	21.5	30.8	1
8/10/17 3:00	0.8	63	21.5	30.8	1
8/10/17 3:15	1.5	13	21.4	30.8	FALSE
8/10/17 3:30	1.2	25	21.4	30.8	FALSE
8/10/17 3:45	1.2	42	21.2	30.8	FALSE
8/10/17 4:00	0.6	47	21.3	30.8	1
8/10/17 4:15	0.6	56	21.3	30.8	1
8/10/17 4:30	0.9	157	21.6	30.8	1
8/10/17 4:45	0.7	147	22.1	30.8	1
8/10/17 5:00	1.2	165	22.2	30.8	FALSE
8/10/17 5:15	1.3	168	22.3	30.8	FALSE
8/10/17 5:30	2.3	176	22.4	30.8	FALSE
8/10/17 5:45	2.4	174	22.6	30.8	FALSE
8/10/17 6:00	2.2	174	22.7	30.8	FALSE
8/10/17 6:15	2.3	173	22.7	30.8	FALSE
8/10/17 6:30	2.7	178	22.7	30.8	FALSE
8/10/17 6:45	1.9	172	22.6	30.8	FALSE
8/10/17 7:00	2.8	170	22.7	30.8	FALSE
8/10/17 7:15	3.2	175	22.9	30.8	FALSE
8/10/17 7:30	3.6	177	23.1	30.8	FALSE
8/10/17 7:45	3.4	183	23.2	30.8	FALSE
8/10/17 8:00	4.9	195	23.4	30.8	FALSE
8/10/17 8:15	5.4	185	23.7	30.8	FALSE
8/10/17 8:30	4.8	190	23.7	30.8	FALSE
8/10/17 8:45	5.7	191	24.3	30.8	FALSE
8/10/17 9:00	5.9	180	24.7	30.8	FALSE
8/10/17 9:15	7.8	194	24.8	30.8	FALSE
8/10/17 9:30	4.9	192	24.9	30.8	FALSE
8/10/17 9:45	5.6	205	25.3	30.8	FALSE
8/10/17 10:00	6.9	195	26.1	30.8	FALSE
8/10/17 10:15	7	191	26.9	30.8	FALSE
8/10/17 10:30	9.1	212	27.2	30.8	FALSE
8/10/17 10:45	8.3	194	27.1	30.8	FALSE
8/10/17 11:00	9.4	200	27.9	30.8	FALSE
8/10/17 11:15	8.7	210	27.7	30.8	FALSE
8/10/17 11:30	8.7	201	28	30.8	FALSE
8/10/17 11:45	9	226	28	30.8	FALSE
8/10/17 12:00	9.8	224	27.9	30.8	FALSE
8/10/17 12:15	6.7	202	28.9	30.8	FALSE
8/10/17 12:30	9.9	212	28.5	30.8	FALSE
8/10/17 12:45	8.6	215	28.7	30.8	FALSE

8/10/17 13:00	9.8	221	28.9	30.8	FALSE
8/10/17 13:15	10.8	211	28.7	30.8	FALSE
8/10/17 13:30	10.2	197	28.9	30.8	FALSE
8/10/17 13:45	9.4	209	28.8	30.8	FALSE
8/10/17 14:00	10.4	212	29.5	30.8	FALSE
8/10/17 14:15	10.7	205	29.6	30.8	FALSE
8/10/17 14:30	9.1	197	30.2	30.8	FALSE
8/10/17 14:45	10.1	190	30	30.8	FALSE
8/10/17 15:00	9.1	183	29.5	30.8	FALSE
8/10/17 15:15	9.8	189	29.5	30.8	FALSE
8/10/17 15:30	8.3	179	30.2	30.8	FALSE
8/10/17 15:45	9.2	193	30.3	30.8	FALSE
8/10/17 16:00	8.9	197	31.1	30.8	FALSE
8/10/17 16:15	10.6	204	30.7	30.8	FALSE
8/10/17 16:30	9	192	31.1	30.8	FALSE
8/10/17 16:45	8.2	200	31	30.8	FALSE
8/10/17 17:00	10.1	187	31.3	30.8	FALSE
8/10/17 17:15	9.2	180	31.1	30.8	FALSE
8/10/17 17:30	8.9	178	31.4	30.8	FALSE
8/10/17 17:45	12.4	198	30.4	30.8	FALSE
8/10/17 18:00	8.9	188	30.5	30.8	FALSE
8/10/17 18:15	9.5	181	30.7	30.8	FALSE
8/10/17 18:30	9.2	188	30.3	30.8	FALSE
8/10/17 18:45	8.7	181	30.1	30.8	FALSE
8/10/17 19:00	8.9	203	29.7	30.8	FALSE
8/10/17 19:15	9.4	213	29.2	30.8	FALSE
8/10/17 19:30	8.5	210	28.8	30.8	FALSE
8/10/17 19:45	8.4	207	28.4	30.8	FALSE
8/10/17 20:00	8.9	205	28	30.8	FALSE
8/10/17 20:15	7.4	204	27.7	30.8	FALSE
8/10/17 20:30	5.8	200	27.4	30.8	FALSE
8/10/17 20:45	4.4	205	27.2	30.8	FALSE
8/10/17 21:00	3.9	212	27	30.8	FALSE
8/10/17 21:15	3.3	204	26.8	30.8	FALSE
8/10/17 21:30	3.5	192	26.6	30.8	FALSE
8/10/17 21:45	3.9	191	26.4	30.8	FALSE
8/10/17 22:00	4.9	189	26.3	30.8	FALSE
8/10/17 22:15	3.9	193	26.2	30.8	FALSE
8/10/17 22:30	3	175	26.1	30.8	FALSE
8/10/17 22:45	3.6	185	25.9	30.8	FALSE
8/10/17 23:00	2	168	25.7	30.8	FALSE
8/10/17 23:15	2.3	156	25.5	30.8	FALSE
8/10/17 23:30	3.2	178	25.6	30.8	FALSE
8/10/17 23:45	4.6	184	25.5	30.8	FALSE
8/11/17 0:00	4.3	181	25.2	30.8	FALSE
8/11/17 0:15	3.2	177	24.9	30.8	FALSE
8/11/17 0:30	2.3	169	24.7	30.8	FALSE

8/11/17 0:45	3.1	186	24.5	30.8	FALSE
8/11/17 1:00	3.6	191	24.3	30.8	FALSE
8/11/17 1:15	4.4	238	24.2	30.8	FALSE
8/11/17 1:30	12.2	342	23.3	30.8	FALSE
8/11/17 1:45	8.2	3	22.5	30.8	FALSE
8/11/17 2:00	5.3	8	22.3	30.8	FALSE
8/11/17 2:15	5.4	16	22.1	30.8	FALSE
8/11/17 2:30	5	25	22	30.8	FALSE
8/11/17 2:45	3	29	21.9	30.8	FALSE
8/11/17 3:00	1.7	16	21.8	30.8	FALSE
8/11/17 3:15	2.2	42	21.7	30.8	FALSE
8/11/17 3:30	1.9	18	21.6	30.8	FALSE
8/11/17 3:45	2.2	36	21.7	30.8	FALSE
8/11/17 4:00	2.8	359	21.6	30.8	FALSE
8/11/17 4:15	3.2	314	21.3	30.8	FALSE
8/11/17 4:30	1.9	347	21.5	30.8	FALSE
8/11/17 4:45	2.2	271	21.1	30.8	FALSE
8/11/17 5:00	3.3	184	20.8	30.8	FALSE
8/11/17 5:15	1.6	112	20.8	30.8	FALSE
8/11/17 5:30	3.5	191	20.8	30.8	FALSE
8/11/17 5:45	3.3	196	21	30.8	FALSE
8/11/17 6:00	2.9	169	21	30.8	FALSE
8/11/17 6:15	4	189	20.9	30.8	FALSE
8/11/17 6:30	4.8	186	21	30.8	FALSE
8/11/17 6:45	8.1	189	21.1	30.8	FALSE
8/11/17 7:00	4.6	185	21.2	30.8	FALSE
8/11/17 7:15	2.6	167	21.3	30.8	FALSE
8/11/17 7:30	3.6	173	21.6	30.8	FALSE
8/11/17 7:45	4.6	159	21.6	30.8	FALSE
8/11/17 8:00	5.4	151	21.7	30.8	FALSE
8/11/17 8:15	2.7	150	21.8	30.8	FALSE
8/11/17 8:30	5.8	185	22	30.8	FALSE
8/11/17 8:45	5.8	176	22	30.8	FALSE
8/11/17 9:00	4.5	182	22.2	30.8	FALSE
8/11/17 9:15	4.9	198	22.2	30.8	FALSE
8/11/17 9:30	3.9	206	22.5	30.8	FALSE
8/11/17 9:45	4.3	239	22.9	30.8	FALSE
8/11/17 10:00	4.4	240	23.4	30.8	FALSE
8/11/17 10:15	5.4	260	24.2	30.8	FALSE
8/11/17 10:30	6.7	309	24.3	30.8	FALSE
8/11/17 10:45	8.3	305	24.3	30.8	FALSE
8/11/17 11:00	9.3	321	24	30.8	FALSE
8/11/17 11:15	7	320	23.6	30.8	FALSE
8/11/17 11:30	5	303	24.3	30.8	FALSE
8/11/17 11:45	7.4	310	24.6	30.8	FALSE
8/11/17 12:00	8.4	313	24.6	30.8	FALSE
8/11/17 12:15	7.5	314	24.8	30.8	FALSE



8/11/17 12:30	6.9	299	25.1	30.8	FALSE
8/11/17 12:45	7.6	322	25.9	30.8	FALSE
8/11/17 13:00	7.7	322	26.3	30.8	FALSE
8/11/17 13:15	7.3	338	26.7	30.8	FALSE
8/11/17 13:30	7.9	321	26.4	30.8	FALSE
8/11/17 13:45	7.8	319	26.6	30.8	FALSE
8/11/17 14:00	6.9	340	27.1	30.8	FALSE
8/11/17 14:15	7.1	354	27.2	30.8	FALSE
8/11/17 14:30	8.2	334	26.9	30.8	FALSE
8/11/17 14:45	7.1	341	27.2	30.8	FALSE
8/11/17 15:00	7.6	337	27.2	30.8	FALSE
8/11/17 15:15	7.5	318	27.1	30.8	FALSE
8/11/17 15:30	6.6	334	27.3	30.8	FALSE
8/11/17 15:45	7.4	323	27.4	30.8	FALSE
8/11/17 16:00	8.1	345	27	30.8	FALSE
8/11/17 16:15	7.2	348	27.1	30.8	FALSE
8/11/17 16:30	8.5	344	27.8	30.8	FALSE
8/11/17 16:45	9.2	338	28.2	30.8	FALSE
8/11/17 17:00	9.3	357	28.2	30.8	FALSE
8/11/17 17:15	10.7	341	28.3	30.8	FALSE
8/11/17 17:30	9.1	334	28.4	30.8	FALSE
8/11/17 17:45	9.8	343	28.4	30.8	FALSE
8/11/17 18:00	9.2	332	27.9	30.8	FALSE
8/11/17 18:15	8.8	333	27.9	30.8	FALSE
8/11/17 18:30	9.2	346	27.9	30.8	FALSE
8/11/17 18:45	8.4	348	27.8	30.8	FALSE
8/11/17 19:00	9.3	343	27.3	30.8	FALSE
8/11/17 19:15	8.8	345	27.1	30.8	FALSE
8/11/17 19:30	7.2	339	26.9	30.8	FALSE
8/11/17 19:45	6.6	345	26.5	30.8	FALSE
8/11/17 20:00	6.3	346	26	30.8	FALSE
8/11/17 20:15	4.6	344	25.5	30.8	FALSE
8/11/17 20:30	5.2	331	25.1	30.8	FALSE
8/11/17 20:45	4.6	322	24.9	30.8	FALSE
8/11/17 21:00	4.6	330	24.5	30.8	FALSE
8/11/17 21:15	2.6	357	24	30.8	FALSE
8/11/17 21:30	3	349	23.5	30.8	FALSE
8/11/17 21:45	5.4	347	23.3	30.8	FALSE
8/11/17 22:00	6.4	344	23.1	30.8	FALSE
8/11/17 22:15	5.7	345	22.8	30.8	FALSE
8/11/17 22:30	4.2	353	22.4	30.8	FALSE
8/11/17 22:45	5.7	348	22.1	30.8	FALSE
8/11/17 23:00	6.7	345	21.8	30.8	FALSE
8/11/17 23:15	5.9	349	21.4	30.8	FALSE
8/11/17 23:30	5.8	349	21.1	30.8	FALSE
8/11/17 23:45	6.2	346	20.9	30.8	FALSE
8/12/17 0:00	5.6	352	20.6	30.8	FALSE

8/12/17 0:15	3.9	15	20.3	30.8	FALSE
8/12/17 0:30	3.6	4	20	30.8	FALSE
8/12/17 0:45	4	355	19.7	30.8	FALSE
8/12/17 1:00	3.7	359	19.6	30.8	FALSE
8/12/17 1:15	2.4	23	19.4	30.8	FALSE
8/12/17 1:30	2.6	20	19.1	30.8	FALSE
8/12/17 1:45	3.3	17	19	30.8	FALSE
8/12/17 2:00	2.6	18	18.9	30.8	FALSE
8/12/17 2:15	1	18	18.6	30.8	1
8/12/17 2:30	1	77	18.2	30.8	1
8/12/17 2:45	0.6	45	17.8	30.8	1
8/12/17 3:00	0.6	0	17.5	30.8	1
8/12/17 3:15	1.3	30	17.5	30.8	FALSE
8/12/17 3:30	1.7	351	17.6	30.8	FALSE
8/12/17 3:45	0.7	357	17.5	30.8	1
8/12/17 4:00	1.7	345	17.4	30.8	FALSE
8/12/17 4:15	2.5	325	17.6	30.8	FALSE
8/12/17 4:30	1.8	10	17.4	30.8	FALSE
8/12/17 4:45	2.3	13	17.2	30.8	FALSE
8/12/17 5:00	2	13	17	30.8	FALSE
8/12/17 5:15	1.5	11	16.8	30.8	FALSE
8/12/17 5:30	0.6	169	16.5	30.8	1
8/12/17 5:45	0.8	326	16.4	30.8	1
8/12/17 6:00	1	353	16.3	30.8	1
8/12/17 6:15	1.5	350	16.4	30.8	FALSE
8/12/17 6:30	0.7	25	16.2	30.8	1
8/12/17 6:45	0.7	5	16.1	30.8	1
8/12/17 7:00	1.1	330	16.3	30.8	FALSE
8/12/17 7:15	1.4	352	17.2	30.8	FALSE
8/12/17 7:30	3.1	337	18	30.8	FALSE
8/12/17 7:45	3.1	354	18.4	30.8	FALSE
8/12/17 8:00	5	336	18.6	30.8	FALSE
8/12/17 8:15	5.6	336	18.6	30.8	FALSE
8/12/17 8:30	5.5	352	19.1	30.8	FALSE
8/12/17 8:45	6.3	349	19.3	30.8	FALSE
8/12/17 9:00	6.6	348	19.7	30.8	FALSE
8/12/17 9:15	6.4	348	20.3	30.8	FALSE
8/12/17 9:30	5.8	360	21.1	30.8	FALSE
8/12/17 9:45	7.9	352	21.5	30.8	FALSE
8/12/17 10:00	8.3	347	21.7	30.8	FALSE
8/12/17 10:15	9.8	347	22.1	30.8	FALSE
8/12/17 10:30	10.1	349	22.3	30.8	FALSE
8/12/17 10:45	9.5	355	22.7	30.8	FALSE
8/12/17 11:00	8.6	356	23.1	30.8	FALSE
8/12/17 11:15	7.9	14	23.4	30.8	FALSE
8/12/17 11:30	8.6	6	23.5	30.8	FALSE
8/12/17 11:45	10.2	345	23.6	30.8	FALSE

8/12/17 12:00	7.6	6	24.1	30.8	FALSE
8/12/17 12:15	9.5	340	24.1	30.8	FALSE
8/12/17 12:30	8.6	353	24.2	30.8	FALSE
8/12/17 12:45	8.8	343	24.6	30.8	FALSE
8/12/17 13:00	8.4	346	24.7	30.8	FALSE
8/12/17 13:15	9.3	328	24.6	30.8	FALSE
8/12/17 13:30	8.2	358	24.8	30.8	FALSE
8/12/17 13:45	8.9	328	24.8	30.8	FALSE
8/12/17 14:00	10.4	339	25.4	30.8	FALSE
8/12/17 14:15	8.7	336	25.5	30.8	FALSE
8/12/17 14:30	7.3	341	26	30.8	FALSE
8/12/17 14:45	7.9	337	25.5	30.8	FALSE
8/12/17 15:00	5.8	13	26.3	30.8	FALSE
8/12/17 15:15	5.3	10	25.8	30.8	FALSE
8/12/17 15:30	8.4	356	26.4	30.8	FALSE
8/12/17 15:45	7.9	341	26.3	30.8	FALSE
8/12/17 16:00	10	341	26.1	30.8	FALSE
8/12/17 16:15	6.6	3	26	30.8	FALSE
8/12/17 16:30	6.9	336	26.4	30.8	FALSE
8/12/17 16:45	6.9	324	26.1	30.8	FALSE
8/12/17 17:00	8.2	345	26.7	30.8	FALSE
8/12/17 17:15	8	339	26	30.8	FALSE
8/12/17 17:30	6.7	350	26	30.8	FALSE
8/12/17 17:45	6.3	347	26.3	30.8	FALSE
8/12/17 18:00	6.9	348	26.4	30.8	FALSE
8/12/17 18:15	8.3	336	26	30.8	FALSE
8/12/17 18:30	6.7	335	26	30.8	FALSE
8/12/17 18:45	6.6	5	25.9	30.8	FALSE
8/12/17 19:00	4.4	360	25.5	30.8	FALSE
8/12/17 19:15	4	2	25.1	30.8	FALSE
8/12/17 19:30	4	356	25.6	30.8	FALSE
8/12/17 19:45	4	356	25.3	30.8	FALSE
8/12/17 20:00	3.2	9	24.9	30.8	FALSE
8/12/17 20:15	2.6	8	24.4	30.8	FALSE
8/12/17 20:30	2.5	18	23.7	30.8	FALSE
8/12/17 20:45	2.4	22	23.2	30.8	FALSE
8/12/17 21:00	2	27	22.8	30.8	FALSE
8/12/17 21:15	1.4	14	22.2	30.8	FALSE
8/12/17 21:30	1.3	22	21.4	30.8	FALSE
8/12/17 21:45	1.4	51	21.2	30.8	FALSE
8/12/17 22:00	0.8	35	20.8	30.8	1
8/12/17 22:15	1.3	20	20.1	30.8	FALSE
8/12/17 22:30	1.5	17	19.9	30.8	FALSE
8/12/17 22:45	0.9	15	19.4	30.8	1
8/12/17 23:00	0.7	4	19.1	30.8	1
8/12/17 23:15	0.9	3	18.9	30.8	1
8/12/17 23:30	0.9	39	18.7	30.8	1

8/12/17 23:45	0.8	42	18.5	30.8	1
8/13/17 0:00	0.6	47	18.1	30.8	1
8/13/17 0:15	1	42	18.2	30.8	1
8/13/17 0:30	0.9	53	18.2	30.8	1
8/13/17 0:45	0.9	25	17.9	30.8	1
8/13/17 1:00	0.8	60	17.7	30.8	1
8/13/17 1:15	0.6	51	17.4	30.8	1
8/13/17 1:30	0.9	157	17.5	30.8	1
8/13/17 1:45	0.9	140	18	30.8	1
8/13/17 2:00	1.5	8	17.7	30.8	FALSE
8/13/17 2:15	1.6	13	17.4	30.8	FALSE
8/13/17 2:30	1	50	17	30.8	1
8/13/17 2:45	1.5	35	16.7	30.8	FALSE
8/13/17 3:00	1.4	23	16.5	30.8	FALSE
8/13/17 3:15	1	351	16.4	30.8	1
8/13/17 3:30	0.9	11	16.2	30.8	1
8/13/17 3:45	0.8	40	16.2	30.8	1
8/13/17 4:00	0.7	38	16.1	30.8	1
8/13/17 4:15	0.9	328	15.9	30.8	1
8/13/17 4:30	0.8	112	16	30.8	1
8/13/17 4:45	0.6	95	16.1	30.8	1
8/13/17 5:00	1.3	49	16	30.8	FALSE
8/13/17 5:15	2.1	26	16	30.8	FALSE
8/13/17 5:30	1.2	58	15.7	30.8	FALSE
8/13/17 5:45	0.9	64	15.5	30.8	1
8/13/17 6:00	1.1	13	15.6	30.8	FALSE
8/13/17 6:15	1.1	46	15.4	30.8	FALSE
8/13/17 6:30	0.6	27	15.4	30.8	1
8/13/17 6:45	0.6	24	15.4	30.8	1
8/13/17 7:00	1.1	4	15.4	30.8	FALSE
8/13/17 7:15	2.5	353	16	30.8	FALSE
8/13/17 7:30	2.8	14	16.6	30.8	FALSE
8/13/17 7:45	2.2	11	17.3	30.8	FALSE
8/13/17 8:00	2.8	4	17.9	30.8	FALSE
8/13/17 8:15	2.5	347	18.5	30.8	FALSE
8/13/17 8:30	2	345	19.3	30.8	FALSE
8/13/17 8:45	2.2	349	20.5	30.8	FALSE
8/13/17 9:00	3.1	342	20.9	30.8	FALSE
8/13/17 9:15	4.2	359	21.4	30.8	FALSE
8/13/17 9:30	3	26	22	30.8	FALSE
8/13/17 9:45	2.9	62	23	30.8	FALSE
8/13/17 10:00	3	101	23.9	30.8	FALSE
8/13/17 10:15	4.8	93	24	30.8	FALSE
8/13/17 10:30	4.7	104	24.2	30.8	FALSE
8/13/17 10:45	4.3	119	24.9	30.8	FALSE
8/13/17 11:00	4.7	148	25	30.8	FALSE
8/13/17 11:15	4.1	151	25.3	30.8	FALSE

8/13/17 11:30	4.4	105	26.1	30.8	FALSE
8/13/17 11:45	4.9	82	25.8	30.8	FALSE
8/13/17 12:00	4.3	118	26.1	30.8	FALSE
8/13/17 12:15	4.6	64	26.2	30.8	FALSE
8/13/17 12:30	4.3	44	26.5	30.8	FALSE
8/13/17 12:45	4.6	69	26.7	30.8	FALSE
8/13/17 13:00	5.2	67	27.1	30.8	FALSE
8/13/17 13:15	3.9	49	26.9	30.8	FALSE
8/13/17 13:30	4.5	57	27.1	30.8	FALSE
8/13/17 13:45	4.8	115	27.3	30.8	FALSE
8/13/17 14:00	4.9	80	27.8	30.8	FALSE
8/13/17 14:15	4.5	171	27.9	30.8	FALSE
8/13/17 14:30	6	132	27.7	30.8	FALSE
8/13/17 14:45	4.5	102	28.3	30.8	FALSE
8/13/17 15:00	4.6	128	28.2	30.8	FALSE
8/13/17 15:15	6.1	24	28.3	30.8	FALSE
8/13/17 15:30	6	113	28.4	30.8	FALSE
8/13/17 15:45	3.9	237	28.2	30.8	FALSE
8/13/17 16:00	3.5	145	28.5	30.8	FALSE
8/13/17 16:15	3.7	140	28.4	30.8	FALSE
8/13/17 16:30	4.8	153	28.1	30.8	FALSE
8/13/17 16:45	2.7	123	28.5	30.8	FALSE
8/13/17 17:00	3.7	65	28.7	30.8	FALSE
8/13/17 17:15	6	34	27.8	30.8	FALSE
8/13/17 17:30	7.9	7	26.3	30.8	FALSE
8/13/17 17:45	6.1	13	26.4	30.8	FALSE
8/13/17 18:00	6.7	20	26.5	30.8	FALSE
8/13/17 18:15	7.1	23	26.1	30.8	FALSE
8/13/17 18:30	7.4	23	26	30.8	FALSE
8/13/17 18:45	6	32	25.9	30.7	FALSE
8/13/17 19:00	6.4	33	25.7	30.7	FALSE
8/13/17 19:15	5.5	36	25.5	30.7	FALSE
8/13/17 19:30	6.3	39	25.5	30.8	FALSE
8/13/17 19:45	6.1	40	25.2	30.7	FALSE
8/13/17 20:00	5.2	33	25	30.7	FALSE
8/13/17 20:15	6.2	42	24.9	30.7	FALSE
8/13/17 20:30	4.3	61	24.7	30.7	FALSE
8/13/17 20:45	4.1	73	24.5	30.7	FALSE
8/13/17 21:00	4.6	76	24.3	30.7	FALSE
8/13/17 21:15	4.6	72	24.1	30.7	FALSE
8/13/17 21:30	3.9	79	23.9	30.7	FALSE
8/13/17 21:45	4.5	75	23.7	30.7	FALSE
8/13/17 22:00	4.5	78	23.6	30.8	FALSE
8/13/17 22:15	5	77	23.4	30.8	FALSE
8/13/17 22:30	3.9	84	23.3	30.8	FALSE
8/13/17 22:45	3.7	83	23.1	30.8	FALSE
8/13/17 23:00	4.5	80	23.2	30.8	FALSE

8/13/17 23:15	4.2	85	23.2	30.8	FALSE
8/13/17 23:30	4.2	82	23.1	30.8	FALSE
8/13/17 23:45	4.4	86	23.2	30.8	FALSE
8/14/17 0:00	2.5	107	23.1	30.8	FALSE
8/14/17 0:15	1.3	96	23.1	30.8	FALSE
8/14/17 0:30	1.1	67	23.1	30.8	FALSE
8/14/17 0:45	2.5	36	23	30.8	FALSE
8/14/17 1:00	2.8	52	22.7	30.7	FALSE
8/14/17 1:15	2.9	74	22.8	30.7	FALSE
8/14/17 1:30	2.5	100	22.9	30.7	FALSE
8/14/17 1:45	3.5	101	23	30.7	FALSE
8/14/17 2:00	3.7	102	22.9	30.7	FALSE
8/14/17 2:15	3.5	92	22.8	30.7	FALSE
8/14/17 2:30	2.5	93	22.8	30.7	FALSE
8/14/17 2:45	1.5	113	22.9	30.7	FALSE
8/14/17 3:00	1.1	180	23	30.7	FALSE
8/14/17 3:15	1.9	35	22.8	30.7	FALSE
8/14/17 3:30	2.3	76	22.5	30.7	FALSE
8/14/17 3:45	1.1	208	22.8	30.7	FALSE
8/14/17 4:00	0.8	129	22.8	30.7	1
8/14/17 4:15	2	192	22.8	30.7	FALSE
8/14/17 4:30	3	210	22.9	30.7	FALSE
8/14/17 4:45	3.1	201	22.7	30.7	FALSE
8/14/17 5:00	5.7	210	22.5	30.7	FALSE
8/14/17 5:15	6.9	197	22.2	30.7	FALSE
8/14/17 5:30	4.6	185	21.2	30.7	FALSE
8/14/17 5:45	3.4	176	20.6	30.7	FALSE
8/14/17 6:00	3.6	179	20.6	30.7	FALSE
8/14/17 6:15	3.4	179	20.7	30.7	FALSE
8/14/17 6:30	3.1	153	20.8	30.7	FALSE
8/14/17 6:45	1.9	157	20.9	30.7	FALSE
8/14/17 7:00	3	167	20.9	30.7	FALSE
8/14/17 7:15	3.4	146	21	30.7	FALSE
8/14/17 7:30	3.8	140	21	30.7	FALSE
8/14/17 7:45	3.5	134	21.2	30.7	FALSE
8/14/17 8:00	3.4	118	21.4	30.7	FALSE
8/14/17 8:15	3	109	21.7	30.7	FALSE
8/14/17 8:30	2.6	99	22.1	30.7	FALSE
8/14/17 8:45	3.3	93	22.5	30.7	FALSE
8/14/17 9:00	3.3	95	22.9	30.7	FALSE
8/14/17 9:15	3.6	87	23.8	30.7	FALSE
8/14/17 9:30	4.6	137	24.1	30.7	FALSE
8/14/17 9:45	6.7	159	24.4	30.7	FALSE
8/14/17 10:00	6.4	148	24.5	30.7	FALSE
8/14/17 10:15	6.6	159	24.7	30.7	FALSE
8/14/17 10:30	4.7	151	24.7	30.7	FALSE
8/14/17 10:45	5.9	151	24.9	30.7	FALSE

8/14/17 11:00	5.4	152	25.3	30.7	FALSE
8/14/17 11:15	5.5	184	25.4	30.7	FALSE
8/14/17 11:30	4.9	164	25.6	30.7	FALSE
8/14/17 11:45	5.2	142	26.1	30.7	FALSE
8/14/17 12:00	4.6	129	26.5	30.7	FALSE
8/14/17 12:15	5.5	143	26.5	30.7	FALSE
8/14/17 12:30	5.3	126	26.7	30.7	FALSE
8/14/17 12:45	5.5	157	26.8	30.7	FALSE
8/14/17 13:00	4	130	27.4	30.7	FALSE
8/14/17 13:15	4.4	177	27.4	30.7	FALSE
8/14/17 13:30	5.2	164	27	30.7	FALSE
8/14/17 13:45	7.1	173	26.7	30.7	FALSE
8/14/17 14:00	8.1	187	26.5	30.7	FALSE
8/14/17 14:15	6.3	164	27.2	30.7	FALSE
8/14/17 14:30	6.2	154	27.5	30.7	FALSE
8/14/17 14:45	5.4	144	27.9	30.7	FALSE
8/14/17 15:00	5.4	164	27.9	30.7	FALSE
8/14/17 15:15	6.1	175	27.8	30.7	FALSE
8/14/17 15:30	8.3	185	27.8	30.7	FALSE
8/14/17 15:45	6.8	151	27.5	30.7	FALSE
8/14/17 16:00	5.2	139	27.8	30.7	FALSE
8/14/17 16:15	5.3	176	28.1	30.7	FALSE
8/14/17 16:30	6.5	186	28.3	30.7	FALSE
8/14/17 16:45	9.1	200	27.7	30.7	FALSE
8/14/17 17:00	10.7	201	27.5	30.7	FALSE
8/14/17 17:15	7.9	187	27.6	30.7	FALSE
8/14/17 17:30	7.8	195	27.6	30.7	FALSE
8/14/17 17:45	8.1	199	27.4	30.7	FALSE
8/14/17 18:00	6.5	195	27.4	30.7	FALSE
8/14/17 18:15	8.2	193	27.2	30.7	FALSE
8/14/17 18:30	8.5	198	27.2	30.7	FALSE
8/14/17 18:45	8	201	26.9	30.7	FALSE
8/14/17 19:00	8.2	211	26.8	30.7	FALSE
8/14/17 19:15	7.3	209	26.6	30.7	FALSE
8/14/17 19:30	7	198	26.5	30.7	FALSE
8/14/17 19:45	6.6	199	26.5	30.7	FALSE
8/14/17 20:00	6.7	204	26.4	30.7	FALSE
8/14/17 20:15	8.1	208	25.9	30.7	FALSE
8/14/17 20:30	6.7	206	25.7	30.7	FALSE
8/14/17 20:45	5.2	214	25.6	30.7	FALSE
8/14/17 21:00	4.1	205	25.4	30.7	FALSE
8/14/17 21:15	5	203	25.2	30.7	FALSE
8/14/17 21:30	5.2	204	25	30.7	FALSE
8/14/17 21:45	4.9	203	24.8	30.7	FALSE
8/14/17 22:00	3.6	191	24.7	30.7	FALSE
8/14/17 22:15	2.7	184	24.5	30.7	FALSE
8/14/17 22:30	3.1	197	24.2	30.7	FALSE

8/14/17 22:45	2	192	24.1	30.7	FALSE
8/14/17 23:00	1.4	176	23.8	30.7	FALSE
8/14/17 23:15	2	193	23.8	30.7	FALSE
8/14/17 23:30	1.7	186	23.6	30.7	FALSE
8/14/17 23:45	2.3	209	23.5	30.7	FALSE
8/15/17 0:00	1	220	23.1	30.7	1
8/15/17 0:15	1.7	194	22.9	30.7	FALSE
8/15/17 0:30	2	212	23	30.7	FALSE
8/15/17 0:45	2.2	199	22.9	30.7	FALSE
8/15/17 1:00	1.9	180	22.8	30.7	FALSE
8/15/17 1:15	0.9	145	22.6	30.7	1
8/15/17 1:30	0.9	164	22.5	30.7	1
8/15/17 1:45	1.6	187	22.5	30.7	FALSE
8/15/17 2:00	1.3	177	22.7	30.7	FALSE
8/15/17 2:15	1.8	192	22.8	30.7	FALSE
8/15/17 2:30	2	183	22.9	30.7	FALSE
8/15/17 2:45	1.8	173	22.8	30.7	FALSE
8/15/17 3:00	1.6	162	22.7	30.7	FALSE
8/15/17 3:15	1.1	160	22.5	30.7	FALSE
8/15/17 3:30	1.5	175	22.3	30.7	FALSE
8/15/17 3:45	1.9	171	22.3	30.7	FALSE
8/15/17 4:00	1	146	22.2	30.7	1
8/15/17 4:15	1.3	158	22	30.7	FALSE
8/15/17 4:30	1.7	166	22.2	30.7	FALSE
8/15/17 4:45	2	183	22	30.7	FALSE
8/15/17 5:00	2.5	192	22	30.7	FALSE
8/15/17 5:15	1.7	177	21.9	30.7	FALSE
8/15/17 5:30	2.3	178	21.9	30.7	FALSE
8/15/17 5:45	2	168	21.9	30.7	FALSE
8/15/17 6:00	1.1	119	21.9	30.7	FALSE
8/15/17 6:15	1.1	247	21.6	30.7	FALSE
8/15/17 6:30	1.6	172	21.5	30.7	FALSE
8/15/17 6:45	0.7	8	21.4	30.7	1
8/15/17 7:00	1.4	190	21.5	30.7	FALSE
8/15/17 7:15	0.9	135	21.8	30.7	1
8/15/17 7:30	2.2	167	22.3	30.7	FALSE
8/15/17 7:45	2	181	22.7	30.7	FALSE
8/15/17 8:00	1.5	229	23.5	30.7	FALSE
8/15/17 8:15	1.3	264	24.2	30.7	FALSE
8/15/17 8:30	1.9	234	25	30.7	FALSE
8/15/17 8:45	4.1	199	24.5	30.7	FALSE
8/15/17 9:00	5.4	214	24.5	30.7	FALSE
8/15/17 9:15	4.9	205	24.9	30.7	FALSE
8/15/17 9:30	4.9	185	25.4	30.7	FALSE
8/15/17 9:45	5.4	180	26.1	30.7	FALSE
8/15/17 10:00	6.1	190	26.4	30.7	FALSE
8/15/17 10:15	5.3	186	26.6	30.7	FALSE



8/15/17 10:30	5	205	26.9	30.7	FALSE
8/15/17 10:45	4.4	197	27.3	30.7	FALSE
8/15/17 11:00	4.2	218	27.9	30.7	FALSE
8/15/17 11:15	4.5	217	27.8	30.7	FALSE
8/15/17 11:30	5.3	191	27.9	30.7	FALSE
8/15/17 11:45	5.3	192	28.6	30.7	FALSE
8/15/17 12:00	3.2	123	29.4	30.7	FALSE
8/15/17 12:15	5.1	158	29.8	30.7	FALSE
8/15/17 12:30	4.4	217	29.6	30.7	FALSE
8/15/17 12:45	5.6	197	30.1	30.7	FALSE
8/15/17 13:00	4.6	244	29.9	30.7	FALSE
8/15/17 13:15	5.5	169	30.5	30.7	FALSE
8/15/17 13:30	6	186	30.6	30.7	FALSE
8/15/17 13:45	5.4	184	30.7	30.7	FALSE
8/15/17 14:00	4.7	182	31.1	30.7	FALSE
8/15/17 14:15	4	144	31	30.7	FALSE
8/15/17 14:30	4.4	44	31.7	30.7	FALSE
8/15/17 14:45	3.8	269	32.6	30.7	FALSE
8/15/17 15:00	4.7	120	32.5	30.7	FALSE
8/15/17 15:15	4.9	106	32.6	30.7	FALSE
8/15/17 15:30	3.2	27	32.3	30.7	FALSE
8/15/17 15:45	5.2	115	32.7	30.7	FALSE
8/15/17 16:00	4	113	32.4	30.7	FALSE
8/15/17 16:15	4.5	83	32.5	30.7	FALSE
8/15/17 16:30	4.1	14	32.2	30.7	FALSE
8/15/17 16:45	5	22	31.9	30.7	FALSE
8/15/17 17:00	6.7	10	31.6	30.7	FALSE
8/15/17 17:15	6	339	32.2	30.7	FALSE
8/15/17 17:30	8.6	346	31.5	30.7	FALSE
8/15/17 17:45	7.9	353	31.1	30.7	FALSE
8/15/17 18:00	6.8	27	31.5	30.7	FALSE
8/15/17 18:15	6.9	26	31.7	30.7	FALSE
8/15/17 18:30	7.8	46	31.2	30.7	FALSE
8/15/17 18:45	7.7	44	31.1	30.7	FALSE
8/15/17 19:00	7.3	60	30.9	30.7	FALSE
8/15/17 19:15	7.2	65	30.8	30.7	FALSE
8/15/17 19:30	6.2	72	30.5	30.7	FALSE
8/15/17 19:45	5.7	61	30.1	30.7	FALSE
8/15/17 20:00	4.9	62	29.8	30.7	FALSE
8/15/17 20:15	4.3	77	29.4	30.7	FALSE
8/15/17 20:30	4.5	77	29	30.7	FALSE
8/15/17 20:45	5	82	28.7	30.7	FALSE
8/15/17 21:00	3.8	81	28.5	30.7	FALSE
8/15/17 21:15	3.5	84	28.4	30.7	FALSE
8/15/17 21:30	3.4	82	28.3	30.7	FALSE
8/15/17 21:45	3.2	89	28.2	30.7	FALSE
8/15/17 22:00	2.8	86	28	30.7	FALSE

8/15/17 22:15	3.6	125	27.9	30.7	FALSE
8/15/17 22:30	4.8	134	27.9	30.7	FALSE
8/15/17 22:45	5	138	27.6	30.7	FALSE
8/15/17 23:00	6.6	140	27.5	30.7	FALSE
8/15/17 23:15	5.4	137	27.3	30.7	FALSE
8/15/17 23:30	6.6	142	27.2	30.7	FALSE
8/15/17 23:45	7.6	148	27	30.7	FALSE
8/16/17 0:00	7.1	152	26.7	30.7	FALSE
8/16/17 0:15	6.3	150	26.5	30.7	FALSE
8/16/17 0:30	6.4	147	26.4	30.7	FALSE
8/16/17 0:45	4.8	144	26.2	30.7	FALSE
8/16/17 1:00	3.7	144	26	30.7	FALSE
8/16/17 1:15	3	128	25.8	30.7	FALSE
8/16/17 1:30	3.3	125	25.7	30.7	FALSE
8/16/17 1:45	4.3	134	25.6	30.7	FALSE
8/16/17 2:00	4.3	133	25.5	30.7	FALSE
8/16/17 2:15	3.1	129	25.3	30.7	FALSE
8/16/17 2:30	3.3	131	25.2	30.7	FALSE
8/16/17 2:45	2.7	136	25.1	30.7	FALSE
8/16/17 3:00	3.4	138	25.1	30.7	FALSE
8/16/17 3:15	3.6	138	25	30.7	FALSE
8/16/17 3:30	3.1	134	25	30.7	FALSE
8/16/17 3:45	2.9	124	25	30.7	FALSE
8/16/17 4:00	2.7	112	25	30.7	FALSE
8/16/17 4:15	3.5	106	25	30.7	FALSE
8/16/17 4:30	2.8	107	24.7	30.7	FALSE
8/16/17 4:45	3	112	24.7	30.7	FALSE
8/16/17 5:00	2.4	179	24.5	30.7	FALSE
8/16/17 5:15	1.9	127	24.3	30.7	FALSE
8/16/17 5:30	2.1	97	24.2	30.7	FALSE
8/16/17 5:45	2.3	32	24.2	30.7	FALSE
8/16/17 6:00	2	28	24.1	30.7	FALSE
8/16/17 6:15	2	33	23.9	30.7	FALSE
8/16/17 6:30	4.1	340	23.7	30.7	FALSE
8/16/17 6:45	2.8	47	23.5	30.7	FALSE
8/16/17 7:00	3	91	23.9	30.7	FALSE
8/16/17 7:15	1.9	113	24.2	30.7	FALSE
8/16/17 7:30	3.8	129	24.2	30.7	FALSE
8/16/17 7:45	2.9	116	24.2	30.7	FALSE
8/16/17 8:00	4	111	24.3	30.7	FALSE
8/16/17 8:15	4.6	98	24.4	30.7	FALSE
8/16/17 8:30	4.1	115	24.6	30.8	FALSE
8/16/17 8:45	5.1	126	24.8	30.8	FALSE
8/16/17 9:00	4.4	133	25.1	30.8	FALSE
8/16/17 9:15	5.8	130	25.4	30.8	FALSE
8/16/17 9:30	6.5	132	25.4	30.8	FALSE
8/16/17 9:45	5.6	133	25.8	30.8	FALSE

8/16/17 10:00	6.4	128	25.9	30.8	FALSE
8/16/17 10:15	5.6	124	26.2	30.8	FALSE
8/16/17 10:30	5.4	138	26.9	30.8	FALSE
8/16/17 10:45	6.7	152	27.6	30.8	FALSE
8/16/17 11:00	7.4	141	27.9	30.8	FALSE
8/16/17 11:15	7.5	153	28	30.8	FALSE
8/16/17 11:30	8.1	150	28.5	30.8	FALSE
8/16/17 11:45	6.3	171	29	30.8	FALSE
8/16/17 12:00	5.8	155	29.2	30.7	FALSE
8/16/17 12:15	6.9	172	29.7	30.8	FALSE
8/16/17 12:30	6.1	169	30.1	30.7	FALSE
8/16/17 12:45	7.6	194	29.8	30.7	FALSE
8/16/17 13:00	6.3	182	29.5	30.7	FALSE
8/16/17 13:15	5	184	29.8	30.7	FALSE
8/16/17 13:30	5.1	165	30.7	30.7	FALSE
8/16/17 13:45	4.3	157	31	30.7	FALSE
8/16/17 14:00	4.3	168	31.6	30.7	FALSE
8/16/17 14:15	4.8	134	31.3	30.7	FALSE
8/16/17 14:30	5.3	107	31.3	30.7	FALSE
8/16/17 14:45	5.6	115	31.4	30.7	FALSE
8/16/17 15:00	5.1	122	32.3	30.7	FALSE
8/16/17 15:15	5	101	33	30.7	FALSE
8/16/17 15:30	4.8	141	33.4	30.7	FALSE
8/16/17 15:45	5.9	133	32	30.7	FALSE
8/16/17 16:00	13.5	155	29	30.7	FALSE
8/16/17 16:15	9.1	133	23.4	30.7	FALSE
8/16/17 16:30	7.3	125	24.5	30.7	FALSE
8/16/17 16:45	3.4	115	25.3	30.7	FALSE
8/16/17 17:00	9.4	187	25.2	30.7	FALSE
8/16/17 17:15	21.2	214	23.3	30.8	FALSE
8/16/17 17:30	8.7	187	22.8	30.8	FALSE
8/16/17 17:45	5.4	139	23	30.7	FALSE
8/16/17 18:00	7	111	23	30.7	FALSE
8/16/17 18:15	6.4	115	22.9	30.7	FALSE
8/16/17 18:30	6.1	124	22.6	30.7	FALSE
8/16/17 18:45	7.4	149	22.8	30.7	FALSE
8/16/17 19:00	9.5	156	23.3	30.7	FALSE
8/16/17 19:15	8.4	171	23.3	30.7	FALSE
8/16/17 19:30	10.5	171	23.1	30.7	FALSE
8/16/17 19:45	10.2	163	22.8	30.7	FALSE
8/16/17 20:00	7.6	164	22.7	30.7	FALSE
8/16/17 20:15	7.8	188	22.6	30.7	FALSE
8/16/17 20:30	5.7	175	22.4	30.7	FALSE
8/16/17 20:45	5.8	185	22.3	30.7	FALSE
8/16/17 21:00	4.1	167	22.2	30.7	FALSE
8/16/17 21:15	5.5	175	22.2	30.7	FALSE
8/16/17 21:30	4.9	158	22.1	30.7	FALSE

8/16/17 21:45	4.5	161	22	30.7	FALSE
8/16/17 22:00	5.2	174	22.1	30.7	FALSE
8/16/17 22:15	5.3	178	22.1	30.7	FALSE
8/16/17 22:30	4.7	184	22.2	30.7	FALSE
8/16/17 22:45	3.1	150	22.3	30.7	FALSE
8/16/17 23:00	1	54	22.4	30.7	1
8/16/17 23:15	2.4	131	22.4	30.7	FALSE
8/16/17 23:30	5.8	178	22.5	30.7	FALSE
8/16/17 23:45	6.8	172	22.5	30.7	FALSE
8/17/17 0:00	10.2	198	22.2	30.7	FALSE
8/17/17 0:15	12	187	22	30.7	FALSE
8/17/17 0:30	9.7	194	21.7	30.7	FALSE
8/17/17 0:45	8.8	182	21.4	30.7	FALSE
8/17/17 1:00	7.2	172	21.3	30.7	FALSE
8/17/17 1:15	6.8	151	21.5	30.7	FALSE
8/17/17 1:30	5.6	142	21.5	30.7	FALSE
8/17/17 1:45	6.4	165	21.5	30.7	FALSE
8/17/17 2:00	5.1	171	21.4	30.7	FALSE
8/17/17 2:15	7	158	21.2	30.7	FALSE
8/17/17 2:30	7.4	168	21.2	30.7	FALSE
8/17/17 2:45	9	160	21.1	30.7	FALSE
8/17/17 3:00	8.3	161	21.1	30.7	FALSE
8/17/17 3:15	7.3	163	21.2	30.7	FALSE
8/17/17 3:30	8	157	21	30.7	FALSE
8/17/17 3:45	6.7	137	20.9	30.7	FALSE
8/17/17 4:00	5.6	143	21	30.7	FALSE
8/17/17 4:15	5.8	155	21	30.7	FALSE
8/17/17 4:30	9.6	229	21.1	30.7	FALSE
8/17/17 4:45	9.5	238	20.8	30.7	FALSE
8/17/17 5:00	7.6	201	20.9	30.7	FALSE
8/17/17 5:15	6.9	206	20.8	30.7	FALSE
8/17/17 5:30	6.4	213	20.6	30.7	FALSE
8/17/17 5:45	7.2	214	20.6	30.7	FALSE
8/17/17 6:00	6.8	199	20.5	30.7	FALSE
8/17/17 6:15	6.1	203	20.3	30.7	FALSE
8/17/17 6:30	7.2	203	20.4	30.7	FALSE
8/17/17 6:45	6.5	192	20.3	30.7	FALSE
8/17/17 7:00	7.4	191	20.3	30.7	FALSE
8/17/17 7:15	6.9	185	20.4	30.7	FALSE
8/17/17 7:30	7.3	181	20.7	30.7	FALSE
8/17/17 7:45	7.8	183	21.1	30.7	FALSE
8/17/17 8:00	8.3	184	21.4	30.7	FALSE
8/17/17 8:15	10.6	197	21.7	30.7	FALSE
8/17/17 8:30	10.2	196	22	30.7	FALSE
8/17/17 8:45	11.2	193	22.2	30.7	FALSE
8/17/17 9:00	10.5	193	22.7	30.7	FALSE
8/17/17 9:15	10.2	192	22.8	30.7	FALSE

8/17/17 9:30	9.4	212	22.8	30.7	FALSE
8/17/17 9:45	10.5	211	23.4	30.7	FALSE
8/17/17 10:00	11.1	215	23.8	30.7	FALSE
8/17/17 10:15	11.2	213	24.2	30.7	FALSE
8/17/17 10:30	10.6	210	24.5	30.7	FALSE
8/17/17 10:45	10.6	211	24.9	30.7	FALSE
8/17/17 11:00	11.2	229	25.1	30.7	FALSE
8/17/17 11:15	10.3	222	25.3	30.7	FALSE
8/17/17 11:30	10.7	214	25.5	30.7	FALSE
8/17/17 11:45	9.8	202	26	30.7	FALSE
8/17/17 12:00	9.2	193	26.3	30.7	FALSE
8/17/17 12:15	8.3	191	27	30.7	FALSE
8/17/17 12:30	8	192	27.3	30.7	FALSE
8/17/17 12:45	9.6	197	27.4	30.7	FALSE
8/17/17 13:00	9.9	203	27.7	30.7	FALSE
8/17/17 13:15	9.3	214	28	30.7	FALSE
8/17/17 13:30	9.7	213	28	30.7	FALSE
8/17/17 13:45	10.7	207	28.2	30.7	FALSE
8/17/17 14:00	11.7	240	28.5	30.7	FALSE
8/17/17 14:15	12.3	223	29.1	30.7	FALSE
8/17/17 14:30	12.5	230	29.2	30.7	FALSE
8/17/17 14:45	14.2	216	29.3	30.7	FALSE
8/17/17 15:00	12	226	29.1	30.7	FALSE
8/17/17 15:15	13.5	232	29.3	30.7	FALSE
8/17/17 15:30	12.4	237	29.3	30.7	FALSE
8/17/17 15:45	11.2	231	29.3	30.7	FALSE
8/17/17 16:00	12.4	229	29.3	30.7	FALSE
8/17/17 16:15	13.6	218	29.3	30.7	FALSE
8/17/17 16:30	11.2	224	29	30.7	FALSE
8/17/17 16:45	12.2	209	28.8	30.7	FALSE
8/17/17 17:00	12	210	28.7	30.7	FALSE
8/17/17 17:15	12.5	210	28.5	30.7	FALSE
8/17/17 17:30	12.3	221	28.5	30.7	FALSE
8/17/17 17:45	12.9	217	28.4	30.7	FALSE
8/17/17 18:00	12.5	228	28.8	30.7	FALSE
8/17/17 18:15	13	229	29	30.7	FALSE
8/17/17 18:30	13.2	227	28.8	30.7	FALSE
8/17/17 18:45	12.1	237	28.7	30.7	FALSE
8/17/17 19:00	12	229	28.4	30.7	FALSE
8/17/17 19:15	10.7	219	28.1	30.7	FALSE
8/17/17 19:30	11.3	221	27.8	30.7	FALSE
8/17/17 19:45	10.9	225	27.7	30.7	FALSE
8/17/17 20:00	10.4	223	27.4	30.7	FALSE
8/17/17 20:15	6.8	219	27.1	30.7	FALSE
8/17/17 20:30	7.2	217	26.7	30.7	FALSE
8/17/17 20:45	6.7	224	26.4	30.7	FALSE
8/17/17 21:00	5.2	219	26.1	30.7	FALSE

8/17/17 21:15	4.7	204	25.8	30.7	FALSE
8/17/17 21:30	3.1	186	25.4	30.7	FALSE
8/17/17 21:45	3.2	193	24.8	30.7	FALSE
8/17/17 22:00	3.8	196	24.5	30.7	FALSE
8/17/17 22:15	4.6	201	24.3	30.7	FALSE
8/17/17 22:30	4.6	194	24.2	30.7	FALSE
8/17/17 22:45	4.6	193	24	30.7	FALSE
8/17/17 23:00	3.7	189	23.6	30.7	FALSE
8/17/17 23:15	4.6	207	23.5	30.7	FALSE
8/17/17 23:30	5.4	221	23.9	30.7	FALSE
8/17/17 23:45	6.7	232	24	30.7	FALSE
8/18/17 0:00	6	224	23.9	30.7	FALSE
8/18/17 0:15	5.2	201	23.4	30.7	FALSE
8/18/17 0:30	3.6	183	22.7	30.7	FALSE
8/18/17 0:45	4	185	22.3	30.7	FALSE
8/18/17 1:00	3.8	189	22.1	30.7	FALSE
8/18/17 1:15	3.9	188	21.9	30.7	FALSE
8/18/17 1:30	3.7	182	21.7	30.7	FALSE
8/18/17 1:45	3.6	184	21.6	30.7	FALSE
8/18/17 2:00	3.5	186	21.5	30.7	FALSE
8/18/17 2:15	4.6	187	21.5	30.7	FALSE
8/18/17 2:30	3.3	179	21.3	30.7	FALSE
8/18/17 2:45	3.1	180	21.1	30.7	FALSE
8/18/17 3:00	3	178	21	30.7	FALSE
8/18/17 3:15	2.3	175	20.8	30.7	FALSE
8/18/17 3:30	1.7	163	20.6	30.7	FALSE
8/18/17 3:45	1.1	162	20.3	30.7	FALSE
8/18/17 4:00	2.3	226	20.8	30.7	FALSE
8/18/17 4:15	1	160	20.4	30.7	1
8/18/17 4:30	3.4	214	20.6	30.7	FALSE
8/18/17 4:45	4.4	207	20.7	30.7	FALSE
8/18/17 5:00	4.7	205	20.4	30.7	FALSE
8/18/17 5:15	4	193	20.3	30.7	FALSE
8/18/17 5:30	3.6	188	20.1	30.7	FALSE
8/18/17 5:45	3.4	185	19.9	30.7	FALSE
8/18/17 6:00	4.2	196	19.9	30.7	FALSE
8/18/17 6:15	4.1	193	19.6	30.7	FALSE
8/18/17 6:30	4.1	191	19.5	30.7	FALSE
8/18/17 6:45	2.6	179	19.3	30.7	FALSE
8/18/17 7:00	4.3	186	19.2	30.8	FALSE
8/18/17 7:15	6.6	198	19.3	30.8	FALSE
8/18/17 7:30	5.8	197	19.6	30.8	FALSE
8/18/17 7:45	5.9	199	19.8	30.8	FALSE
8/18/17 8:00	4.2	212	20.3	30.8	FALSE
8/18/17 8:15	2.7	212	21.3	30.8	FALSE
8/18/17 8:30	4.8	222	22	30.8	FALSE
8/18/17 8:45	5.7	245	22.4	30.8	FALSE

8/18/17 9:00	6.4	258	22.7	30.8	FALSE
8/18/17 9:15	6.8	275	23.2	30.8	FALSE
8/18/17 9:30	6.3	259	23.6	30.8	FALSE
8/18/17 9:45	6.7	256	23.9	30.8	FALSE
8/18/17 10:00	8.7	262	24.3	30.8	FALSE
8/18/17 10:15	7.6	299	24.6	30.8	FALSE
8/18/17 10:30	7.4	291	24.6	30.8	FALSE
8/18/17 10:45	6.2	260	25.1	30.8	FALSE
8/18/17 11:00	4.3	277	25.7	30.8	FALSE
8/18/17 11:15	4.7	265	26.4	30.8	FALSE
8/18/17 11:30	6.6	275	26.7	30.8	FALSE
8/18/17 11:45	5.9	284	27	30.8	FALSE
8/18/17 12:00	5.4	244	27.8	30.8	FALSE
8/18/17 12:15	6.7	236	27.7	30.8	FALSE
8/18/17 12:30	4.7	291	28.3	30.8	FALSE
8/18/17 12:45	7.4	309	28.7	30.8	FALSE
8/18/17 13:00	5	284	29.1	30.8	FALSE
8/18/17 13:15	4.7	240	29.6	30.8	FALSE
8/18/17 13:30	3.9	211	30.3	30.8	FALSE
8/18/17 13:45	5.1	188	30.1	30.8	FALSE
8/18/17 14:00	4.2	296	30.8	30.8	FALSE
8/18/17 14:15	4.9	218	30.9	30.8	FALSE
8/18/17 14:30	5.2	191	30.8	30.8	FALSE
8/18/17 14:45	5.5	173	30.8	30.8	FALSE
8/18/17 15:00	4	169	31.1	30.8	FALSE
8/18/17 15:15	5.1	178	31.2	30.7	FALSE
8/18/17 15:30	5.5	184	31.2	30.7	FALSE
8/18/17 15:45	6	180	31.3	30.7	FALSE
8/18/17 16:00	4.9	173	31.8	30.7	FALSE
8/18/17 16:15	5.9	166	31.6	30.7	FALSE
8/18/17 16:30	7.6	193	31	30.7	FALSE
8/18/17 16:45	6.8	185	30.9	30.7	FALSE
8/18/17 17:00	9.1	197	30.6	30.7	FALSE
8/18/17 17:15	8.6	196	30.1	30.7	FALSE
8/18/17 17:30	7.2	192	30	30.7	FALSE
8/18/17 17:45	5.4	182	29.9	30.7	FALSE
8/18/17 18:00	5.2	185	29.9	30.7	FALSE
8/18/17 18:15	8	192	29.5	30.7	FALSE
8/18/17 18:30	7.2	191	29.1	30.7	FALSE
8/18/17 18:45	10	202	28.5	30.7	FALSE
8/18/17 19:00	8.8	203	28.1	30.7	FALSE
8/18/17 19:15	8.1	203	27.8	30.7	FALSE
8/18/17 19:30	6.7	200	27.7	30.7	FALSE
8/18/17 19:45	7.4	195	27.6	30.7	FALSE
8/18/17 20:00	5.3	187	27.3	30.7	FALSE
8/18/17 20:15	5.3	192	26.8	30.7	FALSE
8/18/17 20:30	7	194	26.6	30.7	FALSE

8/18/17 20:45	5.9	205	26.3	30.7	FALSE
8/18/17 21:00	4.6	211	25.8	30.7	FALSE
8/18/17 21:15	4.1	191	25.4	30.8	FALSE
8/18/17 21:30	3.4	183	25.2	30.8	FALSE
8/18/17 21:45	3.8	190	25.1	30.8	FALSE
8/18/17 22:00	3.6	182	24.9	30.8	FALSE
8/18/17 22:15	4.1	176	24.9	30.8	FALSE
8/18/17 22:30	5.2	179	25	30.8	FALSE
8/18/17 22:45	6.1	189	24.9	30.7	FALSE
8/18/17 23:00	6.4	183	24.8	30.7	FALSE
8/18/17 23:15	5.8	176	24.7	30.7	FALSE
8/18/17 23:30	7.4	151	25.2	30.7	FALSE
8/18/17 23:45	7.7	150	25.6	30.7	FALSE
8/19/17 0:00	6.4	166	25.8	30.7	FALSE
8/19/17 0:15	8.5	204	26	30.7	FALSE
8/19/17 0:30	5.3	243	25.1	30.7	FALSE
8/19/17 0:45	4.9	284	24.9	30.8	FALSE
8/19/17 1:00	4.4	255	24.8	30.8	FALSE
8/19/17 1:15	3.8	257	24.7	30.7	FALSE
8/19/17 1:30	2.5	321	24.4	30.7	FALSE
8/19/17 1:45	2	141	24.2	30.7	FALSE
8/19/17 2:00	2.1	194	23.8	30.7	FALSE
8/19/17 2:15	2.6	214	23.8	30.7	FALSE
8/19/17 2:30	1.4	156	23.8	30.7	FALSE
8/19/17 2:45	2.4	190	23.5	30.7	FALSE
8/19/17 3:00	2.6	187	23.5	30.7	FALSE
8/19/17 3:15	3.3	177	23.3	30.7	FALSE
8/19/17 3:30	4.2	181	23.2	30.7	FALSE
8/19/17 3:45	3.5	179	23	30.7	FALSE
8/19/17 4:00	2.5	197	22.8	30.7	FALSE
8/19/17 4:15	1.8	179	22.5	30.7	FALSE
8/19/17 4:30	2.3	177	22.6	30.7	FALSE
8/19/17 4:45	1.1	90	22.5	30.7	FALSE
8/19/17 5:00	1.2	322	22	30.7	FALSE
8/19/17 5:15	0.7	91	21.7	30.7	1
8/19/17 5:30	0.7	45	21.5	30.7	1
8/19/17 5:45	1.2	83	21.4	30.7	FALSE
8/19/17 6:00	1.1	139	21.6	30.7	FALSE
8/19/17 6:15	0.7	37	21.4	30.7	1
8/19/17 6:30	2.8	156	21.4	30.7	FALSE
8/19/17 6:45	1.5	159	21.7	30.7	FALSE
8/19/17 7:00	2.3	157	21.5	30.8	FALSE
8/19/17 7:15	2.6	168	22	30.8	FALSE
8/19/17 7:30	2.7	238	22.4	30.8	FALSE
8/19/17 7:45	4	209	22.8	30.8	FALSE
8/19/17 8:00	3.4	228	23.3	30.8	FALSE
8/19/17 8:15	3.1	236	23.9	30.8	FALSE



8/19/17 8:30	4.4	223	24	30.8	FALSE
8/19/17 8:45	4.4	215	24.3	30.8	FALSE
8/19/17 9:00	5.5	211	24.5	30.8	FALSE
8/19/17 9:15	5.7	217	25	30.8	FALSE
8/19/17 9:30	6	214	25.2	30.8	FALSE
8/19/17 9:45	5.1	244	25.5	30.8	FALSE
8/19/17 10:00	4.4	285	26.4	30.8	FALSE
8/19/17 10:15	5.1	282	26.6	30.8	FALSE
8/19/17 10:30	5.1	307	26.7	30.8	FALSE
8/19/17 10:45	4.5	296	27	30.8	FALSE
8/19/17 11:00	3.1	277	27.8	30.8	FALSE
8/19/17 11:15	3.6	286	28	30.8	FALSE
8/19/17 11:30	3.8	217	28.5	30.8	FALSE
8/19/17 11:45	2.9	278	28.9	30.8	FALSE
8/19/17 12:00	3.8	309	29.4	30.8	FALSE
8/19/17 12:15	4.2	345	29.3	30.8	FALSE
8/19/17 12:30	4.1	186	29.7	30.8	FALSE
8/19/17 12:45	3.6	207	30	30.8	FALSE
8/19/17 13:00	6.4	197	29.7	30.8	FALSE
8/19/17 13:15	6.1	179	29.5	30.8	FALSE
8/19/17 13:30	6.2	163	30.1	30.8	FALSE
8/19/17 13:45	5.8	197	30.2	30.8	FALSE
8/19/17 14:00	4.9	182	30.7	30.8	FALSE
8/19/17 14:15	5.8	216	30.8	30.8	FALSE
8/19/17 14:30	4.6	164	31.2	30.8	FALSE
8/19/17 14:45	6	220	31.9	30.7	FALSE
8/19/17 15:00	5.3	260	32.2	30.7	FALSE
8/19/17 15:15	3.2	146	32.9	30.7	FALSE
8/19/17 15:30	5.3	78	32.3	30.7	FALSE
8/19/17 15:45	4.5	29	32.2	30.7	FALSE
8/19/17 16:00	6	11	32.5	30.7	FALSE
8/19/17 16:15	5.4	344	31.8	30.7	FALSE
8/19/17 16:30	4.9	351	32.7	30.7	FALSE
8/19/17 16:45	4.3	359	33.1	30.7	FALSE
8/19/17 17:00	4.2	50	33.1	30.7	FALSE
8/19/17 17:15	3.7	354	33.2	30.7	FALSE
8/19/17 17:30	4.7	336	32.8	30.7	FALSE
8/19/17 17:45	4.4	10	32.8	30.7	FALSE
8/19/17 18:00	3.7	8	33	30.7	FALSE
8/19/17 18:15	4.1	12	32.3	30.7	FALSE
8/19/17 18:30	3.4	30	32.6	30.7	FALSE
8/19/17 18:45	4.6	360	32.4	30.7	FALSE
8/19/17 19:00	2.6	48	32.5	30.7	FALSE
8/19/17 19:15	2.3	22	32.3	30.7	FALSE
8/19/17 19:30	2.3	296	32.4	30.7	FALSE
8/19/17 19:45	1.5	35	31.4	30.7	FALSE
8/19/17 20:00	0.9	57	30.3	30.7	1

8/19/17 20:15	1.6	11	29.6	30.7	FALSE
8/19/17 20:30	1.5	43	28.9	30.7	FALSE
8/19/17 20:45	2.1	60	28.3	30.7	FALSE
8/19/17 21:00	2.5	95	28.7	30.7	FALSE
8/19/17 21:15	1.5	53	28.4	30.7	FALSE
8/19/17 21:30	2.5	50	27.8	30.7	FALSE
8/19/17 21:45	1.1	70	27.5	30.8	FALSE
8/19/17 22:00	1.5	107	27.5	30.8	FALSE
8/19/17 22:15	1.8	76	27.5	30.8	FALSE
8/19/17 22:30	1.8	113	27.3	30.8	FALSE
8/19/17 22:45	2.1	96	27.6	30.8	FALSE
8/19/17 23:00	2.3	99	27.4	30.8	FALSE
8/19/17 23:15	2.9	108	27.5	30.8	FALSE
8/19/17 23:30	2.2	115	27.6	30.8	FALSE
8/19/17 23:45	1.9	159	27.5	30.8	FALSE
8/20/17 0:00	1.9	166	27	30.8	FALSE
8/20/17 0:15	2	180	26.7	30.8	FALSE
8/20/17 0:30	1.8	181	26.3	30.8	FALSE
8/20/17 0:45	0.9	104	25.8	30.8	1
8/20/17 1:00	1	218	25.3	30.8	1
8/20/17 1:15	0.8	154	25.1	30.8	1
8/20/17 1:30	1.1	83	25.2	30.8	FALSE
8/20/17 1:45	0.6	210	24.8	30.8	1
8/20/17 2:00	0.6	5	24.5	30.8	1
8/20/17 2:15	0.7	321	24.3	30.8	1
8/20/17 2:30	0.9	51	24.5	30.8	1
8/20/17 2:45	0.8	173	24.5	30.8	1
8/20/17 3:00	0.6	17	24.1	30.8	1
8/20/17 3:15	1.2	191	23.8	30.8	FALSE
8/20/17 3:30	2.2	175	23.9	30.8	FALSE
8/20/17 3:45	2.2	180	23.6	30.8	FALSE
8/20/17 4:00	0.9	69	23.4	30.8	1
8/20/17 4:15	1.3	12	23.1	30.8	FALSE
8/20/17 4:30	1	5	22.9	30.8	1
8/20/17 4:45	0.7	36	22.7	30.8	1
8/20/17 5:00	1.2	161	22.5	30.8	FALSE
8/20/17 5:15	1	165	22.9	30.8	1
8/20/17 5:30	0.8	167	22.8	30.8	1
8/20/17 5:45	0.6	113	22.6	30.8	1
8/20/17 6:00	1.3	172	22.6	30.8	FALSE
8/20/17 6:15	0.8	135	22.6	30.8	1
8/20/17 6:30	1	122	22.7	30.8	1
8/20/17 6:45	1.6	133	23.1	30.8	FALSE
8/20/17 7:00	2.4	149	23.2	30.8	FALSE
8/20/17 7:15	1.4	180	23.2	30.8	FALSE
8/20/17 7:30	2.7	157	23.4	30.8	FALSE
8/20/17 7:45	1.7	183	23.7	30.8	FALSE

8/20/17 8:00	3.1	196	24.5	30.8	FALSE
8/20/17 8:15	4.7	194	24.7	30.8	FALSE
8/20/17 8:30	5.9	197	24.9	30.8	FALSE
8/20/17 8:45	5.4	199	25	30.8	FALSE
8/20/17 9:00	5.7	197	25.3	30.8	FALSE
8/20/17 9:15	5.4	194	25.6	30.8	FALSE
8/20/17 9:30	4	180	26.2	30.8	FALSE
8/20/17 9:45	5.9	199	26.5	30.8	FALSE
8/20/17 10:00	5.1	195	26.6	30.8	FALSE
8/20/17 10:15	3.6	196	26.9	30.8	FALSE
8/20/17 10:30	8.1	222	26.9	30.8	FALSE
8/20/17 10:45	8.4	248	27	30.8	FALSE
8/20/17 11:00	7.1	289	27.4	30.8	FALSE
8/20/17 11:15	8.7	325	27.7	30.8	FALSE
8/20/17 11:30	8.3	310	28	30.8	FALSE
8/20/17 11:45	8.7	321	28.6	30.8	FALSE
8/20/17 12:00	8.4	330	28.8	30.8	FALSE
8/20/17 12:15	9	345	28.8	30.8	FALSE
8/20/17 12:30	7.6	338	28.8	30.8	FALSE
8/20/17 12:45	6.1	349	28.9	30.8	FALSE
8/20/17 13:00	5.6	28	29.2	30.8	FALSE
8/20/17 13:15	4.6	25	29.4	30.8	FALSE
8/20/17 13:30	4.5	31	30.2	30.8	FALSE
8/20/17 13:45	5.6	13	30.3	30.8	FALSE
8/20/17 14:00	5.6	36	31.1	30.8	FALSE
8/20/17 14:15	6.7	39	31	30.8	FALSE
8/20/17 14:30	4.5	73	32	30.8	FALSE
8/20/17 14:45	5.7	88	32.6	30.8	FALSE
8/20/17 15:00	5.7	76	32.5	30.8	FALSE
8/20/17 15:15	5.5	93	32.9	30.8	FALSE
8/20/17 15:30	5.1	97	33	30.8	FALSE
8/20/17 15:45	4.3	148	33.8	30.8	FALSE
8/20/17 16:00	5.6	137	33.9	30.8	FALSE
8/20/17 16:15	6.9	163	34	30.8	FALSE
8/20/17 16:30	7	150	33.9	30.8	FALSE
8/20/17 16:45	7.8	176	34	30.8	FALSE
8/20/17 17:00	9.9	167	34	30.8	FALSE
8/20/17 17:15	8.1	167	33.7	30.8	FALSE
8/20/17 17:30	8.5	160	33.7	30.8	FALSE
8/20/17 17:45	8.4	167	33.7	30.8	FALSE
8/20/17 18:00	7.9	161	33.5	30.8	FALSE
8/20/17 18:15	7.5	175	32.7	30.8	FALSE
8/20/17 18:30	6.9	191	32.3	30.8	FALSE
8/20/17 18:45	6	201	32.1	30.8	FALSE
8/20/17 19:00	4.9	200	31.9	30.8	FALSE
8/20/17 19:15	5.1	193	31.5	30.8	FALSE
8/20/17 19:30	5.5	203	31.2	30.8	FALSE

8/20/17 19:45	6.1	198	31	30.8	FALSE
8/20/17 20:00	5.9	193	30.8	30.8	FALSE
8/20/17 20:15	4	181	30.5	30.8	FALSE
8/20/17 20:30	4	134	30.6	30.8	FALSE
8/20/17 20:45	4.9	133	30.8	30.8	FALSE
8/20/17 21:00	3.2	166	30.6	30.8	FALSE
8/20/17 21:15	4.5	195	30.4	30.8	FALSE
8/20/17 21:30	4.5	228	29.9	30.8	FALSE
8/20/17 21:45	5.3	304	28.4	30.8	FALSE
8/20/17 22:00	4.1	308	27.7	30.8	FALSE
8/20/17 22:15	2.1	57	27.4	30.8	FALSE
8/20/17 22:30	1	60	27.1	30.8	1
8/20/17 22:45	2.6	324	26.9	30.8	FALSE
8/20/17 23:00	1.3	88	26.8	30.8	FALSE
8/20/17 23:15	1.1	78	26.9	30.8	FALSE
8/20/17 23:30	0.7	86	26.5	30.8	1
8/20/17 23:45	1.5	35	26.3	30.8	FALSE
8/21/17 0:00	1.2	131	26	30.8	FALSE
8/21/17 0:15	1.9	123	26.3	30.8	FALSE
8/21/17 0:30	2	159	26.4	30.8	FALSE
8/21/17 0:45	2.4	163	26.8	30.8	FALSE
8/21/17 1:00	0.9	160	26.5	30.8	1
8/21/17 1:15	1.9	180	26.3	30.8	FALSE
8/21/17 1:30	2.2	185	26.2	30.8	FALSE
8/21/17 1:45	2.3	180	26	30.8	FALSE
8/21/17 2:00	3.7	163	26.3	30.8	FALSE
8/21/17 2:15	4.7	160	26.4	30.8	FALSE
8/21/17 2:30	5.9	157	26.4	30.8	FALSE
8/21/17 2:45	5.2	156	26.3	30.8	FALSE
8/21/17 3:00	4.4	156	26.2	30.8	FALSE
8/21/17 3:15	4.4	149	26.1	30.8	FALSE
8/21/17 3:30	3.4	142	26.1	30.8	FALSE
8/21/17 3:45	4.7	150	26	30.8	FALSE
8/21/17 4:00	5.3	155	25.9	30.8	FALSE
8/21/17 4:15	5.1	157	25.8	30.8	FALSE
8/21/17 4:30	5	166	26	30.8	FALSE
8/21/17 4:45	5.2	177	26.1	30.8	FALSE
8/21/17 5:00	6	189	25.9	30.8	FALSE
8/21/17 5:15	4.3	179	25.7	30.8	FALSE
8/21/17 5:30	4.1	177	25.6	30.8	FALSE
8/21/17 5:45	3.7	180	25.7	30.8	FALSE
8/21/17 6:00	4.1	185	25.7	30.8	FALSE
8/21/17 6:15	4.2	182	25.6	30.8	FALSE
8/21/17 6:30	4.4	167	25.5	30.8	FALSE
8/21/17 6:45	4.2	173	25.5	30.8	FALSE
8/21/17 7:00	3.7	173	25.6	30.8	FALSE
8/21/17 7:15	4.5	170	25.6	30.8	FALSE

8/21/17 7:30	5.8	174	25.6	30.8	FALSE
8/21/17 7:45	6.2	180	25.7	30.8	FALSE
8/21/17 8:00	6.6	188	25.7	30.8	FALSE
8/21/17 8:15	5.2	182	25.8	30.8	FALSE
8/21/17 8:30	5.4	188	26	30.8	FALSE
8/21/17 8:45	5.9	196	26.4	30.8	FALSE
8/21/17 9:00	7.2	209	26.8	30.8	FALSE
8/21/17 9:15	7.7	203	27	30.8	FALSE
8/21/17 9:30	7.7	214	27.5	30.8	FALSE
8/21/17 9:45	8.2	196	28.2	30.8	FALSE
8/21/17 10:00	7.1	200	28.7	30.8	FALSE
8/21/17 10:15	6.5	200	29.3	30.8	FALSE
8/21/17 10:30	5.2	192	29.9	30.8	FALSE
8/21/17 10:45	5.1	190	30.6	30.8	FALSE
8/21/17 11:00	5.1	205	31	30.8	FALSE
8/21/17 11:15	5.7	202	31.3	30.8	FALSE
8/21/17 11:30	5.9	206	31.6	30.8	FALSE
8/21/17 11:45	4.9	201	32.1	30.8	FALSE
8/21/17 12:00	6.1	193	32.5	30.8	FALSE
8/21/17 12:15	5.7	200	32.6	30.8	FALSE
8/21/17 12:30	5.5	189	33.1	30.8	FALSE
8/21/17 12:45	5	188	33.2	30.8	FALSE
8/21/17 13:00	5.4	203	33.4	30.8	FALSE
8/21/17 13:15	6.4	200	32.9	30.8	FALSE
8/21/17 13:30	5.7	179	32.5	30.8	FALSE
8/21/17 13:45	5.7	185	31.8	30.8	FALSE
8/21/17 14:00	5.9	192	31.6	30.8	FALSE
8/21/17 14:15	5.2	194	32.1	30.8	FALSE
8/21/17 14:30	7.1	222	32.2	30.8	FALSE
8/21/17 14:45	6.6	347	31.4	30.8	FALSE
8/21/17 15:00	7.8	14	31.1	30.8	FALSE
8/21/17 15:15	6.5	19	30.4	30.8	FALSE
8/21/17 15:30	6.9	360	31.1	30.8	FALSE
8/21/17 15:45	9	337	31.4	30.8	FALSE
8/21/17 16:00	9.3	323	29.4	30.8	FALSE
8/21/17 16:15	3.8	15	29.8	30.8	FALSE
8/21/17 16:30	5.2	35	31.1	30.8	FALSE
8/21/17 16:45	7.1	42	31.1	30.8	FALSE
8/21/17 17:00	5.8	35	31.6	30.8	FALSE
8/21/17 17:15	6.2	358	32.1	30.8	FALSE
8/21/17 17:30	5.8	27	32	30.8	FALSE
8/21/17 17:45	5.3	76	32.5	30.8	FALSE
8/21/17 18:00	6.1	77	31.9	30.8	FALSE
8/21/17 18:15	5	46	31.1	30.8	FALSE
8/21/17 18:30	6.4	75	30.8	30.8	FALSE
8/21/17 18:45	6.2	76	30.7	30.8	FALSE
8/21/17 19:00	5.6	79	30.7	30.8	FALSE

8/21/17 19:15	4.6	78	30.4	30.8	FALSE
8/21/17 19:30	3.7	83	30.1	30.8	FALSE
8/21/17 19:45	3.6	107	30.1	30.8	FALSE
8/21/17 20:00	3	91	29.9	30.8	FALSE
8/21/17 20:15	3.1	110	29.8	30.8	FALSE
8/21/17 20:30	2.7	115	29.8	30.8	FALSE
8/21/17 20:45	2.3	109	29.6	30.8	FALSE
8/21/17 21:00	3.5	147	29.5	30.8	FALSE
8/21/17 21:15	3.4	129	29.4	30.8	FALSE
8/21/17 21:30	1.7	108	29.2	30.8	FALSE
8/21/17 21:45	1.6	50	29	30.8	FALSE
8/21/17 22:00	3.8	339	28.2	30.8	FALSE
8/21/17 22:15	5.4	271	26.8	30.8	FALSE
8/21/17 22:30	2.6	159	26.1	30.8	FALSE
8/21/17 22:45	3.8	152	26.5	30.8	FALSE
8/21/17 23:00	4.5	153	27	30.8	FALSE
8/21/17 23:15	6	152	27.3	30.8	FALSE
8/21/17 23:30	6.3	157	27.5	30.8	FALSE
8/21/17 23:45	4	169	27.6	30.8	FALSE
8/22/17 0:00	5.3	162	27.6	30.8	FALSE
8/22/17 0:15	6.2	171	27.8	30.8	FALSE
8/22/17 0:30	6.6	176	28	30.8	FALSE
8/22/17 0:45	8.1	180	28.2	30.8	FALSE
8/22/17 1:00	8.1	184	28.1	30.8	FALSE
8/22/17 1:15	10.4	182	28.2	30.8	FALSE
8/22/17 1:30	10.6	181	28.2	30.8	FALSE
8/22/17 1:45	11.3	183	28.1	30.8	FALSE
8/22/17 2:00	11.3	184	28	30.7	FALSE
8/22/17 2:15	10.6	189	27.9	30.7	FALSE
8/22/17 2:30	10.5	191	27.8	30.7	FALSE
8/22/17 2:45	10.1	186	27.9	30.7	FALSE
8/22/17 3:00	9.5	187	27.9	30.7	FALSE
8/22/17 3:15	9.5	191	27.8	30.7	FALSE
8/22/17 3:30	9	194	27.8	30.7	FALSE
8/22/17 3:45	10.1	194	27.7	30.7	FALSE
8/22/17 4:00	12.7	224	27.4	30.7	FALSE
8/22/17 4:15	14.6	311	25.1	30.8	FALSE
8/22/17 4:30	9.1	320	24.3	30.8	FALSE
8/22/17 4:45	8.6	309	23.6	30.8	FALSE
8/22/17 5:00	5	312	22.6	30.8	FALSE
8/22/17 5:15	4	321	21.8	30.8	FALSE
8/22/17 5:30	3.3	344	22	30.8	FALSE
8/22/17 5:45	5.3	349	22	30.8	FALSE
8/22/17 6:00	3.2	31	21.8	30.8	FALSE
8/22/17 6:15	4.1	357	21.6	30.8	FALSE
8/22/17 6:30	3.8	21	21.4	30.8	FALSE
8/22/17 6:45	3.3	43	21.1	30.8	FALSE

8/22/17 7:00	2.8	62	21	30.8	FALSE
8/22/17 7:15	2.2	91	21.1	30.8	FALSE
8/22/17 7:30	2.3	147	21.2	30.8	FALSE
8/22/17 7:45	4.3	141	21.4	30.8	FALSE
8/22/17 8:00	3.9	143	21.5	30.8	FALSE
8/22/17 8:15	5.3	149	21.6	30.8	FALSE
8/22/17 8:30	5.8	202	21.7	30.8	FALSE
8/22/17 8:45	4.7	210	21.8	30.8	FALSE
8/22/17 9:00	3.7	172	21.8	30.8	FALSE
8/22/17 9:15	2.5	187	21.9	30.8	FALSE
8/22/17 9:30	2.5	309	22	30.8	FALSE
8/22/17 9:45	3.1	271	22.1	30.8	FALSE
8/22/17 10:00	2.9	244	22.2	30.8	FALSE
8/22/17 10:15	2.4	204	22.3	30.8	FALSE
8/22/17 10:30	3.5	271	22.6	30.8	FALSE
8/22/17 10:45	4.9	266	22.7	30.8	FALSE
8/22/17 11:00	5.3	289	22.8	30.8	FALSE
8/22/17 11:15	6.8	270	22.9	30.8	FALSE
8/22/17 11:30	7.2	265	23.1	30.8	FALSE
8/22/17 11:45	6.4	292	23.1	30.8	FALSE
8/22/17 12:00	8.7	279	22.4	30.8	FALSE
8/22/17 12:15	8.2	296	21.9	30.8	FALSE
8/22/17 12:30	8.5	306	22.8	30.8	FALSE
8/22/17 12:45	9.5	298	23.1	30.8	FALSE
8/22/17 13:00	8.5	301	23.2	30.8	FALSE
8/22/17 13:15	8.5	283	24	30.8	FALSE
8/22/17 13:30	8.6	282	24.3	30.8	FALSE
8/22/17 13:45	9.6	275	24.5	30.8	FALSE
8/22/17 14:00	10.4	270	24.8	30.8	FALSE
8/22/17 14:15	8.8	286	25.1	30.8	FALSE
8/22/17 14:30	10.4	274	25.6	30.8	FALSE
8/22/17 14:45	10.4	267	25.6	30.8	FALSE
8/22/17 15:00	10.4	271	25.7	30.8	FALSE
8/22/17 15:15	9.9	270	25.9	30.8	FALSE
8/22/17 15:30	8.7	276	26.3	30.8	FALSE
8/22/17 15:45	9.6	289	26.6	30.8	FALSE
8/22/17 16:00	11.9	282	26.9	30.8	FALSE
8/22/17 16:15	12.5	277	27.5	30.8	FALSE
8/22/17 16:30	11	278	27.9	30.8	FALSE
8/22/17 16:45	12	301	27.5	30.8	FALSE
8/22/17 17:00	11	300	27	30.8	FALSE
8/22/17 17:15	10.2	287	27.2	30.8	FALSE
8/22/17 17:30	10	300	27.8	30.8	FALSE
8/22/17 17:45	9.1	314	27.5	30.8	FALSE
8/22/17 18:00	9.2	314	27.6	30.8	FALSE
8/22/17 18:15	8.9	317	27.4	30.8	FALSE
8/22/17 18:30	9	309	27	30.8	FALSE

8/22/17 18:45	8.6	313	26.6	30.8	FALSE
8/22/17 19:00	9.4	323	26.7	30.8	FALSE
8/22/17 19:15	10.1	314	26.4	30.8	FALSE
8/22/17 19:30	7.9	315	26.1	30.8	FALSE
8/22/17 19:45	6.3	315	25.7	30.8	FALSE
8/22/17 20:00	6.6	312	25.2	30.8	FALSE
8/22/17 20:15	6.6	309	24.7	30.8	FALSE
8/22/17 20:30	5.9	311	24.5	30.8	FALSE
8/22/17 20:45	5.6	316	24.2	30.8	FALSE
8/22/17 21:00	5.7	314	23.9	30.8	FALSE
8/22/17 21:15	5.4	318	23.6	30.8	FALSE
8/22/17 21:30	5.3	326	23.3	30.8	FALSE
8/22/17 21:45	4.5	333	22.9	30.8	FALSE
8/22/17 22:00	2.6	4	22.2	30.8	FALSE
8/22/17 22:15	1.8	1	21.5	30.8	FALSE
8/22/17 22:30	1.8	352	21.3	30.8	FALSE
8/22/17 22:45	2.2	350	21.1	30.8	FALSE
8/22/17 23:00	2.9	343	21	30.8	FALSE
8/22/17 23:15	3	346	21	30.8	FALSE
8/22/17 23:30	3.6	354	20.7	30.8	FALSE
8/22/17 23:45	3.4	352	20.3	30.8	FALSE
8/23/17 0:00	2.7	355	19.8	30.8	FALSE
8/23/17 0:15	2.6	5	19.6	30.8	FALSE
8/23/17 0:30	1.5	354	19.3	30.8	FALSE
8/23/17 0:45	1.4	41	19.1	30.8	FALSE
8/23/17 1:00	1.2	19	18.8	30.8	FALSE
8/23/17 1:15	1.6	2	18.7	30.8	FALSE
8/23/17 1:30	2.1	43	18.7	30.8	FALSE
8/23/17 1:45	2.1	20	18.7	30.8	FALSE
8/23/17 2:00	1.4	351	18.3	30.8	FALSE
8/23/17 2:15	2	345	18	30.8	FALSE
8/23/17 2:30	2.3	339	17.9	30.8	FALSE
8/23/17 2:45	1.7	346	17.8	30.8	FALSE
8/23/17 3:00	1.7	38	17.7	30.8	FALSE
8/23/17 3:15	1.3	26	17.5	30.8	FALSE
8/23/17 3:30	0.8	351	16.9	30.8	1
8/23/17 3:45	1.2	15	16.9	30.8	FALSE
8/23/17 4:00	0.8	321	16.8	30.8	1
8/23/17 4:15	2.2	297	16.7	30.8	FALSE
8/23/17 4:30	1	28	16.8	30.8	1
8/23/17 4:45	0.8	188	16.5	30.8	1
8/23/17 5:00	2.5	239	16.7	30.8	FALSE
8/23/17 5:15	1.8	263	16.9	30.8	FALSE
8/23/17 5:30	1.5	240	16.6	30.8	FALSE
8/23/17 5:45	1.2	260	16.1	30.8	FALSE
8/23/17 6:00	1.7	292	16	30.8	FALSE
8/23/17 6:15	2	263	16	30.8	FALSE



8/23/17 6:30	1.5	273	16	30.8	FALSE
8/23/17 6:45	1.3	234	15.9	30.8	FALSE
8/23/17 7:00	1.1	256	15.7	30.8	FALSE
8/23/17 7:15	2.2	257	16.2	30.8	FALSE
8/23/17 7:30	3.3	264	16.8	30.8	FALSE
8/23/17 7:45	2.7	266	17.3	30.8	FALSE
8/23/17 8:00	2.5	263	17.9	30.8	FALSE
8/23/17 8:15	3.6	291	18.1	30.8	FALSE
8/23/17 8:30	3.9	319	18.5	30.8	FALSE
8/23/17 8:45	4.5	325	18.8	30.8	FALSE
8/23/17 9:00	4.3	326	19.2	30.8	FALSE
8/23/17 9:15	4	342	19.9	30.8	FALSE
8/23/17 9:30	4	341	20.5	30.8	FALSE
8/23/17 9:45	3.8	319	20.8	30.8	FALSE
8/23/17 10:00	5.3	347	20.9	30.8	FALSE
8/23/17 10:15	5.5	328	21.4	30.8	FALSE
8/23/17 10:30	5.1	329	21.7	30.8	FALSE
8/23/17 10:45	5.9	339	22.2	30.8	FALSE
8/23/17 11:00	4.9	344	22.6	30.8	FALSE
8/23/17 11:15	6.2	333	22.8	30.8	FALSE
8/23/17 11:30	6.3	331	23.2	30.8	FALSE
8/23/17 11:45	6.6	346	23.5	30.8	FALSE
8/23/17 12:00	6.8	333	23.9	30.8	FALSE
8/23/17 12:15	7	327	24	30.8	FALSE
8/23/17 12:30	7.2	318	24.1	30.8	FALSE
8/23/17 12:45	8	319	24	30.8	FALSE
8/23/17 13:00	9.2	325	24.1	30.8	FALSE
8/23/17 13:15	8	305	24.1	30.8	FALSE
8/23/17 13:30	8.3	320	24.3	30.8	FALSE
8/23/17 13:45	8.9	332	24.2	30.8	FALSE
8/23/17 14:00	6.9	342	24.7	30.8	FALSE
8/23/17 14:15	5.2	311	24.9	30.8	FALSE
8/23/17 14:30	7.6	353	24.9	30.8	FALSE
8/23/17 14:45	7.9	336	24.9	30.8	FALSE
8/23/17 15:00	7.4	300	24.9	30.8	FALSE
8/23/17 15:15	7.1	337	25.3	30.8	FALSE
8/23/17 15:30	5.4	356	25.5	30.8	FALSE
8/23/17 15:45	6.2	341	25.8	30.8	FALSE
8/23/17 16:00	5.5	332	25.6	30.8	FALSE
8/23/17 16:15	5.6	329	25.8	30.8	FALSE
8/23/17 16:30	6.9	326	25.7	30.8	FALSE
8/23/17 16:45	6.7	343	25.7	30.8	FALSE
8/23/17 17:00	6.5	7	25.8	30.8	FALSE
8/23/17 17:15	7.8	329	25.6	30.8	FALSE
8/23/17 17:30	6.4	333	25.6	30.8	FALSE
8/23/17 17:45	7.1	339	25.6	30.8	FALSE
8/23/17 18:00	6.1	12	25.4	30.8	FALSE

8/23/17 18:15	6.1	353	25.6	30.8	FALSE
8/23/17 18:30	7.7	346	25.3	30.8	FALSE
8/23/17 18:45	7.1	339	25.1	30.8	FALSE
8/23/17 19:00	6.8	352	24.9	30.8	FALSE
8/23/17 19:15	6.7	347	24.6	30.8	FALSE
8/23/17 19:30	5.6	347	24.3	30.8	FALSE
8/23/17 19:45	4.2	349	23.9	30.8	FALSE
8/23/17 20:00	3	1	23.4	30.8	FALSE
8/23/17 20:15	2	6	22.7	30.8	FALSE
8/23/17 20:30	1.3	12	21.9	30.8	FALSE
8/23/17 20:45	1.2	22	21.4	30.8	FALSE
8/23/17 21:00	1.7	37	21.1	30.8	FALSE
8/23/17 21:15	1.2	31	20.8	30.8	FALSE
8/23/17 21:30	1.3	356	20.3	30.8	FALSE
8/23/17 21:45	1.1	3	20.1	30.8	FALSE
8/23/17 22:00	0.7	26	19.7	30.8	1
8/23/17 22:15	1.7	8	19.7	30.8	FALSE
8/23/17 22:30	1.6	4	19.8	30.8	FALSE
8/23/17 22:45	1	360	19.3	30.8	1
8/23/17 23:00	0.6	20	18.7	30.8	1
8/23/17 23:15	0.6	44	18.3	30.8	1
8/23/17 23:30	0.7	70	18.2	30.8	1
8/23/17 23:45	1.1	60	18.3	30.8	FALSE
8/24/17 0:00	0.9	73	18.2	30.8	1
8/24/17 0:15	0.7	64	17.9	30.8	1
8/24/17 0:30	0.8	25	17.8	30.8	1
8/24/17 0:45	0.6	95	17.4	30.8	1
8/24/17 1:00	0.6	141	17.4	30.8	1
8/24/17 1:15	0.6	160	17.5	30.8	1
8/24/17 1:30	0.6	148	17.2	30.8	1
8/24/17 1:45	0.7	111	17.3	30.8	1
8/24/17 2:00	0.7	38	16.9	30.8	1
8/24/17 2:15	0.7	37	16.5	30.8	1
8/24/17 2:30	0.6	84	16.2	30.8	1
8/24/17 2:45	0.6	91	16.1	30.8	1
8/24/17 3:00	0.6	124	16.3	30.8	1
8/24/17 3:15	0.8	87	16.1	30.8	1
8/24/17 3:30	0.6	74	15.9	30.8	1
8/24/17 3:45	0.6	179	15.8	30.8	1
8/24/17 4:00	0.6	128	15.7	30.8	1
8/24/17 4:15	0.7	104	15.6	30.8	1
8/24/17 4:30	1.9	36	15.8	30.8	FALSE
8/24/17 4:45	0.7	120	15.5	30.8	1
8/24/17 5:00	1.5	112	15.6	30.8	FALSE
8/24/17 5:15	0.7	168	15.6	30.8	1
8/24/17 5:30	1	162	15.7	30.8	1
8/24/17 5:45	1	292	15.8	30.8	1

8/24/17 6:00	0.6	79	15.6	30.8	1
8/24/17 6:15	1.2	35	15.4	30.8	FALSE
8/24/17 6:30	1	29	15.4	30.8	1
8/24/17 6:45	0.6	59	15.2	30.8	1
8/24/17 7:00	0.6	40	15.2	30.8	1
8/24/17 7:15	0.8	18	15.6	30.8	1
8/24/17 7:30	1.3	39	16.4	30.8	FALSE
8/24/17 7:45	2	14	17.2	30.8	FALSE
8/24/17 8:00	1.8	20	17.9	30.8	FALSE
8/24/17 8:15	2.2	16	18.6	30.8	FALSE
8/24/17 8:30	2.8	5	18.9	30.8	FALSE
8/24/17 8:45	2.7	355	19.3	30.8	FALSE
8/24/17 9:00	2	349	20.4	30.8	FALSE
8/24/17 9:15	2	357	21.3	30.8	FALSE
8/24/17 9:30	2.2	3	22.2	30.8	FALSE
8/24/17 9:45	3.8	19	22.2	30.8	FALSE
8/24/17 10:00	4.3	25	22.1	30.8	FALSE
8/24/17 10:15	3.9	12	22.6	30.8	FALSE
8/24/17 10:30	4.6	3	23.4	30.8	FALSE
8/24/17 10:45	4.8	19	23.6	30.8	FALSE
8/24/17 11:00	4.4	1	24	30.8	FALSE
8/24/17 11:15	4.6	10	24.5	30.8	FALSE
8/24/17 11:30	4.3	354	24.8	30.8	FALSE
8/24/17 11:45	4.5	4	25.1	30.8	FALSE
8/24/17 12:00	6	350	25.2	30.8	FALSE
8/24/17 12:15	5.1	12	25.5	30.8	FALSE
8/24/17 12:30	5.5	8	25.4	30.8	FALSE
8/24/17 12:45	6.5	354	25.6	30.8	FALSE
8/24/17 13:00	7.7	0	25.6	30.8	FALSE
8/24/17 13:15	7.5	353	25.5	30.8	FALSE
8/24/17 13:30	8.5	342	25.5	30.8	FALSE
8/24/17 13:45	5.8	12	25.7	30.8	FALSE
8/24/17 14:00	6.6	327	25.9	30.8	FALSE
8/24/17 14:15	6.2	351	26	30.8	FALSE
8/24/17 14:30	5.4	0	26.3	30.8	FALSE
8/24/17 14:45	5.4	358	26.6	30.8	FALSE
8/24/17 15:00	6.2	342	26.5	30.8	FALSE
8/24/17 15:15	6.2	332	26.8	30.8	FALSE
8/24/17 15:30	6.6	8	27.1	30.8	FALSE
8/24/17 15:45	6.9	348	27	30.8	FALSE
8/24/17 16:00	9.7	336	26.7	30.8	FALSE
8/24/17 16:15	7.3	23	26.7	30.8	FALSE
8/24/17 16:30	8.2	4	26.7	30.8	FALSE
8/24/17 16:45	7.7	1	26.8	30.8	FALSE
8/24/17 17:00	7	349	27	30.8	FALSE
8/24/17 17:15	8	351	26.8	30.8	FALSE
8/24/17 17:30	6.4	6	26.7	30.8	FALSE

8/24/17 17:45	6	17	26.6	30.8	FALSE
8/24/17 18:00	5.1	3	26.6	30.8	FALSE
8/24/17 18:15	6.3	19	26.8	30.8	FALSE
8/24/17 18:30	5.1	39	26.6	30.8	FALSE
8/24/17 18:45	5.8	21	26.2	30.8	FALSE
8/24/17 19:00	5.4	18	25.8	30.8	FALSE
8/24/17 19:15	4.2	16	25.3	30.8	FALSE
8/24/17 19:30	4	18	24.8	30.8	FALSE
8/24/17 19:45	3.4	20	24.5	30.8	FALSE
8/24/17 20:00	3.5	30	24.2	30.8	FALSE
8/24/17 20:15	4.1	34	23.9	30.8	FALSE
8/24/17 20:30	4.4	37	23.7	30.8	FALSE
8/24/17 20:45	3.2	40	23.5	30.8	FALSE
8/24/17 21:00	2.6	57	23.3	30.8	FALSE
8/24/17 21:15	2.4	52	23.1	30.8	FALSE
8/24/17 21:30	3	41	22.9	30.8	FALSE
8/24/17 21:45	3	21	22.7	30.8	FALSE
8/24/17 22:00	2.3	25	22.3	30.8	FALSE
8/24/17 22:15	2.5	18	22	30.8	FALSE
8/24/17 22:30	2.8	42	21.9	30.8	FALSE
8/24/17 22:45	2.5	50	21.8	30.8	FALSE
8/24/17 23:00	2.6	21	21.6	30.8	FALSE
8/24/17 23:15	2.2	21	21.2	30.8	FALSE
8/24/17 23:30	2.7	8	20.9	30.8	FALSE
8/24/17 23:45	1.8	24	20.7	30.8	FALSE
8/25/17 0:00	1.7	16	20.5	30.8	FALSE
8/25/17 0:15	2.3	12	20.4	30.8	FALSE
8/25/17 0:30	2.3	10	20.2	30.8	FALSE
8/25/17 0:45	2.6	9	20.2	30.8	FALSE
8/25/17 1:00	2.8	359	20.1	30.8	FALSE
8/25/17 1:15	3	356	19.8	30.8	FALSE
8/25/17 1:30	2.3	3	19.6	30.8	FALSE
8/25/17 1:45	2.2	20	19.4	30.8	FALSE
8/25/17 2:00	1.2	25	19.3	30.8	FALSE
8/25/17 2:15	1	4	19	30.8	1
8/25/17 2:30	1.5	35	18.9	30.8	FALSE
8/25/17 2:45	1.8	31	18.8	30.8	FALSE
8/25/17 3:00	1.4	26	18.7	30.8	FALSE
8/25/17 3:15	2.3	31	18.8	30.8	FALSE
8/25/17 3:30	2.6	40	19	30.8	FALSE
8/25/17 3:45	2.5	38	19	30.8	FALSE
8/25/17 4:00	1.7	30	18.7	30.8	FALSE
8/25/17 4:15	3.7	32	18.7	30.8	FALSE
8/25/17 4:30	4.4	37	18.6	30.8	FALSE
8/25/17 4:45	3.9	58	18.5	30.8	FALSE
8/25/17 5:00	3.9	69	18.3	30.8	FALSE
8/25/17 5:15	4.8	55	18.2	30.8	FALSE

8/25/17 5:30	4.5	44	18	30.8	FALSE
8/25/17 5:45	3.6	74	17.8	30.8	FALSE
8/25/17 6:00	3.6	71	17.6	30.8	FALSE
8/25/17 6:15	2.6	59	17.5	30.8	FALSE
8/25/17 6:30	3.1	31	17.3	30.8	FALSE
8/25/17 6:45	3	64	17.2	30.8	FALSE
8/25/17 7:00	3.7	62	17.4	30.8	FALSE
8/25/17 7:15	3.9	20	17.3	30.8	FALSE
8/25/17 7:30	3.9	3	17.2	30.8	FALSE
8/25/17 7:45	3.9	345	17.1	30.8	FALSE
8/25/17 8:00	4.3	359	17.7	30.8	FALSE
8/25/17 8:15	4.9	34	18.6	30.8	FALSE
8/25/17 8:30	4.8	38	18.7	30.8	FALSE
8/25/17 8:45	4.9	41	19.4	30.8	FALSE
8/25/17 9:00	5.9	48	20.1	30.8	FALSE
8/25/17 9:15	6.6	48	20.6	30.8	FALSE
8/25/17 9:30	7.6	51	20.7	30.8	FALSE
8/25/17 9:45	5.6	63	21.1	30.8	FALSE
8/25/17 10:00	6.1	42	21.7	30.9	FALSE
8/25/17 10:15	7	41	21.9	30.9	FALSE
8/25/17 10:30	7	62	22	30.9	FALSE
8/25/17 10:45	6.4	69	22.4	30.9	FALSE
8/25/17 11:00	6.7	79	23	30.9	FALSE
8/25/17 11:15	6.7	78	23.5	30.9	FALSE
8/25/17 11:30	7.2	75	23.7	30.9	FALSE
8/25/17 11:45	6.2	105	24.1	30.9	FALSE
8/25/17 12:00	6.7	86	24.7	30.9	FALSE
8/25/17 12:15	6.6	81	24.9	30.9	FALSE
8/25/17 12:30	6	69	25.3	30.9	FALSE
8/25/17 12:45	4.7	69	25.9	30.9	FALSE
8/25/17 13:00	7.5	37	25.4	30.9	FALSE
8/25/17 13:15	6.1	27	25.9	30.9	FALSE
8/25/17 13:30	5.6	52	26	30.9	FALSE
8/25/17 13:45	7.5	42	26	30.9	FALSE
8/25/17 14:00	6.3	42	26.1	30.8	FALSE
8/25/17 14:15	6.2	46	26.3	30.8	FALSE
8/25/17 14:30	5.4	56	26.7	30.8	FALSE
8/25/17 14:45	6.3	51	26.8	30.8	FALSE
8/25/17 15:00	5.6	66	26.8	30.8	FALSE
8/25/17 15:15	6.8	64	26.7	30.8	FALSE
8/25/17 15:30	6	64	26.7	30.8	FALSE
8/25/17 15:45	7.4	50	26.6	30.8	FALSE
8/25/17 16:00	6.2	38	27	30.8	FALSE
8/25/17 16:15	7	41	26.7	30.8	FALSE
8/25/17 16:30	6.6	53	27	30.8	FALSE
8/25/17 16:45	6.3	55	27.1	30.8	FALSE
8/25/17 17:00	7.1	53	26.8	30.8	FALSE

8/25/17 17:15	7.1	56	26.8	30.8	FALSE
8/25/17 17:30	6.6	62	26.8	30.8	FALSE
8/25/17 17:45	7.5	45	26.6	30.8	FALSE
8/25/17 18:00	7.2	33	26.5	30.8	FALSE
8/25/17 18:15	5.6	57	26.6	30.8	FALSE
8/25/17 18:30	4.6	61	26.8	30.8	FALSE
8/25/17 18:45	5.3	49	26.5	30.8	FALSE
8/25/17 19:00	6.1	43	26.1	30.8	FALSE
8/25/17 19:15	5.6	36	25.8	30.8	FALSE
8/25/17 19:30	5	49	25.5	30.8	FALSE
8/25/17 19:45	3.5	51	25.3	30.8	FALSE
8/25/17 20:00	2.7	43	24.7	30.8	FALSE
8/25/17 20:15	3.3	38	24.1	30.8	FALSE
8/25/17 20:30	4.7	21	23.7	30.8	FALSE
8/25/17 20:45	3.7	21	23.1	30.8	FALSE
8/25/17 21:00	3.5	23	22.7	30.8	FALSE
8/25/17 21:15	4.6	33	22.6	30.8	FALSE
8/25/17 21:30	4.9	34	22.5	30.8	FALSE
8/25/17 21:45	2.9	21	22.2	30.8	FALSE
8/25/17 22:00	2	26	21.7	30.8	FALSE
8/25/17 22:15	3.3	24	21.5	30.8	FALSE
8/25/17 22:30	2.5	11	21.2	30.8	FALSE
8/25/17 22:45	2.1	12	20.8	30.8	FALSE
8/25/17 23:00	1.4	31	20.4	30.8	FALSE
8/25/17 23:15	1.2	360	20.2	30.8	FALSE
8/25/17 23:30	1.6	343	19.7	30.8	FALSE
8/25/17 23:45	2.5	349	19.5	30.8	FALSE
8/26/17 0:00	3.6	350	19.6	30.8	FALSE
8/26/17 0:15	3.1	340	19.4	30.8	FALSE
8/26/17 0:30	3.9	346	19.4	30.8	FALSE
8/26/17 0:45	3.1	345	19.3	30.9	FALSE
8/26/17 1:00	1.9	28	19.1	30.9	FALSE
8/26/17 1:15	1.9	25	18.8	30.9	FALSE
8/26/17 1:30	1.1	13	18.4	30.9	FALSE
8/26/17 1:45	0.8	357	18	30.9	1
8/26/17 2:00	0.9	319	17.9	30.9	1
8/26/17 2:15	0.9	321	17.9	30.9	1
8/26/17 2:30	1.7	12	17.7	30.9	FALSE
8/26/17 2:45	1.1	22	17.7	30.8	FALSE
8/26/17 3:00	1.2	356	17.5	30.8	FALSE
8/26/17 3:15	1.6	343	17.5	30.9	FALSE
8/26/17 3:30	1.3	330	17.4	30.9	FALSE
8/26/17 3:45	0.8	5	17.1	30.9	1
8/26/17 4:00	2.1	23	17.1	30.8	FALSE
8/26/17 4:15	3.1	7	17.1	30.9	FALSE
8/26/17 4:30	1.8	21	16.9	30.8	FALSE
8/26/17 4:45	2.1	20	16.6	30.9	FALSE

8/26/17 5:00	1.7	15	16.3	30.9	FALSE
8/26/17 5:15	2	1	16.1	30.9	FALSE
8/26/17 5:30	1.7	344	16	30.9	FALSE
8/26/17 5:45	0.9	1	16	30.9	1
8/26/17 6:00	1.1	359	15.8	30.9	FALSE
8/26/17 6:15	1.5	31	15.7	30.9	FALSE
8/26/17 6:30	0.8	20	15.6	30.9	1
8/26/17 6:45	1.3	349	15.6	30.9	FALSE
8/26/17 7:00	2.3	358	15.8	30.9	FALSE
8/26/17 7:15	2	15	16	30.9	FALSE
8/26/17 7:30	1.6	10	16.5	30.9	FALSE
8/26/17 7:45	1.6	351	17	30.9	FALSE
8/26/17 8:00	2.4	345	17.9	30.9	FALSE
8/26/17 8:15	2.3	345	18.6	30.9	FALSE
8/26/17 8:30	3	23	19.4	30.9	FALSE
8/26/17 8:45	4.2	43	19.8	30.9	FALSE
8/26/17 9:00	4.7	56	20.3	30.9	FALSE
8/26/17 9:15	3.9	74	20.9	30.9	FALSE
8/26/17 9:30	3.4	96	21.8	30.9	FALSE
8/26/17 9:45	3.6	91	22.7	30.9	FALSE
8/26/17 10:00	4	105	23.5	30.9	FALSE
8/26/17 10:15	3.8	111	24.2	30.9	FALSE
8/26/17 10:30	4.6	103	24.5	30.9	FALSE
8/26/17 10:45	4.6	118	24.8	30.9	FALSE
8/26/17 11:00	5.2	128	25.2	30.9	FALSE
8/26/17 11:15	5.4	115	25.7	30.9	FALSE
8/26/17 11:30	6.7	149	25.8	30.9	FALSE
8/26/17 11:45	5.6	128	26.1	30.9	FALSE
8/26/17 12:00	5.7	128	26.3	30.9	FALSE
8/26/17 12:15	6.4	156	26.3	30.9	FALSE
8/26/17 12:30	5.5	138	26.6	30.9	FALSE
8/26/17 12:45	5.7	106	27.1	30.8	FALSE
8/26/17 13:00	4.9	99	27.3	30.8	FALSE
8/26/17 13:15	6.2	133	27.4	30.8	FALSE
8/26/17 13:30	5.4	97	27.9	30.8	FALSE
8/26/17 13:45	5.1	95	27.8	30.8	FALSE
8/26/17 14:00	5.3	79	28.1	30.8	FALSE
8/26/17 14:15	6.5	78	28.2	30.8	FALSE
8/26/17 14:30	5.6	83	28.4	30.8	FALSE
8/26/17 14:45	6.3	70	28.5	30.8	FALSE
8/26/17 15:00	4.9	107	28.6	30.8	FALSE
8/26/17 15:15	6.6	77	28	30.8	FALSE
8/26/17 15:30	3.8	67	29.3	30.8	FALSE
8/26/17 15:45	4.4	118	29.5	30.8	FALSE
8/26/17 16:00	5.4	66	29.2	30.8	FALSE
8/26/17 16:15	6.2	48	28.8	30.8	FALSE
8/26/17 16:30	6.6	72	28.8	30.8	FALSE

8/26/17 16:45	5.7	71	29.1	30.8	FALSE
8/26/17 17:00	6.5	58	29	30.8	FALSE
8/26/17 17:15	4.2	93	29.4	30.8	FALSE
8/26/17 17:30	4.9	98	29.5	30.8	FALSE
8/26/17 17:45	6.2	63	29	30.8	FALSE
8/26/17 18:00	6.5	55	28.9	30.8	FALSE
8/26/17 18:15	5.6	66	28.8	30.8	FALSE
8/26/17 18:30	7.2	58	28.5	30.8	FALSE
8/26/17 18:45	5.6	61	28.4	30.8	FALSE
8/26/17 19:00	6.3	73	27.8	30.8	FALSE
8/26/17 19:15	6.7	69	27.6	30.8	FALSE
8/26/17 19:30	5	55	27.5	30.8	FALSE
8/26/17 19:45	4.8	66	27.1	30.8	FALSE
8/26/17 20:00	3.3	62	26.5	30.8	FALSE
8/26/17 20:15	4	78	26	30.8	FALSE
8/26/17 20:30	3	73	25.6	30.8	FALSE
8/26/17 20:45	4.6	77	25.3	30.8	FALSE
8/26/17 21:00	3.5	64	24.9	30.8	FALSE
8/26/17 21:15	3.4	55	24.5	30.8	FALSE
8/26/17 21:30	3.2	66	24.1	30.8	FALSE
8/26/17 21:45	4.5	71	24	30.8	FALSE
8/26/17 22:00	5.1	73	23.9	30.8	FALSE
8/26/17 22:15	3.8	78	23.7	30.8	FALSE
8/26/17 22:30	3.4	78	23.4	30.8	FALSE
8/26/17 22:45	3.8	85	23.1	30.8	FALSE
8/26/17 23:00	3.7	82	22.9	30.8	FALSE
8/26/17 23:15	3.8	86	22.6	30.8	FALSE
8/26/17 23:30	4.6	85	22.4	30.8	FALSE
8/26/17 23:45	3.4	91	22.3	30.8	FALSE
8/27/17 0:00	2.4	104	22.2	30.8	FALSE
8/27/17 0:15	2.7	100	22.3	30.8	FALSE
8/27/17 0:30	2.6	83	22.2	30.8	FALSE
8/27/17 0:45	2.6	96	22	30.8	FALSE
8/27/17 1:00	2.5	103	21.9	30.8	FALSE
8/27/17 1:15	2.2	105	21.7	30.8	FALSE
8/27/17 1:30	2	93	21.6	30.8	FALSE
8/27/17 1:45	1.7	104	21.4	30.8	FALSE
8/27/17 2:00	1.9	119	21.4	30.8	FALSE
8/27/17 2:15	2.3	110	21.4	30.8	FALSE
8/27/17 2:30	2.5	117	21.4	30.8	FALSE
8/27/17 2:45	2.2	104	21.2	30.8	FALSE
8/27/17 3:00	0.7	42	20.8	30.8	1
8/27/17 3:15	1.4	42	20	30.8	FALSE
8/27/17 3:30	1.1	80	19.8	30.8	FALSE
8/27/17 3:45	1.1	26	19.5	30.8	FALSE
8/27/17 4:00	1.7	27	19.6	30.8	FALSE
8/27/17 4:15	1.9	24	19.5	30.8	FALSE



8/27/17 4:30	1.2	9	19.2	30.8	FALSE
8/27/17 4:45	1.5	16	18.9	30.8	FALSE
8/27/17 5:00	1.3	16	18.7	30.8	FALSE
8/27/17 5:15	0.6	81	18.6	30.8	1
8/27/17 5:30	1.4	108	18.7	30.8	FALSE
8/27/17 5:45	1.6	104	19.6	30.8	FALSE
8/27/17 6:00	0.9	114	19.4	30.8	1
8/27/17 6:15	0.7	23	18.9	30.8	1
8/27/17 6:30	1.9	100	18.9	30.8	FALSE
8/27/17 6:45	1.7	100	19.1	30.8	FALSE
8/27/17 7:00	1.1	61	18.7	30.8	FALSE
8/27/17 7:15	1.5	62	18.8	30.8	FALSE
8/27/17 7:30	1.4	51	19.1	30.8	FALSE
8/27/17 7:45	1	4	19.9	30.8	1
8/27/17 8:00	1.5	27	20.6	30.8	FALSE
8/27/17 8:15	1.8	22	21.2	30.8	FALSE
8/27/17 8:30	1.8	69	21.8	30.8	FALSE
8/27/17 8:45	2.1	96	22.6	30.8	FALSE
8/27/17 9:00	3.1	142	22.8	30.8	FALSE
8/27/17 9:15	3.3	151	23.1	30.8	FALSE
8/27/17 9:30	4.6	156	23.5	30.8	FALSE
8/27/17 9:45	5.3	148	23.7	30.8	FALSE
8/27/17 10:00	5.2	150	24.1	30.8	FALSE
8/27/17 10:15	4.1	158	24.8	30.8	FALSE
8/27/17 10:30	5.8	172	25	30.8	FALSE
8/27/17 10:45	5.4	165	25.4	30.8	FALSE
8/27/17 11:00	4.3	146	25.8	30.8	FALSE
8/27/17 11:15	2.9	150	26.9	30.8	FALSE
8/27/17 11:30	4	125	27.2	30.8	FALSE
8/27/17 11:45	4.1	139	27.4	30.8	FALSE
8/27/17 12:00	3.2	153	28.2	30.8	FALSE
8/27/17 12:15	3.1	190	28.4	30.8	FALSE
8/27/17 12:30	4.9	225	28.8	30.8	FALSE
8/27/17 12:45	3.1	221	28.7	30.8	FALSE
8/27/17 13:00	4.8	199	29.1	30.8	FALSE
8/27/17 13:15	4.4	209	29.1	30.8	FALSE
8/27/17 13:30	5.3	209	28.7	30.8	FALSE
8/27/17 13:45	2.9	160	30.2	30.8	FALSE
8/27/17 14:00	4.2	64	29.8	30.8	FALSE
8/27/17 14:15	3.8	112	30.5	30.8	FALSE
8/27/17 14:30	5.3	176	30.4	30.8	FALSE
8/27/17 14:45	6	188	29.8	30.8	FALSE
8/27/17 15:00	6.7	194	29.4	30.8	FALSE
8/27/17 15:15	5.6	163	30.2	30.8	FALSE
8/27/17 15:30	4.2	187	30.5	30.8	FALSE
8/27/17 15:45	4.8	220	30	30.8	FALSE
8/27/17 16:00	6.9	238	29.6	30.8	FALSE

8/27/17 16:15	6.2	242	30.1	30.8	FALSE
8/27/17 16:30	6.1	212	30.1	30.8	FALSE
8/27/17 16:45	3.6	218	30.3	30.8	FALSE
8/27/17 17:00	4.7	226	30.4	30.8	FALSE
8/27/17 17:15	4.5	197	30.3	30.8	FALSE
8/27/17 17:30	4.1	260	30.4	30.8	FALSE
8/27/17 17:45	7.5	353	28.9	30.8	FALSE
8/27/17 18:00	6	21	28.2	30.8	FALSE
8/27/17 18:15	5.6	21	27.9	30.8	FALSE
8/27/17 18:30	5.3	19	27.6	30.8	FALSE
8/27/17 18:45	5.4	15	27.5	30.8	FALSE
8/27/17 19:00	4.7	13	27.2	30.8	FALSE
8/27/17 19:15	4.5	353	26.8	30.8	FALSE
8/27/17 19:30	5.7	349	26.4	30.8	FALSE
8/27/17 19:45	3.9	1	26	30.8	FALSE
8/27/17 20:00	3.9	10	25.7	30.8	FALSE
8/27/17 20:15	3.7	21	25.5	30.8	FALSE
8/27/17 20:30	4.5	34	25.2	30.8	FALSE
8/27/17 20:45	2.9	31	25.2	30.8	FALSE
8/27/17 21:00	3.1	7	25.3	30.8	FALSE
8/27/17 21:15	7	340	24.9	30.8	FALSE
8/27/17 21:30	6.1	6	23.6	30.8	FALSE
8/27/17 21:45	4.3	0	23.1	30.8	FALSE
8/27/17 22:00	5.2	351	22.9	30.8	FALSE
8/27/17 22:15	4.7	348	22.7	30.8	FALSE
8/27/17 22:30	5.4	345	22.5	30.8	FALSE
8/27/17 22:45	4.9	335	22.4	30.8	FALSE
8/27/17 23:00	2.6	335	22.4	30.8	FALSE
8/27/17 23:15	2.8	17	22.5	30.8	FALSE
8/27/17 23:30	3.4	9	22.4	30.8	FALSE
8/27/17 23:45	2.9	36	22.3	30.8	FALSE
8/28/17 0:00	3.2	346	22.3	30.8	FALSE
8/28/17 0:15	2.9	44	22.3	30.8	FALSE
8/28/17 0:30	2.9	28	22.3	30.8	FALSE
8/28/17 0:45	2.3	350	22.4	30.8	FALSE
8/28/17 1:00	2.5	327	22.2	30.8	FALSE
8/28/17 1:15	2.5	310	22.2	30.8	FALSE
8/28/17 1:30	4.1	331	22.2	30.8	FALSE
8/28/17 1:45	4.1	330	22.2	30.8	FALSE
8/28/17 2:00	4.1	331	22	30.8	FALSE
8/28/17 2:15	3.5	327	21.5	30.8	FALSE
8/28/17 2:30	2.7	346	21.2	30.8	FALSE
8/28/17 2:45	2.7	9	21.2	30.8	FALSE
8/28/17 3:00	1.5	344	21.2	30.8	FALSE
8/28/17 3:15	3.3	323	21.1	30.8	FALSE
8/28/17 3:30	2.8	339	21.2	30.8	FALSE
8/28/17 3:45	1.8	332	21.2	30.8	FALSE

8/28/17 4:00	2.2	16	21.2	30.8	FALSE
8/28/17 4:15	2.9	342	20.9	30.8	FALSE
8/28/17 4:30	2.9	348	20.8	30.8	FALSE
8/28/17 4:45	2.7	358	20.6	30.8	FALSE
8/28/17 5:00	3.3	3	20.4	30.8	FALSE
8/28/17 5:15	3.7	357	20.2	30.8	FALSE
8/28/17 5:30	3.4	347	20.1	30.8	FALSE
8/28/17 5:45	3.6	5	20	30.8	FALSE
8/28/17 6:00	4.6	353	19.9	30.8	FALSE
8/28/17 6:15	3.5	7	19.8	30.8	FALSE
8/28/17 6:30	4.1	353	19.7	30.8	FALSE
8/28/17 6:45	2.8	2	19.6	30.8	FALSE
8/28/17 7:00	3.3	350	19.5	30.8	FALSE
8/28/17 7:15	3.9	331	19.6	30.8	FALSE
8/28/17 7:30	4.2	340	19.8	30.8	FALSE
8/28/17 7:45	3	4	20.4	30.8	FALSE
8/28/17 8:00	4.8	349	20.4	30.8	FALSE
8/28/17 8:15	4.4	346	20.6	30.8	FALSE
8/28/17 8:30	5.2	346	20.8	30.8	FALSE
8/28/17 8:45	5.1	347	20.9	30.8	FALSE
8/28/17 9:00	5.4	330	21.3	30.8	FALSE
8/28/17 9:15	5.5	350	21.6	30.8	FALSE
8/28/17 9:30	5.6	336	21.5	30.8	FALSE
8/28/17 9:45	5.7	333	21.7	30.8	FALSE
8/28/17 10:00	4.4	348	22.4	30.8	FALSE
8/28/17 10:15	3.6	325	23.6	30.8	FALSE
8/28/17 10:30	3.9	282	23.7	30.8	FALSE
8/28/17 10:45	5	334	24.1	30.8	FALSE
8/28/17 11:00	5.8	308	24.4	30.8	FALSE
8/28/17 11:15	5.4	340	25	30.8	FALSE
8/28/17 11:30	5.6	311	25.1	30.8	FALSE
8/28/17 11:45	6.1	315	25.3	30.8	FALSE
8/28/17 12:00	4.2	326	26	30.8	FALSE
8/28/17 12:15	5.3	315	26.3	30.8	FALSE
8/28/17 12:30	4.2	317	26.7	30.8	FALSE
8/28/17 12:45	5.1	314	27	30.8	FALSE
8/28/17 13:00	6.2	291	27	30.8	FALSE
8/28/17 13:15	5.4	277	27.2	30.8	FALSE
8/28/17 13:30	5.9	320	27.6	30.8	FALSE
8/28/17 13:45	6	339	28	30.8	FALSE
8/28/17 14:00	7	339	27.3	30.8	FALSE
8/28/17 14:15	6	333	26.8	30.8	FALSE
8/28/17 14:30	4.1	352	27.3	30.8	FALSE
8/28/17 14:45	5.3	1	27	30.8	FALSE
8/28/17 15:00	5.1	37	27.2	30.8	FALSE
8/28/17 15:15	7.2	67	26.9	30.8	FALSE
8/28/17 15:30	7.5	85	25.8	30.8	FALSE

8/28/17 15:45	6.3	85	26.5	30.8	FALSE
8/28/17 16:00	6	93	26.2	30.8	FALSE
8/28/17 16:15	9.4	85	25.3	30.8	FALSE
8/28/17 16:30	8.6	85	24.2	30.8	FALSE
8/28/17 16:45	6.3	114	23.8	30.8	FALSE
8/28/17 17:00	8.3	185	22.3	30.8	FALSE
8/28/17 17:15	7.5	183	21.2	30.8	FALSE
8/28/17 17:30	7.4	174	21.5	30.8	FALSE
8/28/17 17:45	5.8	159	21.7	30.8	FALSE
8/28/17 18:00	4.9	189	21.6	30.8	FALSE
8/28/17 18:15	4.1	194	21.6	30.8	FALSE
8/28/17 18:30	2.8	155	22.1	30.8	FALSE
8/28/17 18:45	2.6	98	23.5	30.8	FALSE
8/28/17 19:00	2.6	16	23.5	30.8	FALSE
8/28/17 19:15	1.7	24	22.7	30.8	FALSE
8/28/17 19:30	1.7	360	22.7	30.8	FALSE
8/28/17 19:45	1.3	39	22.2	30.8	FALSE
8/28/17 20:00	2.9	276	22.1	30.8	FALSE
8/28/17 20:15	3.4	281	21.9	30.8	FALSE
8/28/17 20:30	3.5	303	21.7	30.8	FALSE
8/28/17 20:45	2	332	21.6	30.8	FALSE
8/28/17 21:00	0.8	22	21.1	30.8	1
8/28/17 21:15	2.8	51	20.8	30.8	FALSE
8/28/17 21:30	3.1	43	20.8	30.8	FALSE
8/28/17 21:45	3.1	28	20.7	30.8	FALSE
8/28/17 22:00	2.3	57	20.6	30.8	FALSE
8/28/17 22:15	1.1	43	20.4	30.8	FALSE
8/28/17 22:30	2	58	20.3	30.8	FALSE
8/28/17 22:45	1.7	62	20.5	30.8	FALSE
8/28/17 23:00	1.2	132	20.3	30.8	FALSE
8/28/17 23:15	1.4	182	20.4	30.8	FALSE
8/28/17 23:30	1.1	190	20.3	30.8	FALSE
8/28/17 23:45	1	210	20.1	30.8	1
8/29/17 0:00	2.1	50	20	30.8	FALSE
8/29/17 0:15	1	28	19.8	30.8	1
8/29/17 0:30	3.2	2	19.6	30.8	FALSE
8/29/17 0:45	2.4	18	19.4	30.8	FALSE
8/29/17 1:00	1.2	50	19.4	30.8	FALSE
8/29/17 1:15	1	79	19.5	30.8	1
8/29/17 1:30	0.8	67	19.4	30.8	1
8/29/17 1:45	0.6	325	19.3	30.8	1
8/29/17 2:00	1.1	354	19.3	30.8	FALSE
8/29/17 2:15	1.1	357	19.2	30.8	FALSE
8/29/17 2:30	2.1	5	19.1	30.8	FALSE
8/29/17 2:45	1.8	12	19.1	30.8	FALSE
8/29/17 3:00	1.6	28	18.9	30.8	FALSE
8/29/17 3:15	2.5	348	18.7	30.8	FALSE

8/29/17 3:30	2.8	6	18.5	30.8	FALSE
8/29/17 3:45	1.7	53	18.3	30.8	FALSE
8/29/17 4:00	1.6	32	18.3	30.8	FALSE
8/29/17 4:15	2.2	22	18.2	30.8	FALSE
8/29/17 4:30	1.9	1	18.1	30.8	FALSE
8/29/17 4:45	3	347	18	30.8	FALSE
8/29/17 5:00	2.1	355	17.9	30.8	FALSE
8/29/17 5:15	1.9	332	17.6	30.8	FALSE
8/29/17 5:30	1.6	356	17.6	30.8	FALSE
8/29/17 5:45	2.3	350	17.8	30.8	FALSE
8/29/17 6:00	3.1	356	17.8	30.8	FALSE
8/29/17 6:15	4.1	345	17.6	30.8	FALSE
8/29/17 6:30	3.5	355	17.4	30.8	FALSE
8/29/17 6:45	3.4	338	17.4	30.8	FALSE
8/29/17 7:00	2.9	324	17.5	30.8	FALSE
8/29/17 7:15	4.9	335	17.4	30.8	FALSE
8/29/17 7:30	4.1	333	17.4	30.8	FALSE
8/29/17 7:45	4.9	339	17.3	30.8	FALSE
8/29/17 8:00	5.6	340	17.2	30.8	FALSE
8/29/17 8:15	5	355	17.1	30.8	FALSE
8/29/17 8:30	5.1	345	17.3	30.8	FALSE
8/29/17 8:45	4.8	325	17.4	30.8	FALSE
8/29/17 9:00	4.8	320	17.5	30.8	FALSE
8/29/17 9:15	4	320	17.8	30.8	FALSE
8/29/17 9:30	3.5	318	17.8	30.8	FALSE
8/29/17 9:45	3.9	24	18.1	30.8	FALSE
8/29/17 10:00	3.6	11	18.5	30.8	FALSE
8/29/17 10:15	4.7	354	18.9	30.8	FALSE
8/29/17 10:30	4.5	342	19.6	30.8	FALSE
8/29/17 10:45	4.5	328	20.9	30.8	FALSE
8/29/17 11:00	4.2	278	21.4	30.8	FALSE
8/29/17 11:15	4.7	315	21.7	30.8	FALSE
8/29/17 11:30	4.6	299	22.5	30.8	FALSE
8/29/17 11:45	4.3	327	23.3	30.8	FALSE
8/29/17 12:00	5.3	293	23.5	30.8	FALSE
8/29/17 12:15	4.8	331	24.3	30.8	FALSE
8/29/17 12:30	6.1	329	24.5	30.8	FALSE
8/29/17 12:45	5.3	339	25.1	30.8	FALSE
8/29/17 13:00	5.2	300	25	30.8	FALSE
8/29/17 13:15	4.7	318	25.1	30.8	FALSE
8/29/17 13:30	4.5	348	26.2	30.8	FALSE
8/29/17 13:45	4.2	327	26.2	30.8	FALSE
8/29/17 14:00	5.6	27	26	30.8	FALSE
8/29/17 14:15	4.4	353	25.8	30.8	FALSE
8/29/17 14:30	4.3	66	26.9	30.8	FALSE
8/29/17 14:45	5.6	1	27.2	30.8	FALSE
8/29/17 15:00	4.3	347	27.2	30.8	FALSE

8/29/17 15:15	4.9	356	26.7	30.8	FALSE
8/29/17 15:30	3.9	310	27.9	30.8	FALSE
8/29/17 15:45	5	340	28	30.8	FALSE
8/29/17 16:00	5.9	316	27.2	30.8	FALSE
8/29/17 16:15	7.1	313	27.2	30.8	FALSE
8/29/17 16:30	4.6	323	27.4	30.8	FALSE
8/29/17 16:45	5.7	290	27.7	30.8	FALSE
8/29/17 17:00	5	300	27.5	30.8	FALSE
8/29/17 17:15	6.3	317	27.1	30.8	FALSE
8/29/17 17:30	6.5	322	26.6	30.8	FALSE
8/29/17 17:45	4.9	339	26.4	30.8	FALSE
8/29/17 18:00	7.3	356	27.3	30.8	FALSE
8/29/17 18:15	7.4	335	27.2	30.8	FALSE
8/29/17 18:30	8	340	26.8	30.8	FALSE
8/29/17 18:45	7.3	345	26.8	30.8	FALSE
8/29/17 19:00	6.6	347	26.6	30.8	FALSE
8/29/17 19:15	5.4	352	26.3	30.8	FALSE
8/29/17 19:30	3.9	358	26.2	30.8	FALSE
8/29/17 19:45	3.6	8	25.5	30.8	FALSE
8/29/17 20:00	3	3	24.7	30.8	FALSE
8/29/17 20:15	3.3	354	24.1	30.8	FALSE
8/29/17 20:30	3.6	356	23.7	30.8	FALSE
8/29/17 20:45	3.1	10	23.3	30.8	FALSE
8/29/17 21:00	2.4	34	23	30.8	FALSE
8/29/17 21:15	2	37	22.7	30.8	FALSE
8/29/17 21:30	2.2	22	22.5	30.8	FALSE
8/29/17 21:45	1.5	13	22.2	30.8	FALSE
8/29/17 22:00	1.9	353	21.7	30.8	FALSE
8/29/17 22:15	2	351	21.7	30.8	FALSE
8/29/17 22:30	1.8	358	21.3	30.8	FALSE
8/29/17 22:45	1.3	342	21	30.8	FALSE
8/29/17 23:00	1.1	359	20.6	30.8	FALSE
8/29/17 23:15	1.4	10	20.4	30.8	FALSE
8/29/17 23:30	0.8	13	20.2	30.8	1
8/29/17 23:45	0.6	67	20.1	30.8	1
8/30/17 0:00	0.6	131	20	30.8	1
8/30/17 0:15	0.8	341	20	30.8	1
8/30/17 0:30	0.9	9	19.8	30.8	1
8/30/17 0:45	0.6	112	19.5	30.8	1
8/30/17 1:00	0.6	154	19.4	30.8	1
8/30/17 1:15	0.6	49	19.3	30.8	1
8/30/17 1:30	0.6	40	19.1	30.8	1
8/30/17 1:45	0.6	42	19	30.8	1
8/30/17 2:00	0.6	29	18.8	30.8	1
8/30/17 2:15	0.8	27	18.6	30.8	1
8/30/17 2:30	1.6	19	18.5	30.8	FALSE
8/30/17 2:45	2.5	3	18.5	30.8	FALSE

8/30/17 3:00	2.2	7	18.6	30.8	FALSE
8/30/17 3:15	2.5	19	18.3	30.8	FALSE
8/30/17 3:30	3.2	358	18.2	30.8	FALSE
8/30/17 3:45	3	358	18.2	30.8	FALSE
8/30/17 4:00	1.1	37	18.1	30.8	FALSE
8/30/17 4:15	0.6	8	17.8	30.8	1
8/30/17 4:30	0.6	27	17.7	30.8	1
8/30/17 4:45	0.9	47	17.7	30.8	1
8/30/17 5:00	2	6	17.7	30.8	FALSE
8/30/17 5:15	2	357	17.8	30.8	FALSE
8/30/17 5:30	1.8	12	17.8	30.8	FALSE
8/30/17 5:45	0.7	346	17.6	30.8	1
8/30/17 6:00	1	2	17.5	30.8	1
8/30/17 6:15	1.1	61	17.4	30.8	FALSE
8/30/17 6:30	1.4	36	17.4	30.8	FALSE
8/30/17 6:45	2.2	7	17.6	30.8	FALSE
8/30/17 7:00	3.1	342	17.6	30.8	FALSE
8/30/17 7:15	2.9	341	17.8	30.8	FALSE
8/30/17 7:30	3.8	338	18.1	30.8	FALSE
8/30/17 7:45	2.9	348	18.6	30.8	FALSE
8/30/17 8:00	4.1	331	18.9	30.8	FALSE
8/30/17 8:15	3.7	345	19.3	30.8	FALSE
8/30/17 8:30	3.7	345	19.7	30.8	FALSE
8/30/17 8:45	4.5	343	20.1	30.8	FALSE
8/30/17 9:00	4.8	358	20.3	30.8	FALSE
8/30/17 9:15	5.5	341	20.5	30.8	FALSE
8/30/17 9:30	4	8	21.2	30.8	FALSE
8/30/17 9:45	4.7	337	21.9	30.8	FALSE
8/30/17 10:00	5.2	350	22.2	30.8	FALSE
8/30/17 10:15	5.1	347	22.8	30.8	FALSE
8/30/17 10:30	5.2	336	23.5	30.8	FALSE
8/30/17 10:45	5.3	342	24	30.8	FALSE
8/30/17 11:00	6.5	333	24.3	30.8	FALSE
8/30/17 11:15	5.9	325	24.8	30.8	FALSE
8/30/17 11:30	7.4	325	24.9	30.8	FALSE
8/30/17 11:45	6.7	346	25.5	30.8	FALSE
8/30/17 12:00	6.5	7	26	30.8	FALSE
8/30/17 12:15	6.8	5	26.2	30.8	FALSE
8/30/17 12:30	7.4	15	26.4	30.8	FALSE
8/30/17 12:45	6.8	6	26.6	30.8	FALSE
8/30/17 13:00	8	346	26.8	30.8	FALSE
8/30/17 13:15	6.8	13	26.9	30.8	FALSE
8/30/17 13:30	6.7	359	27	30.8	FALSE
8/30/17 13:45	6.8	337	27.3	30.8	FALSE
8/30/17 14:00	8.1	357	27.3	30.8	FALSE
8/30/17 14:15	8	342	26.9	30.8	FALSE
8/30/17 14:30	6.4	346	27.8	30.8	FALSE

8/30/17 14:45	6.3	11	27.5	30.8	FALSE
8/30/17 15:00	6.1	3	28	30.8	FALSE
8/30/17 15:15	7.2	4	27.2	30.8	FALSE
8/30/17 15:30	7.9	352	27.8	30.8	FALSE
8/30/17 15:45	6.8	18	28.1	30.8	FALSE
8/30/17 16:00	7.8	338	27.9	30.8	FALSE
8/30/17 16:15	7.4	352	28	30.8	FALSE
8/30/17 16:30	7.8	355	28.1	30.8	FALSE
8/30/17 16:45	7.8	16	27.9	30.8	FALSE
8/30/17 17:00	7.1	2	27.9	30.8	FALSE
8/30/17 17:15	5.6	19	28.4	30.8	FALSE
8/30/17 17:30	7.9	8	28.1	30.8	FALSE
8/30/17 17:45	6.1	8	28	30.8	FALSE
8/30/17 18:00	5.5	2	28.1	30.8	FALSE
8/30/17 18:15	6.8	15	28.1	30.8	FALSE
8/30/17 18:30	6.6	7	28.1	30.8	FALSE
8/30/17 18:45	5.7	10	27.9	30.8	FALSE
8/30/17 19:00	5	15	27.6	30.8	FALSE
8/30/17 19:15	4.8	16	27.3	30.8	FALSE
8/30/17 19:30	4.9	12	26.9	30.8	FALSE
8/30/17 19:45	4.4	14	26.4	30.8	FALSE
8/30/17 20:00	3.9	13	25.7	30.8	FALSE
8/30/17 20:15	3.7	17	25.2	30.8	FALSE
8/30/17 20:30	3.2	29	24.7	30.8	FALSE
8/30/17 20:45	3.2	26	24.4	30.8	FALSE
8/30/17 21:00	3.3	24	24.2	30.8	FALSE
8/30/17 21:15	2.8	17	23.9	30.8	FALSE
8/30/17 21:30	2.7	16	23.7	30.8	FALSE
8/30/17 21:45	2.7	0	23.3	30.8	FALSE
8/30/17 22:00	2.7	359	22.9	30.8	FALSE
8/30/17 22:15	3	354	22.6	30.8	FALSE
8/30/17 22:30	2.7	355	22.4	30.8	FALSE
8/30/17 22:45	3.1	353	22.1	30.8	FALSE
8/30/17 23:00	3.2	358	21.9	30.8	FALSE
8/30/17 23:15	2.5	4	21.7	30.8	FALSE
8/30/17 23:30	1.9	8	21.3	30.8	FALSE
8/30/17 23:45	2.7	351	21.2	30.8	FALSE
8/31/17 0:00	3.4	352	21.2	30.8	FALSE
8/31/17 0:15	3.1	352	21	30.8	FALSE
8/31/17 0:30	2.7	1	20.7	30.8	FALSE
8/31/17 0:45	2.4	7	20.6	30.8	FALSE
8/31/17 1:00	2.1	358	20.3	30.8	FALSE
8/31/17 1:15	1	34	20	30.8	1
8/31/17 1:30	0.7	15	19.5	30.8	1
8/31/17 1:45	0.9	81	19.4	30.8	1
8/31/17 2:00	2.4	22	19.9	30.8	FALSE
8/31/17 2:15	2.3	12	20.1	30.8	FALSE



8/31/17 2:30	3.4	352	19.9	30.8	FALSE
8/31/17 2:45	2.4	13	19.7	30.8	FALSE
8/31/17 3:00	1.3	13	19.4	30.8	FALSE
8/31/17 3:15	2.6	353	19.2	30.8	FALSE
8/31/17 3:30	2.8	355	19.3	30.8	FALSE
8/31/17 3:45	2	14	19.1	30.8	FALSE
8/31/17 4:00	1.5	34	18.9	30.8	FALSE
8/31/17 4:15	1.9	358	18.6	30.8	FALSE
8/31/17 4:30	2.5	354	18.6	30.8	FALSE
8/31/17 4:45	3.4	6	18.6	30.8	FALSE
8/31/17 5:00	3.5	357	18.3	30.8	FALSE
8/31/17 5:15	3.1	351	18.1	30.8	FALSE
8/31/17 5:30	4.3	350	17.9	30.8	FALSE
8/31/17 5:45	3.1	5	17.8	30.8	FALSE
8/31/17 6:00	3.1	7	17.8	30.8	FALSE
8/31/17 6:15	2	26	17.8	30.8	FALSE
8/31/17 6:30	2.5	359	17.8	30.8	FALSE
8/31/17 6:45	3.2	5	17.9	30.8	FALSE
8/31/17 7:00	2.3	24	17.9	30.8	FALSE
8/31/17 7:15	4	350	17.8	30.8	FALSE
8/31/17 7:30	4.5	340	17.8	30.8	FALSE
8/31/17 7:45	3.3	5	18	30.8	FALSE
8/31/17 8:00	4.6	356	18.1	30.8	FALSE
8/31/17 8:15	3.7	11	18.1	30.8	FALSE
8/31/17 8:30	2.6	3	18.3	30.8	FALSE
8/31/17 8:45	5.5	333	18.4	30.8	FALSE
8/31/17 9:00	6.1	344	18.6	30.8	FALSE
8/31/17 9:15	6.7	350	18.8	30.8	FALSE
8/31/17 9:30	4.7	14	19.2	30.8	FALSE
8/31/17 9:45	3.6	2	19.9	30.8	FALSE
8/31/17 10:00	3.9	1	20.7	30.8	FALSE
8/31/17 10:15	5.3	360	21.4	30.8	FALSE
8/31/17 10:30	5.8	1	21.7	30.8	FALSE
8/31/17 10:45	5.9	5	22	30.8	FALSE
8/31/17 11:00	8.6	23	22.4	30.8	FALSE
8/31/17 11:15	7.1	17	22.9	30.8	FALSE
8/31/17 11:30	7	24	23	30.8	FALSE
8/31/17 11:45	7.1	14	23.2	30.8	FALSE
8/31/17 12:00	7.2	11	23.4	30.8	FALSE
8/31/17 12:15	8	31	23.7	30.8	FALSE
8/31/17 12:30	7.7	24	24.1	30.8	FALSE
8/31/17 12:45	7.9	24	24.4	30.8	FALSE
8/31/17 13:00	8.3	14	24.7	30.8	FALSE
8/31/17 13:15	8.5	8	24.8	30.8	FALSE
8/31/17 13:30	8.4	12	25.1	30.8	FALSE
8/31/17 13:45	8.4	9	25.2	30.8	FALSE
8/31/17 14:00	10.1	12	25.4	30.8	FALSE

8/31/17 14:15	8.9	27	25.6	30.8	FALSE
8/31/17 14:30	8.3	23	25.8	30.8	FALSE
8/31/17 14:45	9.1	5	25.8	30.8	FALSE
8/31/17 15:00	9.2	9	26	30.8	FALSE
8/31/17 15:15	9	14	26	30.8	FALSE
8/31/17 15:30	8.2	17	25.8	30.8	FALSE
8/31/17 15:45	8.8	12	25.7	30.8	FALSE
8/31/17 16:00	8.4	9	25.7	30.8	FALSE
8/31/17 16:15	9.4	2	25.7	30.8	FALSE
8/31/17 16:30	8.9	4	25.7	30.8	FALSE
8/31/17 16:45	9.3	4	25.5	30.8	FALSE
8/31/17 17:00	8.7	12	25.4	30.8	FALSE
8/31/17 17:15	9.2	11	25.3	30.8	FALSE
8/31/17 17:30	10.4	6	25.2	30.8	FALSE
8/31/17 17:45	9.8	11	25	30.8	FALSE
8/31/17 18:00	9.7	8	25	30.8	FALSE
8/31/17 18:15	9.1	12	24.9	30.8	FALSE
8/31/17 18:30	6.6	18	24.6	30.8	FALSE
8/31/17 18:45	7.4	13	24.5	30.8	FALSE
8/31/17 19:00	7.5	12	24.4	30.8	FALSE
8/31/17 19:15	6.8	12	24.2	30.8	FALSE
8/31/17 19:30	6.5	11	24.1	30.8	FALSE
8/31/17 19:45	6	2	23.9	30.8	FALSE
8/31/17 20:00	6.6	6	23.6	30.8	FALSE
8/31/17 20:15	6.7	9	23.3	30.8	FALSE
8/31/17 20:30	6.9	8	22.9	30.8	FALSE
8/31/17 20:45	7.3	7	22.7	30.8	FALSE
8/31/17 21:00	8.4	356	22.5	30.8	FALSE
8/31/17 21:15	9.1	358	22.3	30.8	FALSE
8/31/17 21:30	8.6	357	22.1	30.8	FALSE
8/31/17 21:45	7	16	21.8	30.8	FALSE
8/31/17 22:00	6.7	14	21.6	30.8	FALSE
8/31/17 22:15	7.3	12	21.4	30.8	FALSE
8/31/17 22:30	6.4	12	21.2	30.8	FALSE
8/31/17 22:45	6.8	8	21	30.8	FALSE
8/31/17 23:00	6	8	20.7	30.8	FALSE
8/31/17 23:15	7.6	6	20.5	30.8	FALSE
8/31/17 23:30	7.8	9	20.2	30.8	FALSE
8/31/17 23:45	8.4	10	20	30.8	FALSE
9/1/17 0:00	7.9	2	19.8	30.8	FALSE
9/1/17 0:15	8.7	3	19.6	30.8	FALSE
9/1/17 0:30	8.7	359	19.3	30.8	FALSE
9/1/17 0:45	10.1	356	19.1	30.8	FALSE
9/1/17 1:00	8.2	354	18.9	30.8	FALSE
9/1/17 1:15	8.3	349	18.6	30.8	FALSE
9/1/17 1:30	8.1	349	18.5	30.8	FALSE
9/1/17 1:45	8.4	346	18.3	30.8	FALSE

9/1/17 2:00	9	340	18	30.8	FALSE
9/1/17 2:15	8.9	337	17.7	30.8	FALSE
9/1/17 2:30	8.6	336	17.6	30.8	FALSE
9/1/17 2:45	8.7	341	17.5	30.8	FALSE
9/1/17 3:00	9	344	17.4	30.8	FALSE
9/1/17 3:15	8.7	346	17.4	30.8	FALSE
9/1/17 3:30	7.9	349	17.3	30.8	FALSE
9/1/17 3:45	7.6	349	17.3	30.8	FALSE
9/1/17 4:00	8.2	346	17.3	30.8	FALSE
9/1/17 4:15	9.3	342	17.2	30.8	FALSE
9/1/17 4:30	9.5	342	16.9	30.8	FALSE
9/1/17 4:45	8.9	343	16.7	30.8	FALSE
9/1/17 5:00	8.5	336	16.6	30.8	FALSE
9/1/17 5:15	9.4	336	16.5	30.8	FALSE
9/1/17 5:30	7.7	342	16.5	30.8	FALSE
9/1/17 5:45	9.2	345	16.4	30.8	FALSE
9/1/17 6:00	8.6	345	16.3	30.8	FALSE
9/1/17 6:15	8.2	347	16.3	30.8	FALSE
9/1/17 6:30	7.9	346	16.3	30.8	FALSE
9/1/17 6:45	8.5	347	16.4	30.8	FALSE
9/1/17 7:00	8.4	348	16.5	30.8	FALSE
9/1/17 7:15	8.5	349	16.5	30.8	FALSE
9/1/17 7:30	7.8	353	16.6	30.8	FALSE
9/1/17 7:45	8.3	352	16.6	30.8	FALSE
9/1/17 8:00	8.3	353	16.7	30.8	FALSE
9/1/17 8:15	7.7	357	16.8	30.8	FALSE
9/1/17 8:30	9.1	357	17.2	30.8	FALSE
9/1/17 8:45	9.5	351	17.2	30.8	FALSE
9/1/17 9:00	9.6	358	17.2	30.8	FALSE
9/1/17 9:15	9.6	358	17.4	30.8	FALSE
9/1/17 9:30	9.8	353	17.5	30.8	FALSE
9/1/17 9:45	10.3	355	17.5	30.8	FALSE
9/1/17 10:00	10.4	345	18.1	30.8	FALSE
9/1/17 10:15	10.8	1	18.2	30.8	FALSE
9/1/17 10:30	10.4	350	18.4	30.8	FALSE
9/1/17 10:45	8.4	8	18.5	30.8	FALSE
9/1/17 11:00	8.4	352	19.4	30.8	FALSE
9/1/17 11:15	9.6	338	19.7	30.8	FALSE
9/1/17 11:30	9.7	341	19.7	30.8	FALSE
9/1/17 11:45	10.1	336	20.1	30.8	FALSE
9/1/17 12:00	9.5	343	20.2	30.8	FALSE
9/1/17 12:15	9.6	345	20.5	30.8	FALSE
9/1/17 12:30	9.3	340	20.8	30.8	FALSE
9/1/17 12:45	9.9	347	21.2	30.8	FALSE
9/1/17 13:00	9.6	359	21.7	30.8	FALSE
9/1/17 13:15	9	355	22	30.8	FALSE
9/1/17 13:30	10.7	327	22.2	30.8	FALSE

9/1/17 13:45	10.5	333	22.3	30.8	FALSE
9/1/17 14:00	11.1	324	22.5	30.8	FALSE
9/1/17 14:15	9.8	338	22.8	30.8	FALSE
9/1/17 14:30	10	327	23.1	30.8	FALSE
9/1/17 14:45	10.2	348	23.2	30.8	FALSE
9/1/17 15:00	9.8	342	23.4	30.8	FALSE
9/1/17 15:15	8.4	344	23.7	30.8	FALSE
9/1/17 15:30	9.2	347	23.9	30.8	FALSE
9/1/17 15:45	10.3	328	23.9	30.8	FALSE
9/1/17 16:00	8.9	340	24.1	30.8	FALSE
9/1/17 16:15	8.4	332	24.2	30.8	FALSE
9/1/17 16:30	9.8	335	24.2	30.8	FALSE
9/1/17 16:45	9.3	332	24	30.8	FALSE
9/1/17 17:00	8.9	344	24.2	30.8	FALSE
9/1/17 17:15	8.6	351	24.1	30.8	FALSE
9/1/17 17:30	8.1	351	24	30.8	FALSE
9/1/17 17:45	9	337	24	30.8	FALSE
9/1/17 18:00	8.6	333	23.8	30.8	FALSE
9/1/17 18:15	8.8	332	23.6	30.8	FALSE
9/1/17 18:30	9	339	23.4	30.8	FALSE
9/1/17 18:45	7.9	334	23.1	30.8	FALSE
9/1/17 19:00	7	341	22.7	30.8	FALSE
9/1/17 19:15	6.2	13	22.2	30.8	FALSE
9/1/17 19:30	5.4	18	21.7	30.8	FALSE
9/1/17 19:45	4.4	14	21.2	30.8	FALSE
9/1/17 20:00	4.6	17	20.6	30.8	FALSE
9/1/17 20:15	4.1	18	20.3	30.8	FALSE
9/1/17 20:30	3.3	22	19.9	30.8	FALSE
9/1/17 20:45	2.9	17	19.6	30.8	FALSE
9/1/17 21:00	3.4	18	19.3	30.8	FALSE
9/1/17 21:15	2.9	11	18.9	30.8	FALSE
9/1/17 21:30	2	11	18.5	30.8	FALSE
9/1/17 21:45	2.6	11	18	30.8	FALSE
9/1/17 22:00	3.3	21	17.8	30.8	FALSE
9/1/17 22:15	2.2	336	17.5	30.8	FALSE
9/1/17 22:30	1.7	352	17	30.8	FALSE
9/1/17 22:45	3.4	325	17	30.8	FALSE
9/1/17 23:00	3.1	352	17	30.8	FALSE
9/1/17 23:15	2.7	15	16.7	30.8	FALSE
9/1/17 23:30	3.2	24	16.3	30.8	FALSE
9/1/17 23:45	1.9	19	16	30.8	FALSE
9/2/17 0:00	2.1	29	15.7	30.8	FALSE
9/2/17 0:15	2	0	15.5	30.8	FALSE
9/2/17 0:30	2.8	0	15.4	30.8	FALSE
9/2/17 0:45	2.6	359	15.4	30.8	FALSE
9/2/17 1:00	2.7	340	15.3	30.8	FALSE
9/2/17 1:15	1.8	24	14.9	30.8	FALSE

9/2/17 1:30	0.7	69	14.3	30.8	1
9/2/17 1:45	0.6	24	13.6	30.8	1
9/2/17 2:00	0.6	217	13.4	30.8	1
9/2/17 2:15	1.1	247	13.7	30.8	FALSE
9/2/17 2:30	1.2	289	13.9	30.8	FALSE
9/2/17 2:45	1	7	13.5	30.8	1
9/2/17 3:00	0.7	259	13.5	30.8	1
9/2/17 3:15	2.1	14	13.6	30.8	FALSE
9/2/17 3:30	2.2	9	13.4	30.8	FALSE
9/2/17 3:45	1.3	16	13.1	30.8	FALSE
9/2/17 4:00	1.7	26	12.7	30.8	FALSE
9/2/17 4:15	1.6	60	12.8	30.8	FALSE
9/2/17 4:30	1.3	57	12.5	30.8	FALSE
9/2/17 4:45	1.4	232	12.7	30.8	FALSE
9/2/17 5:00	0.9	230	12.7	30.8	1
9/2/17 5:15	1	270	12.5	30.8	1
9/2/17 5:30	0.8	296	12.4	30.8	1
9/2/17 5:45	1.3	38	12.1	30.8	FALSE
9/2/17 6:00	1.6	22	11.9	30.8	FALSE
9/2/17 6:15	0.7	225	11.7	30.8	1
9/2/17 6:30	0.9	190	11.7	30.8	1
9/2/17 6:45	1.7	331	11.9	30.8	FALSE
9/2/17 7:00	1.1	74	11.7	30.8	FALSE
9/2/17 7:15	0.7	64	11.5	30.8	1
9/2/17 7:30	0.8	75	11.8	30.8	1
9/2/17 7:45	0.9	65	12.7	30.8	1
9/2/17 8:00	1.4	59	13.6	30.8	FALSE
9/2/17 8:15	0.8	328	14.6	30.8	1
9/2/17 8:30	1.1	339	16.1	30.8	FALSE
9/2/17 8:45	2	10	16.4	30.8	FALSE
9/2/17 9:00	2.7	12	16.4	30.8	FALSE
9/2/17 9:15	4	349	16.1	30.8	FALSE
9/2/17 9:30	3.8	359	16.6	30.8	FALSE
9/2/17 9:45	3.9	354	17.3	30.8	FALSE
9/2/17 10:00	3.1	299	18	30.8	FALSE
9/2/17 10:15	2.7	8	18.7	30.8	FALSE
9/2/17 10:30	2.8	2	19.5	30.8	FALSE
9/2/17 10:45	2.9	5	19.9	30.8	FALSE
9/2/17 11:00	3.6	320	19.9	30.8	FALSE
9/2/17 11:15	4.5	343	20.1	30.8	FALSE
9/2/17 11:30	3.8	297	20.6	30.8	FALSE
9/2/17 11:45	4.9	307	20.9	30.8	FALSE
9/2/17 12:00	5.4	268	21.1	30.8	FALSE
9/2/17 12:15	5.8	273	21.5	30.8	FALSE
9/2/17 12:30	4.4	273	21.9	30.8	FALSE
9/2/17 12:45	4.9	301	22.2	30.8	FALSE
9/2/17 13:00	3.9	194	22.5	30.8	FALSE

9/2/17 13:15	4.2	268	23	30.8	FALSE
9/2/17 13:30	3.7	299	23.7	30.8	FALSE
9/2/17 13:45	5.9	225	23.2	30.8	FALSE
9/2/17 14:00	4.7	306	23.8	30.8	FALSE
9/2/17 14:15	5.6	257	23.9	30.8	FALSE
9/2/17 14:30	4.5	271	24.3	30.8	FALSE
9/2/17 14:45	2.7	254	25.5	30.8	FALSE
9/2/17 15:00	4.5	312	25.7	30.8	FALSE
9/2/17 15:15	5.7	285	25.2	30.8	FALSE
9/2/17 15:30	5.6	306	25.4	30.8	FALSE
9/2/17 15:45	6.8	316	25.6	30.8	FALSE
9/2/17 16:00	6.2	299	25.6	30.8	FALSE
9/2/17 16:15	4.6	286	26	30.8	FALSE
9/2/17 16:30	4.1	341	26.6	30.8	FALSE
9/2/17 16:45	4.5	11	26.6	30.8	FALSE
9/2/17 17:00	4.2	165	26.7	30.8	FALSE
9/2/17 17:15	3.5	205	26.9	30.8	FALSE
9/2/17 17:30	4.1	208	27.4	30.8	FALSE
9/2/17 17:45	3.8	179	27	30.8	FALSE
9/2/17 18:00	3.9	201	27.2	30.8	FALSE
9/2/17 18:15	4.8	187	26.6	30.8	FALSE
9/2/17 18:30	3.9	173	26.6	30.8	FALSE
9/2/17 18:45	4.5	189	26.2	30.8	FALSE
9/2/17 19:00	3.8	190	26.2	30.8	FALSE
9/2/17 19:15	3.5	184	26	30.8	FALSE
9/2/17 19:30	3.6	187	25.6	30.8	FALSE
9/2/17 19:45	3.5	182	25.2	30.8	FALSE
9/2/17 20:00	3.1	183	24.7	30.8	FALSE
9/2/17 20:15	2.9	185	24.3	30.8	FALSE
9/2/17 20:30	1.9	178	23.9	30.8	FALSE
9/2/17 20:45	1.9	176	23.5	30.8	FALSE
9/2/17 21:00	2.2	177	22.9	30.8	FALSE
9/2/17 21:15	3.4	192	23	30.8	FALSE
9/2/17 21:30	2.3	184	22.8	30.8	FALSE
9/2/17 21:45	1.8	187	22.3	30.8	FALSE
9/2/17 22:00	3.2	190	22	30.8	FALSE
9/2/17 22:15	3.3	190	22.1	30.8	FALSE
9/2/17 22:30	2.7	182	22	30.8	FALSE
9/2/17 22:45	2.3	179	21.8	30.8	FALSE
9/2/17 23:00	2.9	195	21.4	30.8	FALSE
9/2/17 23:15	2.7	190	21.3	30.8	FALSE
9/2/17 23:30	2.6	183	21.2	30.8	FALSE
9/2/17 23:45	2.6	193	21	30.8	FALSE
9/3/17 0:00	3.5	198	20.6	30.8	FALSE
9/3/17 0:15	3.4	196	20.4	30.8	FALSE
9/3/17 0:30	3.1	186	20.4	30.8	FALSE
9/3/17 0:45	3.9	191	20.3	30.8	FALSE

9/3/17 1:00	3.9	196	20.1	30.8	FALSE
9/3/17 1:15	4.2	191	20.1	30.8	FALSE
9/3/17 1:30	3.4	186	19.9	30.8	FALSE
9/3/17 1:45	4.1	195	19.8	30.8	FALSE
9/3/17 2:00	4.1	189	19.8	30.8	FALSE
9/3/17 2:15	4.1	187	20	30.8	FALSE
9/3/17 2:30	4	190	20	30.8	FALSE
9/3/17 2:45	4.8	192	20	30.8	FALSE
9/3/17 3:00	4.3	192	19.8	30.8	FALSE
9/3/17 3:15	4.6	191	19.7	30.8	FALSE
9/3/17 3:30	4.6	187	19.8	30.8	FALSE
9/3/17 3:45	4	183	19.7	30.8	FALSE
9/3/17 4:00	4.3	184	19.6	30.8	FALSE
9/3/17 4:15	4.9	191	19.4	30.8	FALSE
9/3/17 4:30	4.7	185	19.3	30.8	FALSE
9/3/17 4:45	4.5	189	19.3	30.8	FALSE
9/3/17 5:00	4.3	194	19.2	30.8	FALSE
9/3/17 5:15	2.8	189	19.1	30.8	FALSE
9/3/17 5:30	3.5	190	19.2	30.8	FALSE
9/3/17 5:45	1.8	227	19.4	30.8	FALSE
9/3/17 6:00	3.9	199	19.4	30.8	FALSE
9/3/17 6:15	2.6	178	19.4	30.8	FALSE
9/3/17 6:30	2	183	19.4	30.8	FALSE
9/3/17 6:45	2.4	186	19.4	30.8	FALSE
9/3/17 7:00	1.3	148	19.1	30.8	FALSE
9/3/17 7:15	1.7	169	19.1	30.8	FALSE
9/3/17 7:30	2.3	180	19.2	30.8	FALSE
9/3/17 7:45	4	194	19.6	30.8	FALSE
9/3/17 8:00	4	194	20	30.8	FALSE
9/3/17 8:15	4.5	193	20.4	30.8	FALSE
9/3/17 8:30	5.1	194	20.8	30.8	FALSE
9/3/17 8:45	3.7	199	21.3	30.8	FALSE
9/3/17 9:00	3.7	212	21.3	30.8	FALSE
9/3/17 9:15	3.2	202	22	30.8	FALSE
9/3/17 9:30	3.4	207	22.8	30.8	FALSE
9/3/17 9:45	3.4	197	23.4	30.8	FALSE
9/3/17 10:00	2.6	245	23.8	30.8	FALSE
9/3/17 10:15	3.1	248	24.6	30.8	FALSE
9/3/17 10:30	3.2	329	25.3	30.8	FALSE
9/3/17 10:45	4	335	25.3	30.8	FALSE
9/3/17 11:00	4	342	25.4	30.8	FALSE
9/3/17 11:15	5.1	347	25.8	30.8	FALSE
9/3/17 11:30	3.8	41	26.5	30.8	FALSE
9/3/17 11:45	3.7	39	26.6	30.8	FALSE
9/3/17 12:00	3.5	7	27.4	30.8	FALSE
9/3/17 12:15	3.5	14	28	30.8	FALSE
9/3/17 12:30	4.1	16	27.9	30.8	FALSE

9/3/17 12:45	3.8	340	28.8	30.8	FALSE
9/3/17 13:00	4.2	347	28.6	30.8	FALSE
9/3/17 13:15	4.2	8	28.7	30.8	FALSE
9/3/17 13:30	4.6	13	29.3	30.8	FALSE
9/3/17 13:45	5.6	353	28.8	30.8	FALSE
9/3/17 14:00	4.3	3	28.5	30.8	FALSE
9/3/17 14:15	3.7	16	28.8	30.8	FALSE
9/3/17 14:30	3.8	341	29.6	30.8	FALSE
9/3/17 14:45	3.3	4	29.8	30.8	FALSE
9/3/17 15:00	4.9	335	30.3	30.8	FALSE
9/3/17 15:15	4.2	327	30	30.8	FALSE
9/3/17 15:30	4	335	29.6	30.8	FALSE
9/3/17 15:45	3.9	26	29.9	30.8	FALSE
9/3/17 16:00	4.2	6	30.5	30.8	FALSE
9/3/17 16:15	5.4	353	30.5	30.8	FALSE
9/3/17 16:30	4.6	15	30.5	30.8	FALSE
9/3/17 16:45	3.7	341	31.1	30.8	FALSE
9/3/17 17:00	3.5	15	31.5	30.8	FALSE
9/3/17 17:15	4.2	18	31.2	30.8	FALSE
9/3/17 17:30	4.7	16	30.8	30.8	FALSE
9/3/17 17:45	4.4	9	30.9	30.8	FALSE
9/3/17 18:00	4.4	16	30.7	30.8	FALSE
9/3/17 18:15	3.7	19	30.4	30.8	FALSE
9/3/17 18:30	4	17	30.2	30.8	FALSE
9/3/17 18:45	3.8	10	29.7	30.8	FALSE
9/3/17 19:00	3.8	16	29.4	30.8	FALSE
9/3/17 19:15	3.9	21	28.8	30.8	FALSE
9/3/17 19:30	3.5	17	28.3	30.8	FALSE
9/3/17 19:45	3	28	27.6	30.8	FALSE
9/3/17 20:00	2	54	26.6	30.8	FALSE
9/3/17 20:15	2.3	66	26.2	30.8	FALSE
9/3/17 20:30	2	61	25.9	30.8	FALSE
9/3/17 20:45	1.7	67	25.7	30.8	FALSE
9/3/17 21:00	0.9	100	25.2	30.8	1
9/3/17 21:15	1.2	84	25	30.8	FALSE
9/3/17 21:30	1.5	72	24.8	30.8	FALSE
9/3/17 21:45	0.9	45	24.1	30.8	1
9/3/17 22:00	0.7	26	23.3	30.8	1
9/3/17 22:15	0.9	109	23	30.8	1
9/3/17 22:30	0.9	112	23.5	30.8	1
9/3/17 22:45	0.7	201	23.1	30.8	1
9/3/17 23:00	0.9	167	23	30.8	1
9/3/17 23:15	1	232	22.7	30.8	1
9/3/17 23:30	0.6	197	22.6	30.8	1
9/3/17 23:45	0.7	35	22.2	30.8	1
9/4/17 0:00	0.9	342	21.8	30.8	1
9/4/17 0:15	1.3	177	21.7	30.8	FALSE



9/4/17 0:30	0.8	88	21.6	30.8	1
9/4/17 0:45	0.8	22	21.2	30.8	1
9/4/17 1:00	0.8	23	20.8	30.8	1
9/4/17 1:15	0.6	64	20.6	30.8	1
9/4/17 1:30	0.7	45	20.6	30.8	1
9/4/17 1:45	0.8	44	20.4	30.8	1
9/4/17 2:00	0.7	88	20.4	30.8	1
9/4/17 2:15	0.6	131	20.5	30.8	1
9/4/17 2:30	0.9	53	20.6	30.8	1
9/4/17 2:45	0.7	66	20.5	30.8	1
9/4/17 3:00	0.6	162	20.7	30.8	1
9/4/17 3:15	1.3	164	20.7	30.8	FALSE
9/4/17 3:30	1.5	192	20.3	30.8	FALSE
9/4/17 3:45	2.3	201	20	30.8	FALSE
9/4/17 4:00	2.7	187	20.4	30.8	FALSE
9/4/17 4:15	2.8	185	20.6	30.8	FALSE
9/4/17 4:30	2.8	189	20.5	30.8	FALSE
9/4/17 4:45	3.4	189	20.5	30.8	FALSE
9/4/17 5:00	3.3	185	20.6	30.8	FALSE
9/4/17 5:15	3.1	179	20.6	30.8	FALSE
9/4/17 5:30	3.2	179	20.6	30.8	FALSE
9/4/17 5:45	3.1	180	20.5	30.8	FALSE
9/4/17 6:00	2.9	176	20.5	30.8	FALSE
9/4/17 6:15	3	167	20.5	30.8	FALSE
9/4/17 6:30	3.8	168	20.8	30.8	FALSE
9/4/17 6:45	4	164	21	30.7	FALSE
9/4/17 7:00	4.5	164	21.1	30.7	FALSE
9/4/17 7:15	5	172	21.2	30.7	FALSE
9/4/17 7:30	5.8	176	21.4	30.7	FALSE
9/4/17 7:45	6.9	179	21.7	30.7	FALSE
9/4/17 8:00	6.3	178	22	30.7	FALSE
9/4/17 8:15	6.6	184	22.3	30.7	FALSE
9/4/17 8:30	5.6	183	22.7	30.7	FALSE
9/4/17 8:45	5.9	179	23.2	30.7	FALSE
9/4/17 9:00	7	187	23.7	30.7	FALSE
9/4/17 9:15	6.8	203	24.2	30.7	FALSE
9/4/17 9:30	9.9	195	24.6	30.7	FALSE
9/4/17 9:45	9	203	25.3	30.7	FALSE
9/4/17 10:00	10.9	215	25.7	30.7	FALSE
9/4/17 10:15	12	207	26.2	30.7	FALSE
9/4/17 10:30	10.4	198	26.8	30.7	FALSE
9/4/17 10:45	14	204	27	30.7	FALSE
9/4/17 11:00	14.6	206	27.3	30.7	FALSE
9/4/17 11:15	14.2	203	27.7	30.7	FALSE
9/4/17 11:30	13.8	205	28.2	30.7	FALSE
9/4/17 11:45	12.3	203	29	30.7	FALSE
9/4/17 12:00	12.7	203	29.3	30.7	FALSE

9/4/17 12:15	12.3	198	29.8	30.7	FALSE
9/4/17 12:30	14	206	30.1	30.7	FALSE
9/4/17 12:45	13.9	203	30.6	30.7	FALSE
9/4/17 13:00	15.4	197	30.8	30.7	FALSE
9/4/17 13:15	13.4	205	31.5	30.7	FALSE
9/4/17 13:30	14.7	197	31.7	30.7	FALSE
9/4/17 13:45	14.4	200	32	30.7	FALSE
9/4/17 14:00	15.9	204	32.3	30.7	FALSE
9/4/17 14:15	15.6	200	32.5	30.7	FALSE
9/4/17 14:30	14.5	199	32.8	30.7	FALSE
9/4/17 14:45	16.3	207	32.8	30.7	FALSE
9/4/17 15:00	14.2	203	33.2	30.7	FALSE
9/4/17 15:15	14.7	201	33.3	30.7	FALSE
9/4/17 15:30	13.5	198	33.5	30.7	FALSE
9/4/17 15:45	15.3	197	33.4	30.7	FALSE
9/4/17 16:00	13.1	191	33.6	30.7	FALSE
9/4/17 16:15	13.4	199	33.7	30.7	FALSE
9/4/17 16:30	13.1	205	33.6	30.7	FALSE
9/4/17 16:45	13.5	204	33.6	30.7	FALSE
9/4/17 17:00	13.6	205	33.4	30.7	FALSE
9/4/17 17:15	13.5	202	33.2	30.7	FALSE
9/4/17 17:30	14.1	203	33.2	30.7	FALSE
9/4/17 17:45	11.8	206	33	30.7	FALSE
9/4/17 18:00	12.1	202	32.8	30.7	FALSE
9/4/17 18:15	13.9	204	32.4	30.7	FALSE
9/4/17 18:30	13.2	202	32.3	30.7	FALSE
9/4/17 18:45	13	207	32.2	30.7	FALSE
9/4/17 19:00	10.2	212	32	30.7	FALSE
9/4/17 19:15	11.7	241	31.8	30.7	FALSE
9/4/17 19:30	12.6	291	27.3	30.7	FALSE
9/4/17 19:45	9.9	309	25.4	30.7	FALSE
9/4/17 20:00	7.4	308	25	30.7	FALSE
9/4/17 20:15	4.6	262	25	30.7	FALSE
9/4/17 20:30	7.5	219	24.5	30.7	FALSE
9/4/17 20:45	8.1	215	24.7	30.7	FALSE
9/4/17 21:00	5.3	229	24.1	30.7	FALSE
9/4/17 21:15	4.4	285	24.2	30.7	FALSE
9/4/17 21:30	9.2	342	24.6	30.7	FALSE
9/4/17 21:45	7.4	329	24.6	30.7	FALSE
9/4/17 22:00	9	333	24.3	30.7	FALSE
9/4/17 22:15	9.1	321	24.1	30.7	FALSE
9/4/17 22:30	7.3	330	23.9	30.7	FALSE
9/4/17 22:45	6.1	321	23.5	30.7	FALSE
9/4/17 23:00	6.8	315	23.3	30.7	FALSE
9/4/17 23:15	6.9	319	23.1	30.7	FALSE
9/4/17 23:30	8.5	323	23	30.7	FALSE
9/4/17 23:45	10.6	334	22.7	30.7	FALSE

9/5/17 0:00	11.6	334	22.2	30.7	FALSE
9/5/17 0:15	10.9	332	21.9	30.7	FALSE
9/5/17 0:30	7.8	330	21.3	30.7	FALSE
9/5/17 0:45	5.3	328	21	30.8	FALSE
9/5/17 1:00	5	309	20.7	30.8	FALSE
9/5/17 1:15	6.4	315	20.8	30.8	FALSE
9/5/17 1:30	5.3	300	20.7	30.8	FALSE
9/5/17 1:45	5.8	296	20.6	30.8	FALSE
9/5/17 2:00	5.9	302	20.4	30.8	FALSE
9/5/17 2:15	6	298	20.3	30.8	FALSE
9/5/17 2:30	6.5	290	20.3	30.8	FALSE
9/5/17 2:45	6.8	284	20.1	30.8	FALSE
9/5/17 3:00	5.7	284	19.7	30.8	FALSE
9/5/17 3:15	6.3	290	19.4	30.8	FALSE
9/5/17 3:30	5.3	286	19.3	30.8	FALSE
9/5/17 3:45	6.7	286	19.3	30.8	FALSE
9/5/17 4:00	6.9	289	19.2	30.8	FALSE
9/5/17 4:15	7	288	19.2	30.8	FALSE
9/5/17 4:30	5.7	282	18.9	30.8	FALSE
9/5/17 4:45	6.5	294	18.7	30.8	FALSE
9/5/17 5:00	5.4	290	18.6	30.8	FALSE
9/5/17 5:15	6.4	304	18.6	30.8	FALSE
9/5/17 5:30	7.2	300	18.5	30.8	FALSE
9/5/17 5:45	7.9	298	18.4	30.8	FALSE
9/5/17 6:00	5.7	298	18.1	30.8	FALSE
9/5/17 6:15	6.3	305	17.9	30.8	FALSE
9/5/17 6:30	7.5	306	17.8	30.8	FALSE
9/5/17 6:45	7.8	308	17.6	30.8	FALSE
9/5/17 7:00	8	307	17.4	30.8	FALSE
9/5/17 7:15	6.9	309	17.2	30.8	FALSE
9/5/17 7:30	6.8	309	17.1	30.8	FALSE
9/5/17 7:45	7	313	16.9	30.8	FALSE
9/5/17 8:00	7.4	310	16.9	30.8	FALSE
9/5/17 8:15	4.8	302	17.2	30.8	FALSE
9/5/17 8:30	6.3	305	17.5	30.8	FALSE
9/5/17 8:45	7.6	307	17.6	30.8	FALSE
9/5/17 9:00	7.9	315	17.8	30.8	FALSE
9/5/17 9:15	7	306	18.3	30.8	FALSE
9/5/17 9:30	9.4	310	18.8	30.8	FALSE
9/5/17 9:45	9.4	318	19.3	30.8	FALSE
9/5/17 10:00	9.4	313	19.6	30.8	FALSE
9/5/17 10:15	10.1	315	20	30.8	FALSE
9/5/17 10:30	9.8	313	20.2	30.8	FALSE
9/5/17 10:45	9.9	277	20.4	30.8	FALSE
9/5/17 11:00	10.4	283	20.4	30.8	FALSE
9/5/17 11:15	10.8	274	20.8	30.8	FALSE
9/5/17 11:30	9.7	293	21.5	30.8	FALSE

9/5/17 11:45	12.4	289	21.5	30.8	FALSE
9/5/17 12:00	11.7	296	22	30.8	FALSE
9/5/17 12:15	13.1	276	22.2	30.8	FALSE
9/5/17 12:30	14.4	281	22.3	30.8	FALSE
9/5/17 12:45	11.1	292	22.4	30.8	FALSE
9/5/17 13:00	11.2	289	22.8	30.8	FALSE
9/5/17 13:15	13	301	22.6	30.8	FALSE
9/5/17 13:30	12.7	296	22.5	30.8	FALSE
9/5/17 13:45	12	292	22.7	30.8	FALSE
9/5/17 14:00	13.2	294	22.2	30.8	FALSE
9/5/17 14:15	12.8	273	22.8	30.8	FALSE
9/5/17 14:30	13.9	276	22.9	30.8	FALSE
9/5/17 14:45	12.5	294	22.9	30.8	FALSE
9/5/17 15:00	11.8	292	23	30.8	FALSE
9/5/17 15:15	14.2	295	23.4	30.8	FALSE
9/5/17 15:30	14.2	284	22.9	30.8	FALSE
9/5/17 15:45	12.9	293	22.7	30.8	FALSE
9/5/17 16:00	11.9	290	22.7	30.8	FALSE
9/5/17 16:15	13.9	303	22.9	30.8	FALSE
9/5/17 16:30	13.4	305	23	30.8	FALSE
9/5/17 16:45	12.3	289	23	30.8	FALSE
9/5/17 17:00	12.3	286	23.2	30.8	FALSE
9/5/17 17:15	13.1	290	22.9	30.8	FALSE
9/5/17 17:30	10.1	291	22.6	30.8	FALSE
9/5/17 17:45	7.4	298	22.2	30.8	FALSE
9/5/17 18:00	9.1	302	22.1	30.8	FALSE
9/5/17 18:15	9.9	307	22.5	30.8	FALSE
9/5/17 18:30	11.5	310	22.2	30.8	FALSE
9/5/17 18:45	11.2	306	22.2	30.8	FALSE
9/5/17 19:00	9.1	307	21.8	30.8	FALSE
9/5/17 19:15	9.2	308	21.4	30.8	FALSE
9/5/17 19:30	8.3	310	21	30.8	FALSE
9/5/17 19:45	7.5	315	20.6	30.8	FALSE
9/5/17 20:00	7.2	310	20.2	30.8	FALSE
9/5/17 20:15	5.9	310	19.9	30.8	FALSE
9/5/17 20:30	6.3	310	19.6	30.8	FALSE
9/5/17 20:45	6.3	310	19.3	30.8	FALSE
9/5/17 21:00	5.7	312	19.1	30.8	FALSE
9/5/17 21:15	6.3	309	18.8	30.8	FALSE
9/5/17 21:30	4.8	308	18.7	30.8	FALSE
9/5/17 21:45	4.6	303	18.6	30.8	FALSE
9/5/17 22:00	4	306	18.3	30.8	FALSE
9/5/17 22:15	3.8	303	17.8	30.8	FALSE
9/5/17 22:30	3.3	314	17.2	30.8	FALSE
9/5/17 22:45	2.2	347	17	30.8	FALSE
9/5/17 23:00	2.2	337	16.9	30.8	FALSE
9/5/17 23:15	2	339	16.9	30.8	FALSE

9/5/17 23:30	1.9	338	16.7	30.8	FALSE
9/5/17 23:45	3.1	295	16.8	30.8	FALSE
9/6/17 0:00	2.9	271	16.8	30.8	FALSE
9/6/17 0:15	2.5	266	16.2	30.8	FALSE
9/6/17 0:30	2	260	15.6	30.8	FALSE
9/6/17 0:45	2.5	259	15.7	30.8	FALSE
9/6/17 1:00	2.2	225	15.4	30.8	FALSE
9/6/17 1:15	2.9	215	14.8	30.8	FALSE
9/6/17 1:30	3.6	229	15.1	30.8	FALSE
9/6/17 1:45	4.1	223	15.2	30.8	FALSE
9/6/17 2:00	3.1	194	14.6	30.8	FALSE
9/6/17 2:15	4.2	222	14.5	30.8	FALSE
9/6/17 2:30	4.8	226	14.7	30.8	FALSE
9/6/17 2:45	4.9	239	14.8	30.8	FALSE
9/6/17 3:00	4.9	235	14.7	30.8	FALSE
9/6/17 3:15	4.6	236	14.5	30.8	FALSE
9/6/17 3:30	4.9	239	14.4	30.8	FALSE
9/6/17 3:45	4.9	238	14.2	30.8	FALSE
9/6/17 4:00	5.1	254	13.9	30.8	FALSE
9/6/17 4:15	5.8	256	13.6	30.8	FALSE
9/6/17 4:30	4.4	259	13.3	30.8	FALSE
9/6/17 4:45	2.7	236	13.2	30.8	FALSE
9/6/17 5:00	3.7	243	12.9	30.8	FALSE
9/6/17 5:15	4.2	244	12.7	30.8	FALSE
9/6/17 5:30	5.2	242	12.4	30.8	FALSE
9/6/17 5:45	4.4	241	12.2	30.8	FALSE
9/6/17 6:00	4.5	238	12.1	30.8	FALSE
9/6/17 6:15	5.3	247	12	30.8	FALSE
9/6/17 6:30	4.1	247	11.9	30.8	FALSE
9/6/17 6:45	3.9	237	11.8	30.8	FALSE
9/6/17 7:00	3.8	248	11.6	30.8	FALSE
9/6/17 7:15	4	239	11.5	30.8	FALSE
9/6/17 7:30	2.9	256	11.7	30.8	FALSE
9/6/17 7:45	5.3	270	11.8	30.8	FALSE
9/6/17 8:00	4.6	258	12.1	30.8	FALSE
9/6/17 8:15	4.4	267	12.6	30.8	FALSE
9/6/17 8:30	5	255	13	30.8	FALSE
9/6/17 8:45	4.4	266	13.5	30.8	FALSE
9/6/17 9:00	5.7	262	13.9	30.8	FALSE
9/6/17 9:15	6.1	288	14.4	30.8	FALSE
9/6/17 9:30	6.5	300	14.7	30.8	FALSE
9/6/17 9:45	7.3	297	15	30.8	FALSE
9/6/17 10:00	8.4	289	15	30.8	FALSE
9/6/17 10:15	7	298	16	30.8	FALSE
9/6/17 10:30	9.1	295	16.6	30.8	FALSE
9/6/17 10:45	8.1	276	17	30.8	FALSE
9/6/17 11:00	8.5	285	17.6	30.8	FALSE

9/6/17 11:15	11	275	17.6	30.8	FALSE
9/6/17 11:30	12.8	283	17.8	30.8	FALSE
9/6/17 11:45	12.1	311	18.3	30.8	FALSE
9/6/17 12:00	12.4	285	18.5	30.8	FALSE
9/6/17 12:15	13.9	286	18.5	30.8	FALSE
9/6/17 12:30	12.8	301	18.6	30.8	FALSE
9/6/17 12:45	12.9	288	18.6	30.8	FALSE
9/6/17 13:00	12.3	297	18.9	30.8	FALSE
9/6/17 13:15	13.1	300	19	30.8	FALSE
9/6/17 13:30	13.2	299	19.1	30.8	FALSE
9/6/17 13:45	12	315	19.4	30.8	FALSE
9/6/17 14:00	12.8	298	19.9	30.8	FALSE
9/6/17 14:15	12.4	316	19.6	30.8	FALSE
9/6/17 14:30	12.2	317	19.1	30.8	FALSE
9/6/17 14:45	12.7	317	19.1	30.8	FALSE
9/6/17 15:00	12.1	314	19.7	30.8	FALSE
9/6/17 15:15	11.6	316	19.2	30.8	FALSE
9/6/17 15:30	12.1	312	19.2	30.8	FALSE
9/6/17 15:45	10.6	307	20.1	30.8	FALSE
9/6/17 16:00	12.8	305	20	30.8	FALSE
9/6/17 16:15	12.8	314	19.3	30.8	FALSE
9/6/17 16:30	9.3	297	19.6	30.8	FALSE
9/6/17 16:45	11.3	318	19.4	30.8	FALSE
9/6/17 17:00	10.4	319	19.1	30.8	FALSE
9/6/17 17:15	10.4	305	19.5	30.8	FALSE
9/6/17 17:30	10.5	301	19.9	30.8	FALSE
9/6/17 17:45	11.7	320	19.8	30.8	FALSE
9/6/17 18:00	10.5	325	19.6	30.8	FALSE
9/6/17 18:15	10.3	325	19.6	30.8	FALSE
9/6/17 18:30	9.3	330	19.4	30.8	FALSE
9/6/17 18:45	7.6	331	19.2	30.8	FALSE
9/6/17 19:00	7.1	323	19	30.8	FALSE
9/6/17 19:15	5.8	329	18.6	30.8	FALSE
9/6/17 19:30	5.3	326	18.1	30.8	FALSE
9/6/17 19:45	4.9	323	17.7	30.8	FALSE
9/6/17 20:00	4.2	327	17.4	30.8	FALSE
9/6/17 20:15	3.3	321	17	30.8	FALSE
9/6/17 20:30	2.7	331	16.7	30.8	FALSE
9/6/17 20:45	2	7	16.3	30.8	FALSE
9/6/17 21:00	1.4	18	15.7	30.8	FALSE
9/6/17 21:15	2.5	29	15.5	30.8	FALSE
9/6/17 21:30	1	70	15.1	30.8	1
9/6/17 21:45	0.6	96	14.4	30.8	1
9/6/17 22:00	0.7	62	14	30.8	1
9/6/17 22:15	0.6	122	13.8	30.8	1
9/6/17 22:30	0.9	108	13.9	30.8	1
9/6/17 22:45	1.3	164	14.2	30.8	FALSE

9/6/17 23:00	1.2	135	14.1	30.8	FALSE
9/6/17 23:15	2.1	180	14.1	30.8	FALSE
9/6/17 23:30	2.9	181	14	30.8	FALSE
9/6/17 23:45	4.3	187	13.7	30.8	FALSE
9/7/17 0:00	2.3	174	13.4	30.8	FALSE
9/7/17 0:15	0.8	148	13	30.8	1
9/7/17 0:30	1.6	178	12.8	30.8	FALSE
9/7/17 0:45	1.4	172	12.9	30.8	FALSE
9/7/17 1:00	1.1	158	12.8	30.8	FALSE
9/7/17 1:15	1.5	173	12.7	30.8	FALSE
9/7/17 1:30	2.7	182	12.8	30.8	FALSE
9/7/17 1:45	2.8	183	12.8	30.8	FALSE
9/7/17 2:00	2.4	182	12.7	30.8	FALSE
9/7/17 2:15	2.1	180	12.5	30.8	FALSE
9/7/17 2:30	2	187	12.3	30.8	FALSE
9/7/17 2:45	2.7	188	12.2	30.8	FALSE
9/7/17 3:00	3.8	191	12.1	30.8	FALSE
9/7/17 3:15	2.7	190	12.1	30.8	FALSE
9/7/17 3:30	3.4	189	12	30.8	FALSE
9/7/17 3:45	2.1	174	12	30.8	FALSE
9/7/17 4:00	2.9	179	11.9	30.8	FALSE
9/7/17 4:15	1.7	176	11.7	30.8	FALSE
9/7/17 4:30	1	146	11.4	30.8	1
9/7/17 4:45	2.1	186	11.4	30.8	FALSE
9/7/17 5:00	3.1	187	11.3	30.8	FALSE
9/7/17 5:15	2.9	189	11.4	30.8	FALSE
9/7/17 5:30	3.5	188	11.3	30.8	FALSE
9/7/17 5:45	4.1	188	11.4	30.8	FALSE
9/7/17 6:00	1.9	166	11.2	30.8	FALSE
9/7/17 6:15	2.2	180	11	30.8	FALSE
9/7/17 6:30	3	186	11	30.8	FALSE
9/7/17 6:45	3.5	188	11.1	30.8	FALSE
9/7/17 7:00	3.2	192	11.1	30.8	FALSE
9/7/17 7:15	4	193	11.1	30.8	FALSE
9/7/17 7:30	4.8	195	11.3	30.8	FALSE
9/7/17 7:45	4.3	194	11.9	30.8	FALSE
9/7/17 8:00	4.8	192	12.2	30.8	FALSE
9/7/17 8:15	4.2	190	12.8	30.8	FALSE
9/7/17 8:30	5	195	13.1	30.8	FALSE
9/7/17 8:45	6	195	13.4	30.8	FALSE
9/7/17 9:00	4.3	200	14	30.8	FALSE
9/7/17 9:15	4.1	198	14.7	30.8	FALSE
9/7/17 9:30	3.3	205	15.6	30.8	FALSE
9/7/17 9:45	3.8	197	16.5	30.8	FALSE
9/7/17 10:00	3.3	192	17.3	30.8	FALSE
9/7/17 10:15	4.2	189	18	30.8	FALSE
9/7/17 10:30	5.6	197	18.3	30.8	FALSE

9/7/17 10:45	6.4	201	18.7	30.8	FALSE
9/7/17 11:00	6	197	19.3	30.8	FALSE
9/7/17 11:15	6	194	19.9	30.8	FALSE
9/7/17 11:30	6.3	209	20.4	30.8	FALSE
9/7/17 11:45	6	197	20.9	30.8	FALSE
9/7/17 12:00	6.3	204	21.2	30.8	FALSE
9/7/17 12:15	6.1	214	21.7	30.8	FALSE
9/7/17 12:30	6.9	214	21.7	30.8	FALSE
9/7/17 12:45	8	207	21.8	30.8	FALSE
9/7/17 13:00	5.3	231	21.4	30.8	FALSE
9/7/17 13:15	5.7	224	21.6	30.8	FALSE
9/7/17 13:30	5.3	208	22.2	30.8	FALSE
9/7/17 13:45	6.8	208	22.5	30.8	FALSE
9/7/17 14:00	6.1	220	22.2	30.8	FALSE
9/7/17 14:15	5.6	242	22.3	30.8	FALSE
9/7/17 14:30	5.4	239	22.4	30.8	FALSE
9/7/17 14:45	6.3	271	22.6	30.8	FALSE
9/7/17 15:00	6	274	23.1	30.8	FALSE
9/7/17 15:15	6.8	260	23.1	30.8	FALSE
9/7/17 15:30	5.2	267	23.4	30.8	FALSE
9/7/17 15:45	5.3	251	24.1	30.8	FALSE
9/7/17 16:00	7.5	218	24	30.8	FALSE
9/7/17 16:15	6	236	24	30.8	FALSE
9/7/17 16:30	5.8	286	24.2	30.8	FALSE
9/7/17 16:45	6.2	244	23.8	30.8	FALSE
9/7/17 17:00	6	256	23.3	30.8	FALSE
9/7/17 17:15	4	247	23.5	30.8	FALSE
9/7/17 17:30	4.6	255	23.8	30.8	FALSE
9/7/17 17:45	4.7	267	23.7	30.8	FALSE
9/7/17 18:00	5.1	277	23.9	30.8	FALSE
9/7/17 18:15	5.2	285	23.9	30.8	FALSE
9/7/17 18:30	4.2	292	24.1	30.8	FALSE
9/7/17 18:45	3.7	292	24	30.8	FALSE
9/7/17 19:00	3.8	290	23.7	30.8	FALSE
9/7/17 19:15	3.7	285	23.3	30.8	FALSE
9/7/17 19:30	2.6	305	22.9	30.8	FALSE
9/7/17 19:45	2	27	21.7	30.8	FALSE
9/7/17 20:00	1.6	47	20.8	30.8	FALSE
9/7/17 20:15	0.9	84	19.8	30.8	1
9/7/17 20:30	0.9	71	19.5	30.8	1
9/7/17 20:45	1.3	50	18.9	30.8	FALSE
9/7/17 21:00	0.9	63	18.4	30.8	1
9/7/17 21:15	0.6	80	18	30.8	1
9/7/17 21:30	0.7	52	17.6	30.8	1
9/7/17 21:45	0.9	126	17.5	30.8	1
9/7/17 22:00	1.2	141	17.7	30.8	FALSE
9/7/17 22:15	0.6	118	17.3	30.8	1



9/7/17 22:30	0.8	115	17.2	30.8	1
9/7/17 22:45	1.4	151	17.3	30.8	FALSE
9/7/17 23:00	0.8	97	16.9	30.8	1
9/7/17 23:15	0.6	130	16.4	30.8	1
9/7/17 23:30	1	27	15.8	30.8	1
9/7/17 23:45	1	49	15.8	30.8	1
9/8/17 0:00	1.1	28	15.4	30.8	FALSE
9/8/17 0:15	0.9	41	15	30.8	1
9/8/17 0:30	0.6	69	14.7	30.8	1
9/8/17 0:45	0.9	32	14.5	30.8	1
9/8/17 1:00	1.2	22	14.1	30.8	FALSE
9/8/17 1:15	0.6	125	13.9	30.8	1
9/8/17 1:30	1.6	63	14.3	30.8	FALSE
9/8/17 1:45	1.1	130	14.6	30.8	FALSE
9/8/17 2:00	1	171	14.4	30.8	1
9/8/17 2:15	1.3	174	14.5	30.8	FALSE
9/8/17 2:30	0.9	184	14.5	30.8	1
9/8/17 2:45	0.6	86	14.1	30.8	1
9/8/17 3:00	0.7	55	13.7	30.8	1
9/8/17 3:15	0.9	56	13.3	30.8	1
9/8/17 3:30	1.1	85	13.2	30.8	FALSE
9/8/17 3:45	0.8	137	13.5	30.8	1
9/8/17 4:00	1.2	196	13.5	30.8	FALSE
9/8/17 4:15	0.9	88	13.5	30.8	1
9/8/17 4:30	1	80	13.1	30.8	1
9/8/17 4:45	1	73	12.7	30.8	1
9/8/17 5:00	0.7	100	12.4	30.8	1
9/8/17 5:15	0.7	110	12.3	30.8	1
9/8/17 5:30	0.6	92	12.5	30.8	1
9/8/17 5:45	0.8	128	12.4	30.8	1
9/8/17 6:00	1.4	168	12.7	30.8	FALSE
9/8/17 6:15	1.3	163	12.8	30.8	FALSE
9/8/17 6:30	0.8	144	12.9	30.8	1
9/8/17 6:45	0.7	141	12.7	30.8	1
9/8/17 7:00	1.2	164	12.6	30.8	FALSE
9/8/17 7:15	0.7	115	12.6	30.8	1
9/8/17 7:30	1.2	189	13.1	30.9	FALSE
9/8/17 7:45	1.6	154	14	30.9	FALSE
9/8/17 8:00	1.4	150	15	30.9	FALSE
9/8/17 8:15	1.6	156	15.9	30.9	FALSE
9/8/17 8:30	1.5	169	16.7	30.9	FALSE
9/8/17 8:45	1.2	181	17.9	30.9	FALSE
9/8/17 9:00	0.6	301	19.3	30.9	1
9/8/17 9:15	1.3	326	20.8	30.9	FALSE
9/8/17 9:30	3.8	219	19.6	30.9	FALSE
9/8/17 9:45	2.9	195	19.7	30.9	FALSE
9/8/17 10:00	3.4	209	20.4	30.9	FALSE

9/8/17 10:15	3.7	201	20.8	30.9	FALSE
9/8/17 10:30	3.7	213	21.3	30.9	FALSE
9/8/17 10:45	3.7	191	22.1	30.9	FALSE
9/8/17 11:00	3.7	213	23	30.9	FALSE
9/8/17 11:15	4.2	204	23.5	30.9	FALSE
9/8/17 11:30	4.4	218	24.4	30.9	FALSE
9/8/17 11:45	3.6	168	25.1	30.9	FALSE
9/8/17 12:00	3.9	189	26	30.9	FALSE
9/8/17 12:15	3.2	164	25.9	30.9	FALSE
9/8/17 12:30	3.7	253	26.3	30.9	FALSE
9/8/17 12:45	4.2	200	26.4	30.9	FALSE
9/8/17 13:00	4.7	204	26.6	30.9	FALSE
9/8/17 13:15	3.5	2	27.1	30.9	FALSE
9/8/17 13:30	5.7	208	26.8	30.9	FALSE
9/8/17 13:45	5.3	176	26.7	30.9	FALSE
9/8/17 14:00	5.5	273	27	30.8	FALSE
9/8/17 14:15	5.3	192	27.2	30.8	FALSE
9/8/17 14:30	4.7	204	27.9	30.8	FALSE
9/8/17 14:45	4	276	27.9	30.8	FALSE
9/8/17 15:00	4	135	28.7	30.8	FALSE
9/8/17 15:15	3.1	116	28.7	30.8	FALSE
9/8/17 15:30	3.8	357	29.1	30.8	FALSE
9/8/17 15:45	4.8	349	28.7	30.8	FALSE
9/8/17 16:00	6.2	286	28.5	30.8	FALSE
9/8/17 16:15	4.9	275	28.3	30.8	FALSE
9/8/17 16:30	5.8	315	28.7	30.8	FALSE
9/8/17 16:45	3.9	353	28.9	30.8	FALSE
9/8/17 17:00	3.8	328	29	30.8	FALSE
9/8/17 17:15	5.3	311	28.8	30.8	FALSE
9/8/17 17:30	5.8	316	28.4	30.8	FALSE
9/8/17 17:45	6.3	319	28	30.8	FALSE
9/8/17 18:00	5.8	13	28	30.8	FALSE
9/8/17 18:15	6	12	27.7	30.8	FALSE
9/8/17 18:30	5.6	15	27.3	30.8	FALSE
9/8/17 18:45	5.4	14	26.9	30.8	FALSE
9/8/17 19:00	5.3	25	26.5	30.8	FALSE
9/8/17 19:15	4.7	20	26.1	30.8	FALSE
9/8/17 19:30	3.8	20	25.6	30.8	FALSE
9/8/17 19:45	2.1	43	25.1	30.8	FALSE
9/8/17 20:00	2.4	43	24.3	30.8	FALSE
9/8/17 20:15	2.4	56	23.8	30.8	FALSE
9/8/17 20:30	2.6	67	23.8	30.8	FALSE
9/8/17 20:45	3.7	84	24	30.8	FALSE
9/8/17 21:00	3	81	23.7	30.8	FALSE
9/8/17 21:15	3.5	89	23.5	30.8	FALSE
9/8/17 21:30	3.9	79	23.4	30.8	FALSE
9/8/17 21:45	3.4	80	23.1	30.8	FALSE

9/8/17 22:00	3.9	84	22.9	30.8	FALSE
9/8/17 22:15	3.7	86	22.5	30.8	FALSE
9/8/17 22:30	3.6	88	22.4	30.9	FALSE
9/8/17 22:45	2.8	100	22.3	30.9	FALSE
9/8/17 23:00	2.7	104	22.2	30.9	FALSE
9/8/17 23:15	2.6	98	22.1	30.9	FALSE
9/8/17 23:30	3.3	79	22.2	30.9	FALSE
9/8/17 23:45	2.1	70	21.8	30.9	FALSE
9/9/17 0:00	3.1	88	21.7	30.9	FALSE
9/9/17 0:15	2.6	99	21.6	30.9	FALSE
9/9/17 0:30	1.2	104	21.4	30.9	FALSE
9/9/17 0:45	1.9	77	21.2	30.9	FALSE
9/9/17 1:00	2.4	17	20.4	30.9	FALSE
9/9/17 1:15	1.4	76	20.3	30.9	FALSE
9/9/17 1:30	1.6	85	20.1	30.9	FALSE
9/9/17 1:45	1.8	6	19.4	30.9	FALSE
9/9/17 2:00	1.8	326	18.7	30.9	FALSE
9/9/17 2:15	1.8	13	18.9	30.9	FALSE
9/9/17 2:30	1.8	67	18.7	30.9	FALSE
9/9/17 2:45	1.3	103	18.2	30.9	FALSE
9/9/17 3:00	1.3	212	18.3	30.9	FALSE
9/9/17 3:15	1.4	112	18.6	30.9	FALSE
9/9/17 3:30	1.2	100	18.6	30.9	FALSE
9/9/17 3:45	1	12	17.7	30.9	1
9/9/17 4:00	0.6	5	17.6	30.9	1
9/9/17 4:15	2.1	68	17.4	30.9	FALSE
9/9/17 4:30	1.5	37	17.4	30.9	FALSE
9/9/17 4:45	1.4	54	16.5	30.9	FALSE
9/9/17 5:00	1.2	72	16.3	30.9	FALSE
9/9/17 5:15	1	108	16.5	30.9	1
9/9/17 5:30	1.1	156	16.5	30.9	FALSE
9/9/17 5:45	1.5	9	16.7	30.9	FALSE
9/9/17 6:00	0.9	51	16.2	30.9	1
9/9/17 6:15	1	60	15.7	30.9	1
9/9/17 6:30	0.7	70	15.5	30.9	1
9/9/17 6:45	2	31	15.5	30.9	FALSE
9/9/17 7:00	1.1	52	15.4	30.9	FALSE
9/9/17 7:15	0.6	87	15.2	30.9	1
9/9/17 7:30	1.6	155	15.6	30.9	FALSE
9/9/17 7:45	0.9	98	16.7	30.9	1
9/9/17 8:00	0.8	114	18	30.9	1
9/9/17 8:15	1.5	30	19	30.9	FALSE
9/9/17 8:30	2	5	19.6	30.9	FALSE
9/9/17 8:45	2	61	19.5	30.9	FALSE
9/9/17 9:00	2	117	19.6	30.9	FALSE
9/9/17 9:15	2.6	129	21.1	30.9	FALSE
9/9/17 9:30	2.9	197	22	30.9	FALSE

9/9/17 9:45	4.1	189	22.4	30.9	FALSE
9/9/17 10:00	3.5	189	22.8	30.9	FALSE
9/9/17 10:15	4.7	225	23.2	30.9	FALSE
9/9/17 10:30	4.4	201	23.4	30.9	FALSE
9/9/17 10:45	5.8	213	24	30.9	FALSE
9/9/17 11:00	5.2	203	24.1	30.9	FALSE
9/9/17 11:15	5.4	209	24.6	30.9	FALSE
9/9/17 11:30	5.1	203	25.2	30.9	FALSE
9/9/17 11:45	4	164	26.2	30.9	FALSE
9/9/17 12:00	5.2	127	26.9	30.9	FALSE
9/9/17 12:15	5.2	162	27.3	30.9	FALSE
9/9/17 12:30	5.3	146	27.4	30.9	FALSE
9/9/17 12:45	5.8	140	27.7	30.9	FALSE
9/9/17 13:00	4.3	132	28.3	30.9	FALSE
9/9/17 13:15	5	127	28	30.9	FALSE
9/9/17 13:30	6.3	95	28	30.9	FALSE
9/9/17 13:45	4.6	131	28	30.9	FALSE
9/9/17 14:00	4.6	87	28.8	30.9	FALSE
9/9/17 14:15	6.4	63	28.5	30.9	FALSE
9/9/17 14:30	5.2	76	28.6	30.9	FALSE
9/9/17 14:45	3.8	110	29.5	30.9	FALSE
9/9/17 15:00	4.6	91	29.2	30.9	FALSE
9/9/17 15:15	3.7	154	28.4	30.9	FALSE
9/9/17 15:30	5.4	73	29.3	30.9	FALSE
9/9/17 15:45	4.4	54	28.5	30.9	FALSE
9/9/17 16:00	5.6	27	28.2	30.9	FALSE
9/9/17 16:15	4.6	115	27.8	30.9	FALSE
9/9/17 16:30	5.5	29	28.2	30.9	FALSE
9/9/17 16:45	4.3	40	27.7	30.9	FALSE
9/9/17 17:00	4.3	55	28.6	30.9	FALSE
9/9/17 17:15	4.9	62	28.9	30.9	FALSE
9/9/17 17:30	5.8	54	28.1	30.9	FALSE
9/9/17 17:45	6.2	47	27.7	30.9	FALSE
9/9/17 18:00	5.7	41	28.1	30.9	FALSE
9/9/17 18:15	6.6	40	27.9	30.9	FALSE
9/9/17 18:30	5.2	63	27.8	30.9	FALSE
9/9/17 18:45	4.5	36	27.6	30.9	FALSE
9/9/17 19:00	4.3	36	27.2	30.9	FALSE
9/9/17 19:15	3.3	43	26.7	30.9	FALSE
9/9/17 19:30	2	38	25.9	30.9	FALSE
9/9/17 19:45	1.9	40	24.8	30.9	FALSE
9/9/17 20:00	2.7	23	24.2	30.9	FALSE
9/9/17 20:15	2.8	19	23.6	30.9	FALSE
9/9/17 20:30	2.3	29	23.4	30.9	FALSE
9/9/17 20:45	2.5	27	23.1	30.9	FALSE
9/9/17 21:00	2.4	35	22.5	30.9	FALSE
9/9/17 21:15	2.2	33	21.8	30.9	FALSE

9/9/17 21:30	1.8	19	21.7	30.9	FALSE
9/9/17 21:45	1.5	3	21	30.9	FALSE
9/9/17 22:00	1.1	11	20.3	30.9	FALSE
9/9/17 22:15	1.3	348	19.9	30.9	FALSE
9/9/17 22:30	1.1	23	19.5	30.9	FALSE
9/9/17 22:45	0.8	19	19.1	30.9	1
9/9/17 23:00	2.1	356	19.2	30.9	FALSE
9/9/17 23:15	0.7	326	18.7	30.9	1
9/9/17 23:30	2.2	7	18.6	30.9	FALSE
9/9/17 23:45	3.1	9	18.8	30.9	FALSE
9/10/17 0:00	4.8	30	19.5	30.9	FALSE
9/10/17 0:15	6	60	20.7	30.9	FALSE
9/10/17 0:30	7.7	67	21	30.9	FALSE
9/10/17 0:45	7.8	71	21.1	30.9	FALSE
9/10/17 1:00	8.8	70	21	30.9	FALSE
9/10/17 1:15	9.1	74	20.8	30.9	FALSE
9/10/17 1:30	7.9	78	20.5	30.9	FALSE
9/10/17 1:45	7.8	80	20.1	30.9	FALSE
9/10/17 2:00	7.4	83	19.8	30.9	FALSE
9/10/17 2:15	6.9	83	19.5	30.9	FALSE
9/10/17 2:30	5.3	90	19.4	30.9	FALSE
9/10/17 2:45	5.1	91	19.4	30.9	FALSE
9/10/17 3:00	5	89	19.4	30.9	FALSE
9/10/17 3:15	4.2	97	19.4	30.9	FALSE
9/10/17 3:30	3.6	97	19.2	30.9	FALSE
9/10/17 3:45	3.5	78	19	30.9	FALSE
9/10/17 4:00	2.7	60	18.6	30.9	FALSE
9/10/17 4:15	3.4	75	18.3	30.9	FALSE
9/10/17 4:30	3	75	18.2	30.9	FALSE
9/10/17 4:45	3.6	76	18	30.9	FALSE
9/10/17 5:00	3.5	78	17.8	30.9	FALSE
9/10/17 5:15	3.4	79	17.6	30.9	FALSE
9/10/17 5:30	3.5	80	17.5	30.9	FALSE
9/10/17 5:45	3.8	78	17.3	30.9	FALSE
9/10/17 6:00	3.7	79	17.2	30.9	FALSE
9/10/17 6:15	4.4	77	17.1	30.9	FALSE
9/10/17 6:30	4.3	80	16.9	30.9	FALSE
9/10/17 6:45	3.6	80	16.8	30.9	FALSE
9/10/17 7:00	3.9	67	16.7	30.9	FALSE
9/10/17 7:15	2.6	52	16.6	30.9	FALSE
9/10/17 7:30	3.5	68	16.7	30.9	FALSE
9/10/17 7:45	3	72	17.1	30.9	FALSE
9/10/17 8:00	3.9	69	17.3	30.9	FALSE
9/10/17 8:15	4	78	17.8	30.9	FALSE
9/10/17 8:30	5.1	76	18	30.9	FALSE
9/10/17 8:45	4.9	78	18.5	30.9	FALSE
9/10/17 9:00	6	72	18.8	30.9	FALSE

9/10/17 9:15	4.3	87	19.5	30.9	FALSE
9/10/17 9:30	5.8	80	19.6	30.9	FALSE
9/10/17 9:45	5.5	81	20.4	30.9	FALSE
9/10/17 10:00	5	98	21.1	30.9	FALSE
9/10/17 10:15	5	104	21.3	30.9	FALSE
9/10/17 10:30	3.9	97	21.3	30.9	FALSE
9/10/17 10:45	6	79	21.9	30.9	FALSE
9/10/17 11:00	6.5	80	22.1	30.9	FALSE
9/10/17 11:15	5.8	76	22.8	30.9	FALSE
9/10/17 11:30	7.5	54	22.8	30.9	FALSE
9/10/17 11:45	7.8	71	23.2	30.9	FALSE
9/10/17 12:00	7.1	73	23.2	30.9	FALSE
9/10/17 12:15	6.3	70	23.7	30.9	FALSE
9/10/17 12:30	6.3	90	23.9	30.9	FALSE
9/10/17 12:45	7	58	23.9	30.9	FALSE
9/10/17 13:00	6.5	48	23.9	30.9	FALSE
9/10/17 13:15	5.9	72	24.6	30.9	FALSE
9/10/17 13:30	7.7	52	24.4	30.9	FALSE
9/10/17 13:45	7.2	21	24.2	30.9	FALSE
9/10/17 14:00	8.7	3	24.3	30.9	FALSE
9/10/17 14:15	8.2	20	24.6	30.9	FALSE
9/10/17 14:30	7.6	14	24.4	30.9	FALSE
9/10/17 14:45	8.4	33	24.5	30.9	FALSE
9/10/17 15:00	7.2	29	24.8	30.9	FALSE
9/10/17 15:15	9.1	22	24.6	30.9	FALSE
9/10/17 15:30	7.9	26	24.8	30.9	FALSE
9/10/17 15:45	7.4	13	24.9	30.9	FALSE
9/10/17 16:00	5.7	47	25.1	30.9	FALSE
9/10/17 16:15	7.3	40	25.2	30.9	FALSE
9/10/17 16:30	6.1	39	25.2	30.9	FALSE
9/10/17 16:45	6.9	49	25.4	30.9	FALSE
9/10/17 17:00	6.7	45	25.3	30.9	FALSE
9/10/17 17:15	7.5	25	25.1	30.9	FALSE
9/10/17 17:30	6.4	38	25.1	30.9	FALSE
9/10/17 17:45	7.2	44	25	30.9	FALSE
9/10/17 18:00	5.8	32	24.9	30.9	FALSE
9/10/17 18:15	6.1	45	24.8	30.9	FALSE
9/10/17 18:30	5.5	44	24.6	30.9	FALSE
9/10/17 18:45	4.9	40	24.5	30.9	FALSE
9/10/17 19:00	5.6	46	24	30.9	FALSE
9/10/17 19:15	5.8	62	23.6	30.9	FALSE
9/10/17 19:30	3.8	46	23.1	30.9	FALSE
9/10/17 19:45	1.9	59	22.4	30.9	FALSE
9/10/17 20:00	1.4	49	21.7	30.9	FALSE
9/10/17 20:15	1.3	62	21.3	30.9	FALSE
9/10/17 20:30	1.5	44	20.9	30.9	FALSE
9/10/17 20:45	1.9	11	19.5	30.9	FALSE

9/10/17 21:00	1.9	11	18.7	30.9	FALSE
9/10/17 21:15	1.2	27	17.9	30.9	FALSE
9/10/17 21:30	0.9	25	17.3	30.9	1
9/10/17 21:45	0.6	44	16.8	30.9	1
9/10/17 22:00	1.1	75	16.7	30.9	FALSE
9/10/17 22:15	1.5	58	17.4	30.9	FALSE
9/10/17 22:30	1.6	38	17.6	30.9	FALSE
9/10/17 22:45	2.1	2	16.9	30.9	FALSE
9/10/17 23:00	2.1	13	16.2	30.9	FALSE
9/10/17 23:15	1.5	40	15.8	30.9	FALSE
9/10/17 23:30	2	23	16.1	30.9	FALSE
9/10/17 23:45	1.9	44	16.8	30.9	FALSE
9/11/17 0:00	1.6	26	16.6	30.9	FALSE
9/11/17 0:15	1.5	2	16.2	30.9	FALSE
9/11/17 0:30	2	351	15.6	30.9	FALSE
9/11/17 0:45	2.1	2	15	30.9	FALSE
9/11/17 1:00	2.2	3	14.7	30.9	FALSE
9/11/17 1:15	2.5	352	14.5	30.9	FALSE
9/11/17 1:30	2	353	14.4	30.9	FALSE
9/11/17 1:45	1.3	341	14.2	30.9	FALSE
9/11/17 2:00	1.7	354	14.1	30.9	FALSE
9/11/17 2:15	1.8	18	14.2	30.9	FALSE
9/11/17 2:30	1.7	30	14	30.9	FALSE
9/11/17 2:45	1.8	28	13.8	30.9	FALSE
9/11/17 3:00	1.5	3	13.3	30.9	FALSE
9/11/17 3:15	1.2	8	12.9	30.9	FALSE
9/11/17 3:30	1.3	3	12.8	30.9	FALSE
9/11/17 3:45	1.2	19	12.5	30.9	FALSE
9/11/17 4:00	1.8	6	12.4	30.9	FALSE
9/11/17 4:15	1.3	39	12.4	30.9	FALSE
9/11/17 4:30	0.7	47	12	30.9	1
9/11/17 4:45	0.8	26	11.8	30.9	1
9/11/17 5:00	1.1	41	11.6	30.9	FALSE
9/11/17 5:15	1.5	32	11.9	30.9	FALSE
9/11/17 5:30	1.8	32	11.9	30.9	FALSE
9/11/17 5:45	1.7	11	11.8	30.9	FALSE
9/11/17 6:00	2	4	11.8	30.9	FALSE
9/11/17 6:15	2.4	1	11.7	30.9	FALSE
9/11/17 6:30	2.1	16	11.8	30.9	FALSE
9/11/17 6:45	2.1	20	11.6	30.9	FALSE
9/11/17 7:00	2.8	12	11.6	30.9	FALSE
9/11/17 7:15	1.9	358	11.5	30.9	FALSE
9/11/17 7:30	1.9	7	11.7	30.9	FALSE
9/11/17 7:45	2.3	5	12.4	30.9	FALSE
9/11/17 8:00	2.7	14	13.1	30.9	FALSE
9/11/17 8:15	3.3	357	13.5	30.9	FALSE
9/11/17 8:30	4.3	345	13.7	30.9	FALSE

9/11/17 8:45	4	341	14.1	30.9	FALSE
9/11/17 9:00	4.4	332	14.6	30.9	FALSE
9/11/17 9:15	3.9	334	15.5	30.9	FALSE
9/11/17 9:30	4.1	354	16.3	30.9	FALSE
9/11/17 9:45	4.2	352	17	30.9	FALSE
9/11/17 10:00	3.8	350	17.8	30.9	FALSE
9/11/17 10:15	4	332	18.4	30.9	FALSE
9/11/17 10:30	4.2	324	18.6	30.9	FALSE
9/11/17 10:45	4	345	19.5	30.9	FALSE
9/11/17 11:00	4.9	325	20	30.9	FALSE
9/11/17 11:15	5.7	334	20.4	30.9	FALSE
9/11/17 11:30	6.1	336	21.2	30.9	FALSE
9/11/17 11:45	6.1	339	21.9	30.9	FALSE
9/11/17 12:00	8.5	344	22.3	30.9	FALSE
9/11/17 12:15	9.2	4	22.4	30.9	FALSE
9/11/17 12:30	8.2	7	22.8	30.9	FALSE
9/11/17 12:45	9.4	0	23	30.9	FALSE
9/11/17 13:00	8.7	13	23.2	30.8	FALSE
9/11/17 13:15	8.7	9	23.6	30.8	FALSE
9/11/17 13:30	7.4	6	23.9	30.8	FALSE
9/11/17 13:45	8.4	13	24.4	30.8	FALSE
9/11/17 14:00	9.4	34	24.3	30.8	FALSE
9/11/17 14:15	9.2	24	24.4	30.8	FALSE
9/11/17 14:30	8	21	24.5	30.8	FALSE
9/11/17 14:45	8.4	25	24.7	30.8	FALSE
9/11/17 15:00	7.8	23	24.6	30.8	FALSE
9/11/17 15:15	8.4	16	24.6	30.8	FALSE
9/11/17 15:30	8.3	20	24.8	30.8	FALSE
9/11/17 15:45	7.3	20	25.4	30.8	FALSE
9/11/17 16:00	7.4	15	24.9	30.8	FALSE
9/11/17 16:15	8.4	9	24.7	30.8	FALSE
9/11/17 16:30	7.1	6	24.6	30.8	FALSE
9/11/17 16:45	7.7	6	25.1	30.8	FALSE
9/11/17 17:00	7.2	19	24.8	30.8	FALSE
9/11/17 17:15	6.8	20	24.7	30.8	FALSE
9/11/17 17:30	6.3	29	24.5	30.8	FALSE
9/11/17 17:45	6.6	18	24.4	30.8	FALSE
9/11/17 18:00	6.1	16	24.6	30.8	FALSE
9/11/17 18:15	7.6	10	24.4	30.8	FALSE
9/11/17 18:30	6.6	15	24.3	30.8	FALSE
9/11/17 18:45	5.8	12	24	30.8	FALSE
9/11/17 19:00	5.6	20	23.8	30.8	FALSE
9/11/17 19:15	4.8	21	23.5	30.8	FALSE
9/11/17 19:30	4	19	23	30.8	FALSE
9/11/17 19:45	3.6	357	22.4	30.8	FALSE
9/11/17 20:00	3.1	15	21.9	30.8	FALSE
9/11/17 20:15	2.9	27	21.3	30.8	FALSE



9/11/17 20:30	2.8	15	20.9	30.8	FALSE
9/11/17 20:45	2.5	13	20.5	30.8	FALSE
9/11/17 21:00	2.7	15	20	30.8	FALSE
9/11/17 21:15	3.3	21	19.7	30.8	FALSE
9/11/17 21:30	3.7	14	19.5	30.8	FALSE
9/11/17 21:45	3.7	15	19.4	30.8	FALSE
9/11/17 22:00	3.7	8	19.1	30.8	FALSE
9/11/17 22:15	3.3	4	18.8	30.8	FALSE
9/11/17 22:30	4.3	351	18.6	30.8	FALSE
9/11/17 22:45	3.7	0	18.4	30.8	FALSE
9/11/17 23:00	4	357	18	30.8	FALSE
9/11/17 23:15	3.6	340	17.7	30.8	FALSE
9/11/17 23:30	4.8	347	17.6	30.8	FALSE
9/11/17 23:45	4.7	347	17.5	30.8	FALSE
9/12/17 0:00	4.2	350	17.3	30.8	FALSE
9/12/17 0:15	3.6	6	17.1	30.8	FALSE
9/12/17 0:30	3.1	1	16.9	30.8	FALSE
9/12/17 0:45	3.9	348	16.8	30.8	FALSE
9/12/17 1:00	2.6	341	16.7	30.8	FALSE
9/12/17 1:15	4.5	334	16.5	30.8	FALSE
9/12/17 1:30	3.8	2	16.4	30.8	FALSE
9/12/17 1:45	3.4	358	16.4	30.8	FALSE
9/12/17 2:00	3.8	353	16.2	30.8	FALSE
9/12/17 2:15	3.3	354	16	30.8	FALSE
9/12/17 2:30	4	349	15.9	30.8	FALSE
9/12/17 2:45	3.6	352	15.7	30.8	FALSE
9/12/17 3:00	4.1	352	15.6	30.8	FALSE
9/12/17 3:15	5.4	341	15.6	30.8	FALSE
9/12/17 3:30	5.2	344	15.5	30.8	FALSE
9/12/17 3:45	5.7	348	15.5	30.8	FALSE
9/12/17 4:00	5.6	349	15.5	30.8	FALSE
9/12/17 4:15	5.7	349	15.6	30.8	FALSE
9/12/17 4:30	6	340	15.5	30.8	FALSE
9/12/17 4:45	6.1	341	15.4	30.8	FALSE
9/12/17 5:00	6.8	345	15.3	30.8	FALSE
9/12/17 5:15	4.7	350	15.1	30.8	FALSE
9/12/17 5:30	5	344	15	30.8	FALSE
9/12/17 5:45	5.2	347	14.9	30.8	FALSE
9/12/17 6:00	5.4	338	14.8	30.8	FALSE
9/12/17 6:15	5.9	345	14.7	30.8	FALSE
9/12/17 6:30	7	348	14.7	30.8	FALSE
9/12/17 6:45	6.2	359	14.6	30.8	FALSE
9/12/17 7:00	6	354	14.5	30.8	FALSE
9/12/17 7:15	5.9	353	14.4	30.8	FALSE
9/12/17 7:30	5.9	358	14.4	30.8	FALSE
9/12/17 7:45	5.8	351	14.5	30.8	FALSE
9/12/17 8:00	5.7	354	14.8	30.8	FALSE

9/12/17 8:15	7.7	352	15	30.8	FALSE
9/12/17 8:30	7.4	3	15.1	30.8	FALSE
9/12/17 8:45	8.5	356	15.2	30.8	FALSE
9/12/17 9:00	8.7	345	15.4	30.8	FALSE
9/12/17 9:15	9.5	345	15.5	30.8	FALSE
9/12/17 9:30	9	352	15.9	30.8	FALSE
9/12/17 9:45	10.1	341	16.3	30.8	FALSE
9/12/17 10:00	9.6	343	16.9	30.8	FALSE
9/12/17 10:15	11	344	17.5	30.7	FALSE
9/12/17 10:30	9.5	336	18.3	30.7	FALSE
9/12/17 10:45	9.6	348	18.7	30.7	FALSE
9/12/17 11:00	10.1	6	19.3	30.7	FALSE
9/12/17 11:15	8.6	12	20.2	30.7	FALSE
9/12/17 11:30	10.5	358	20.5	30.7	FALSE
9/12/17 11:45	10.9	2	21	30.7	FALSE
9/12/17 12:00	11.2	12	21.2	30.7	FALSE
9/12/17 12:15	11	10	21.3	30.7	FALSE
9/12/17 12:30	13.2	358	22.2	30.7	FALSE
9/12/17 12:45	11.8	6	22.2	30.7	FALSE
9/12/17 13:00	11.5	348	22.8	30.7	FALSE
9/12/17 13:15	12.7	353	23	30.7	FALSE
9/12/17 13:30	12.4	355	23.3	30.7	FALSE
9/12/17 13:45	11.9	359	23.7	30.7	FALSE
9/12/17 14:00	10.9	359	24.1	30.7	FALSE
9/12/17 14:15	12.9	353	24.8	30.7	FALSE
9/12/17 14:30	10.5	15	24.7	30.7	FALSE
9/12/17 14:45	10.5	359	25.2	30.7	FALSE
9/12/17 15:00	12	347	25.6	30.7	FALSE
9/12/17 15:15	12.1	351	25.4	30.7	FALSE
9/12/17 15:30	12.1	351	25.4	30.7	FALSE
9/12/17 15:45	11.7	1	25.4	30.7	FALSE
9/12/17 16:00	10.6	355	25.8	30.7	FALSE
9/12/17 16:15	10.5	335	25.7	30.7	FALSE
9/12/17 16:30	11.4	329	25.6	30.7	FALSE
9/12/17 16:45	9.3	358	25.4	30.7	FALSE
9/12/17 17:00	9	347	25.3	30.7	FALSE
9/12/17 17:15	9.3	329	25	30.7	FALSE
9/12/17 17:30	11.4	329	24.9	30.7	FALSE
9/12/17 17:45	11.4	336	24.5	30.7	FALSE
9/12/17 18:00	10	347	24	30.7	FALSE
9/12/17 18:15	8.6	347	23.5	30.7	FALSE
9/12/17 18:30	7.8	341	23.2	30.7	FALSE
9/12/17 18:45	9.7	343	23.2	30.7	FALSE
9/12/17 19:00	7.7	341	23.1	30.7	FALSE
9/12/17 19:15	6.7	345	22.7	30.7	FALSE
9/12/17 19:30	3.9	15	22.5	30.7	FALSE
9/12/17 19:45	4.3	30	22.2	30.7	FALSE

9/12/17 20:00	4.3	24	21.9	30.7	FALSE
9/12/17 20:15	3.4	357	21.9	30.7	FALSE
9/12/17 20:30	4.4	335	21.8	30.7	FALSE
9/12/17 20:45	6	334	21.6	30.7	FALSE
9/12/17 21:00	7.9	350	21.6	30.7	FALSE
9/12/17 21:15	7.6	8	21.5	30.7	FALSE
9/12/17 21:30	7.5	5	21.1	30.7	FALSE
9/12/17 21:45	6.1	5	20.8	30.7	FALSE
9/12/17 22:00	4.7	349	20.7	30.7	FALSE
9/12/17 22:15	5	332	20.3	30.7	FALSE
9/12/17 22:30	3.5	357	20.3	30.7	FALSE
9/12/17 22:45	3	33	20.2	30.7	FALSE
9/12/17 23:00	3	16	20.2	30.7	FALSE
9/12/17 23:15	5.8	13	19.1	30.7	FALSE
9/12/17 23:30	2.9	359	18.1	30.7	FALSE
9/12/17 23:45	3.1	350	18	30.7	FALSE
9/13/17 0:00	1.8	14	18	30.7	FALSE
9/13/17 0:15	1.2	25	18	30.7	FALSE
9/13/17 0:30	1.8	17	18.1	30.7	FALSE
9/13/17 0:45	2.6	3	18.1	30.7	FALSE
9/13/17 1:00	2.3	358	18.1	30.7	FALSE
9/13/17 1:15	2.3	17	18.1	30.7	FALSE
9/13/17 1:30	3.3	19	17.6	30.7	FALSE
9/13/17 1:45	4	7	17.6	30.7	FALSE
9/13/17 2:00	3.2	16	17.8	30.7	FALSE
9/13/17 2:15	4	22	17.6	30.7	FALSE
9/13/17 2:30	3.4	357	17.5	30.7	FALSE
9/13/17 2:45	4.5	347	17.5	30.7	FALSE
9/13/17 3:00	4.3	334	17.5	30.7	FALSE
9/13/17 3:15	4	352	17.5	30.7	FALSE
9/13/17 3:30	3.8	9	17.4	30.7	FALSE
9/13/17 3:45	3.6	9	17.5	30.7	FALSE
9/13/17 4:00	3.6	347	17.5	30.7	FALSE
9/13/17 4:15	4.1	338	17.5	30.7	FALSE
9/13/17 4:30	4	358	17.5	30.7	FALSE
9/13/17 4:45	3.4	350	17.6	30.7	FALSE
9/13/17 5:00	4	320	17.6	30.7	FALSE
9/13/17 5:15	3.9	338	17.8	30.7	FALSE
9/13/17 5:30	3.8	329	17.8	30.7	FALSE
9/13/17 5:45	3.9	337	17.8	30.7	FALSE
9/13/17 6:00	4.1	331	17.7	30.7	FALSE
9/13/17 6:15	3.8	322	17.8	30.7	FALSE
9/13/17 6:30	4.2	327	17.9	30.7	FALSE
9/13/17 6:45	4.9	320	17.9	30.7	FALSE
9/13/17 7:00	4.5	327	17.9	30.7	FALSE
9/13/17 7:15	4.3	331	17.9	30.7	FALSE
9/13/17 7:30	4	336	17.9	30.7	FALSE

9/13/17 7:45	4.5	340	17.8	30.7	FALSE
9/13/17 8:00	3.5	348	17.8	30.7	FALSE
9/13/17 8:15	3.8	5	17.6	30.7	FALSE
9/13/17 8:30	3.3	5	17.7	30.7	FALSE
9/13/17 8:45	4.1	338	17.8	30.7	FALSE
9/13/17 9:00	5.2	333	18	30.7	FALSE
9/13/17 9:15	4.9	329	18.2	30.7	FALSE
9/13/17 9:30	4.9	329	18.3	30.7	FALSE
9/13/17 9:45	4.1	357	18.7	30.7	FALSE
9/13/17 10:00	5	344	18.7	30.7	FALSE
9/13/17 10:15	5.3	341	18.6	30.7	FALSE
9/13/17 10:30	3.3	11	18.8	30.7	FALSE
9/13/17 10:45	3.3	329	18.8	30.7	FALSE
9/13/17 11:00	3.3	323	19.1	30.7	FALSE
9/13/17 11:15	3.8	314	19.2	30.7	FALSE
9/13/17 11:30	3.8	338	19.5	30.7	FALSE
9/13/17 11:45	3.4	13	19.9	30.7	FALSE
9/13/17 12:00	3.9	7	20.3	30.7	FALSE
9/13/17 12:15	2.8	25	20.8	30.7	FALSE
9/13/17 12:30	3.5	348	21.1	30.7	FALSE
9/13/17 12:45	4.1	347	21.3	30.7	FALSE
9/13/17 13:00	3.4	20	21.5	30.7	FALSE
9/13/17 13:15	3.3	338	22.1	30.7	FALSE
9/13/17 13:30	3.3	328	22.5	30.7	FALSE
9/13/17 13:45	3.6	294	23.3	30.7	FALSE
9/13/17 14:00	4.7	305	23	30.7	FALSE
9/13/17 14:15	3.6	321	22.8	30.7	FALSE
9/13/17 14:30	3.3	274	23.1	30.7	FALSE
9/13/17 14:45	3.6	240	22.8	30.7	FALSE
9/13/17 15:00	4.1	245	23.3	30.7	FALSE
9/13/17 15:15	3.3	271	23.7	30.7	FALSE
9/13/17 15:30	4	277	23.9	30.7	FALSE
9/13/17 15:45	4	305	23.7	30.7	FALSE
9/13/17 16:00	4.3	304	23.8	30.7	FALSE
9/13/17 16:15	3.8	246	24	30.7	FALSE
9/13/17 16:30	5.6	283	23.8	30.7	FALSE
9/13/17 16:45	5.2	281	23.8	30.7	FALSE
9/13/17 17:00	4.2	290	24.2	30.7	FALSE
9/13/17 17:15	4.2	345	24.2	30.7	FALSE
9/13/17 17:30	3.8	328	24.1	30.7	FALSE
9/13/17 17:45	3.8	316	24	30.7	FALSE
9/13/17 18:00	4	239	23.8	30.7	FALSE
9/13/17 18:15	3.9	261	23.7	30.7	FALSE
9/13/17 18:30	3.3	285	23.7	30.7	FALSE
9/13/17 18:45	3.6	285	23.6	30.7	FALSE
9/13/17 19:00	3.1	314	23.5	30.7	FALSE
9/13/17 19:15	4	340	23.2	30.7	FALSE

9/13/17 19:30	4	353	22.9	30.7	FALSE
9/13/17 19:45	2.5	359	22.6	30.7	FALSE
9/13/17 20:00	2.4	21	22.3	30.7	FALSE
9/13/17 20:15	1.4	27	22	30.7	FALSE
9/13/17 20:30	0.9	16	21.4	30.7	1
9/13/17 20:45	1.5	46	21.3	30.7	FALSE
9/13/17 21:00	0.6	79	20.7	30.7	1
9/13/17 21:15	0.6	90	20.5	30.7	1
9/13/17 21:30	0.6	99	20.4	30.7	1
9/13/17 21:45	0.8	187	20.2	30.7	1
9/13/17 22:00	0.6	122	20.2	30.7	1
9/13/17 22:15	0.7	141	20.1	30.7	1
9/13/17 22:30	1.1	112	20	30.7	FALSE
9/13/17 22:45	2.1	166	20	30.7	FALSE
9/13/17 23:00	1	147	19.8	30.7	1
9/13/17 23:15	0.9	211	19.4	30.7	1
9/13/17 23:30	1.5	151	19.2	30.7	FALSE
9/13/17 23:45	0.9	140	18.8	30.7	1
9/14/17 0:00	0.8	142	18.8	30.7	1
9/14/17 0:15	2.1	199	18.7	30.7	FALSE
9/14/17 0:30	2.2	184	18.6	30.7	FALSE
9/14/17 0:45	1.4	183	18.4	30.7	FALSE
9/14/17 1:00	1.3	180	18.1	30.7	FALSE
9/14/17 1:15	0.9	187	17.8	30.7	1
9/14/17 1:30	0.9	181	17.6	30.7	1
9/14/17 1:45	0.6	144	17.4	30.7	1
9/14/17 2:00	1.5	195	17.4	30.7	FALSE
9/14/17 2:15	1.6	187	17.4	30.7	FALSE
9/14/17 2:30	0.7	136	17.2	30.7	1
9/14/17 2:45	0.7	167	17.1	30.7	1
9/14/17 3:00	0.7	190	16.9	30.7	1
9/14/17 3:15	1	203	17	30.7	1
9/14/17 3:30	0.9	162	17	30.7	1
9/14/17 3:45	0.6	33	16.6	30.7	1
9/14/17 4:00	0.7	52	16.4	30.7	1
9/14/17 4:15	0.9	60	16.3	30.7	1
9/14/17 4:30	0.6	96	16.3	30.7	1
9/14/17 4:45	1.1	146	16.3	30.7	FALSE
9/14/17 5:00	0.6	154	16.1	30.7	1
9/14/17 5:15	0.9	170	15.9	30.7	1
9/14/17 5:30	1.8	189	16.2	30.7	FALSE
9/14/17 5:45	1.1	100	16.2	30.7	FALSE
9/14/17 6:00	1.5	4	15.8	30.7	FALSE
9/14/17 6:15	1	21	15.5	30.7	1
9/14/17 6:30	0.9	29	15.2	30.7	1
9/14/17 6:45	0.8	12	15.1	30.7	1
9/14/17 7:00	0.7	8	15	30.7	1

9/14/17 7:15	0.7	359	15	30.7	1
9/14/17 7:30	0.7	327	15.1	30.7	1
9/14/17 7:45	0.6	152	16	30.7	1
9/14/17 8:00	0.7	127	17.2	30.7	1
9/14/17 8:15	2.5	164	18.1	30.7	FALSE
9/14/17 8:30	3.2	172	18.5	30.7	FALSE
9/14/17 8:45	4.5	195	18.8	30.7	FALSE
9/14/17 9:00	5.4	196	19	30.7	FALSE
9/14/17 9:15	4.8	196	19.5	30.7	FALSE
9/14/17 9:30	5.2	203	19.8	30.7	FALSE
9/14/17 9:45	5.1	201	20.2	30.7	FALSE
9/14/17 10:00	4.7	207	20.9	30.7	FALSE
9/14/17 10:15	4.7	214	21.7	30.7	FALSE
9/14/17 10:30	5	202	22.3	30.7	FALSE
9/14/17 10:45	5.6	221	22.7	30.7	FALSE
9/14/17 11:00	4	216	23.6	30.7	FALSE
9/14/17 11:15	3.3	201	24.6	30.7	FALSE
9/14/17 11:30	3.6	220	25.3	30.7	FALSE
9/14/17 11:45	3.5	217	26.1	30.7	FALSE
9/14/17 12:00	4.5	193	26.4	30.7	FALSE
9/14/17 12:15	4.8	219	26.8	30.7	FALSE
9/14/17 12:30	5	214	27.2	30.7	FALSE
9/14/17 12:45	4.5	158	27.5	30.7	FALSE
9/14/17 13:00	3.9	204	28.2	30.7	FALSE
9/14/17 13:15	4.6	217	28.4	30.7	FALSE
9/14/17 13:30	4.5	244	28.5	30.7	FALSE
9/14/17 13:45	3.2	218	29	30.7	FALSE
9/14/17 14:00	4.5	234	29.3	30.7	FALSE
9/14/17 14:15	4.2	227	29.3	30.7	FALSE
9/14/17 14:30	5.8	242	29.5	30.7	FALSE
9/14/17 14:45	6.2	241	29.3	30.7	FALSE
9/14/17 15:00	5.6	193	29.8	30.7	FALSE
9/14/17 15:15	4.2	141	30.1	30.7	FALSE
9/14/17 15:30	4.9	189	30.2	30.7	FALSE
9/14/17 15:45	5.1	194	30.3	30.7	FALSE
9/14/17 16:00	3.6	167	31.3	30.7	FALSE
9/14/17 16:15	5.6	257	30.6	30.7	FALSE
9/14/17 16:30	6	241	30.4	30.7	FALSE
9/14/17 16:45	5.1	232	30.3	30.7	FALSE
9/14/17 17:00	3.9	230	30.9	30.7	FALSE
9/14/17 17:15	2.7	274	31.3	30.7	FALSE
9/14/17 17:30	2.5	253	31.7	30.7	FALSE
9/14/17 17:45	4.6	49	30.9	30.7	FALSE
9/14/17 18:00	3.3	2	31	30.7	FALSE
9/14/17 18:15	4.3	21	30.6	30.7	FALSE
9/14/17 18:30	4	25	30	30.7	FALSE
9/14/17 18:45	4.7	20	29.4	30.7	FALSE

9/14/17 19:00	5	16	28.7	30.7	FALSE
9/14/17 19:15	3.4	31	28	30.7	FALSE
9/14/17 19:30	2.2	37	27.2	30.7	FALSE
9/14/17 19:45	1.7	42	26.4	30.7	FALSE
9/14/17 20:00	2	65	25.9	30.7	FALSE
9/14/17 20:15	3.2	85	25.8	30.7	FALSE
9/14/17 20:30	3.1	87	26.1	30.7	FALSE
9/14/17 20:45	3.1	86	25.8	30.7	FALSE
9/14/17 21:00	3.5	91	25.4	30.7	FALSE
9/14/17 21:15	3.8	89	25.3	30.7	FALSE
9/14/17 21:30	3.6	90	25.1	30.7	FALSE
9/14/17 21:45	3.1	96	24.7	30.7	FALSE
9/14/17 22:00	2.7	99	24.4	30.7	FALSE
9/14/17 22:15	3.1	91	24.3	30.7	FALSE
9/14/17 22:30	2.6	93	24.1	30.7	FALSE
9/14/17 22:45	2.5	103	23.9	30.7	FALSE
9/14/17 23:00	2.5	96	23.6	30.7	FALSE
9/14/17 23:15	2.8	88	23.5	30.7	FALSE
9/14/17 23:30	3.3	87	23.5	30.7	FALSE
9/14/17 23:45	3.4	89	23.3	30.7	FALSE
9/15/17 0:00	3.4	99	23.2	30.7	FALSE
9/15/17 0:15	2.5	112	23.2	30.7	FALSE
9/15/17 0:30	3.1	125	23.1	30.7	FALSE
9/15/17 0:45	3.5	133	23.1	30.7	FALSE
9/15/17 1:00	2.8	127	23	30.7	FALSE
9/15/17 1:15	2.9	132	22.7	30.7	FALSE
9/15/17 1:30	3.6	146	22.5	30.7	FALSE
9/15/17 1:45	3.8	144	22.4	30.7	FALSE
9/15/17 2:00	3.8	150	22.3	30.7	FALSE
9/15/17 2:15	4.7	158	22.1	30.7	FALSE
9/15/17 2:30	3.7	167	21.9	30.7	FALSE
9/15/17 2:45	4.2	156	21.7	30.7	FALSE
9/15/17 3:00	3.6	157	21.4	30.7	FALSE
9/15/17 3:15	2	159	21	30.7	FALSE
9/15/17 3:30	3.1	149	20.9	30.7	FALSE
9/15/17 3:45	2.9	150	20.8	30.7	FALSE
9/15/17 4:00	2.8	143	20.7	30.7	FALSE
9/15/17 4:15	2.1	134	20.5	30.7	FALSE
9/15/17 4:30	2.3	149	20.2	30.7	FALSE
9/15/17 4:45	3.3	154	20.3	30.7	FALSE
9/15/17 5:00	3.3	149	20.3	30.8	FALSE
9/15/17 5:15	3.9	154	20.4	30.8	FALSE
9/15/17 5:30	3.3	154	20.3	30.8	FALSE
9/15/17 5:45	2.6	145	20.2	30.8	FALSE
9/15/17 6:00	1	107	19.8	30.8	1
9/15/17 6:15	1.2	131	19.2	30.8	FALSE
9/15/17 6:30	1.4	144	19.5	30.8	FALSE

9/15/17 6:45	1.2	141	19.6	30.8	FALSE
9/15/17 7:00	2.5	150	19.6	30.8	FALSE
9/15/17 7:15	2.3	139	19.8	30.8	FALSE
9/15/17 7:30	2.1	133	19.8	30.8	FALSE
9/15/17 7:45	2.4	133	20.2	30.8	FALSE
9/15/17 8:00	3.4	145	21	30.8	FALSE
9/15/17 8:15	3.2	140	21.7	30.8	FALSE
9/15/17 8:30	4	151	22.2	30.8	FALSE
9/15/17 8:45	4	174	22.9	30.8	FALSE
9/15/17 9:00	4.8	161	23.5	30.8	FALSE
9/15/17 9:15	5.8	165	24	30.8	FALSE
9/15/17 9:30	6.2	166	24.6	30.8	FALSE
9/15/17 9:45	6	170	25.1	30.8	FALSE
9/15/17 10:00	7	169	25.6	30.8	FALSE
9/15/17 10:15	6.7	166	26.1	30.8	FALSE
9/15/17 10:30	6.5	164	26.5	30.8	FALSE
9/15/17 10:45	6.6	162	27.3	30.8	FALSE
9/15/17 11:00	6.6	171	27.7	30.8	FALSE
9/15/17 11:15	6.5	177	28.2	30.8	FALSE
9/15/17 11:30	6.2	173	28.9	30.8	FALSE
9/15/17 11:45	7.3	182	29.1	30.8	FALSE
9/15/17 12:00	7	168	29.6	30.8	FALSE
9/15/17 12:15	8	176	29.8	30.8	FALSE
9/15/17 12:30	8.2	174	30	30.8	FALSE
9/15/17 12:45	7.6	156	30.4	30.8	FALSE
9/15/17 13:00	7.5	180	30.4	30.8	FALSE
9/15/17 13:15	7.5	167	30.7	30.8	FALSE
9/15/17 13:30	6.7	153	31.1	30.8	FALSE
9/15/17 13:45	7.3	146	31.4	30.8	FALSE
9/15/17 14:00	5.7	152	31.3	30.8	FALSE
9/15/17 14:15	8.2	149	31.6	30.8	FALSE
9/15/17 14:30	5.5	119	31.5	30.8	FALSE
9/15/17 14:45	6.6	177	31.9	30.8	FALSE
9/15/17 15:00	7.4	171	32	30.8	FALSE
9/15/17 15:15	7.7	183	31.6	30.8	FALSE
9/15/17 15:30	6.7	155	32.1	30.8	FALSE
9/15/17 15:45	8.2	171	32.1	30.8	FALSE
9/15/17 16:00	6	135	32.5	30.8	FALSE
9/15/17 16:15	7	187	32.3	30.8	FALSE
9/15/17 16:30	5.1	124	32.8	30.8	FALSE
9/15/17 16:45	5	128	33.1	30.8	FALSE
9/15/17 17:00	6.3	159	32.4	30.8	FALSE
9/15/17 17:15	6.4	123	32.3	30.8	FALSE
9/15/17 17:30	6	109	32.2	30.7	FALSE
9/15/17 17:45	7.5	110	31.8	30.7	FALSE
9/15/17 18:00	6.5	115	31.8	30.7	FALSE
9/15/17 18:15	6.9	107	31.5	30.7	FALSE



9/15/17 18:30	6.6	125	31.3	30.7	FALSE
9/15/17 18:45	6.9	124	31	30.8	FALSE
9/15/17 19:00	6.5	127	30.6	30.8	FALSE
9/15/17 19:15	5.4	135	30.1	30.8	FALSE
9/15/17 19:30	4.9	131	29.6	30.8	FALSE
9/15/17 19:45	4.7	129	29.2	30.8	FALSE
9/15/17 20:00	5.5	129	28.9	30.8	FALSE
9/15/17 20:15	5.3	126	28.6	30.8	FALSE
9/15/17 20:30	7	135	28.4	30.8	FALSE
9/15/17 20:45	4.9	126	28	30.8	FALSE
9/15/17 21:00	5.3	126	27.8	30.8	FALSE
9/15/17 21:15	5.6	131	27.6	30.8	FALSE
9/15/17 21:30	5.7	125	27.3	30.8	FALSE
9/15/17 21:45	6.7	122	27.1	30.8	FALSE
9/15/17 22:00	6.2	120	26.8	30.8	FALSE
9/15/17 22:15	5.8	123	26.5	30.8	FALSE
9/15/17 22:30	5.6	126	26.2	30.8	FALSE
9/15/17 22:45	5.7	127	25.9	30.8	FALSE
9/15/17 23:00	5.5	126	25.6	30.8	FALSE
9/15/17 23:15	5.6	128	25.5	30.8	FALSE
9/15/17 23:30	5.7	127	25.3	30.8	FALSE
9/15/17 23:45	5.9	128	25.1	30.8	FALSE
9/16/17 0:00	6	131	24.9	30.8	FALSE
9/16/17 0:15	6.2	135	24.7	30.8	FALSE
9/16/17 0:30	6.8	138	24.7	30.8	FALSE
9/16/17 0:45	6.2	135	24.6	30.8	FALSE
9/16/17 1:00	6.4	132	24.6	30.8	FALSE
9/16/17 1:15	6.6	132	24.5	30.8	FALSE
9/16/17 1:30	6.9	134	24.4	30.8	FALSE
9/16/17 1:45	5.9	135	24.2	30.8	FALSE
9/16/17 2:00	5.5	132	23.9	30.8	FALSE
9/16/17 2:15	5.2	134	23.6	30.8	FALSE
9/16/17 2:30	4.8	130	23.3	30.8	FALSE
9/16/17 2:45	4.9	132	23.1	30.8	FALSE
9/16/17 3:00	3.7	126	22.8	30.8	FALSE
9/16/17 3:15	3.8	126	22.6	30.8	FALSE
9/16/17 3:30	4.2	118	22.4	30.8	FALSE
9/16/17 3:45	4	120	22.3	30.8	FALSE
9/16/17 4:00	3.3	112	22.2	30.8	FALSE
9/16/17 4:15	2.4	101	22	30.8	FALSE
9/16/17 4:30	1.2	69	21.7	30.8	FALSE
9/16/17 4:45	1.9	8	21.2	30.8	FALSE
9/16/17 5:00	1.4	47	21	30.8	FALSE
9/16/17 5:15	2	108	21.1	30.8	FALSE
9/16/17 5:30	0.8	182	20.8	30.8	1
9/16/17 5:45	1	69	20.4	30.8	1
9/16/17 6:00	0.6	335	20.2	30.8	1

9/16/17 6:15	0.8	5	20.1	30.8	1
9/16/17 6:30	0.6	335	19.8	30.8	1
9/16/17 6:45	0.9	72	19.8	30.8	1
9/16/17 7:00	2.2	136	20.2	30.8	FALSE
9/16/17 7:15	2.2	136	20.5	30.8	FALSE
9/16/17 7:30	2.9	149	20.6	30.8	FALSE
9/16/17 7:45	2.1	179	20.9	30.8	FALSE
9/16/17 8:00	3	164	21.2	30.8	FALSE
9/16/17 8:15	3.2	160	21.8	30.8	FALSE
9/16/17 8:30	4.2	154	22.4	30.8	FALSE
9/16/17 8:45	5	147	22.8	30.8	FALSE
9/16/17 9:00	5.8	151	23.4	30.8	FALSE
9/16/17 9:15	6	161	24.1	30.8	FALSE
9/16/17 9:30	5.7	167	24.8	30.8	FALSE
9/16/17 9:45	6.4	161	25.5	30.8	FALSE
9/16/17 10:00	7	159	26.2	30.8	FALSE
9/16/17 10:15	7	169	26.8	30.8	FALSE
9/16/17 10:30	6.7	171	27.2	30.8	FALSE
9/16/17 10:45	6.9	178	27.3	30.8	FALSE
9/16/17 11:00	6.9	188	27.6	30.8	FALSE
9/16/17 11:15	7.1	167	28.1	30.8	FALSE
9/16/17 11:30	6.5	144	28.8	30.8	FALSE
9/16/17 11:45	6.7	166	29.1	30.8	FALSE
9/16/17 12:00	6.9	193	29.3	30.8	FALSE
9/16/17 12:15	7.4	177	29.6	30.8	FALSE
9/16/17 12:30	6.3	201	29.4	30.8	FALSE
9/16/17 12:45	7.3	192	29.6	30.8	FALSE
9/16/17 13:00	8.5	192	30.2	30.8	FALSE
9/16/17 13:15	8.4	193	30.5	30.8	FALSE
9/16/17 13:30	7.8	178	30.4	30.8	FALSE
9/16/17 13:45	5.6	180	31	30.8	FALSE
9/16/17 14:00	4	132	31	30.8	FALSE
9/16/17 14:15	4.7	174	30.9	30.8	FALSE
9/16/17 14:30	7.3	157	31.2	30.8	FALSE
9/16/17 14:45	7.1	145	32	30.8	FALSE
9/16/17 15:00	6.3	171	31.9	30.8	FALSE
9/16/17 15:15	5.9	133	31.7	30.8	FALSE
9/16/17 15:30	7.8	100	31.8	30.8	FALSE
9/16/17 15:45	6	127	32.2	30.8	FALSE
9/16/17 16:00	7	126	32.2	30.8	FALSE
9/16/17 16:15	7.7	126	32.3	30.8	FALSE
9/16/17 16:30	6.9	116	32.4	30.8	FALSE
9/16/17 16:45	5.8	124	32.8	30.8	FALSE
9/16/17 17:00	7.4	144	32.7	30.8	FALSE
9/16/17 17:15	8.1	153	32.6	30.8	FALSE
9/16/17 17:30	5.8	139	32.7	30.8	FALSE
9/16/17 17:45	6.8	142	32.5	30.8	FALSE

9/16/17 18:00	6.5	133	32.3	30.8	FALSE
9/16/17 18:15	6.3	132	32.3	30.8	FALSE
9/16/17 18:30	6.1	124	32	30.8	FALSE
9/16/17 18:45	6.3	135	31.7	30.8	FALSE
9/16/17 19:00	6.5	135	31.3	30.8	FALSE
9/16/17 19:15	4.9	137	30.9	30.8	FALSE
9/16/17 19:30	4.5	130	30.3	30.8	FALSE
9/16/17 19:45	4.7	139	29.9	30.8	FALSE
9/16/17 20:00	3.9	137	29.6	30.8	FALSE
9/16/17 20:15	3.4	140	29.3	30.8	FALSE
9/16/17 20:30	3.1	137	29	30.8	FALSE
9/16/17 20:45	3.5	129	28.8	30.8	FALSE
9/16/17 21:00	2.8	117	28.4	30.8	FALSE
9/16/17 21:15	3.2	117	28.2	30.8	FALSE
9/16/17 21:30	3.6	127	28	30.8	FALSE
9/16/17 21:45	4.5	130	27.9	30.8	FALSE
9/16/17 22:00	4.6	131	27.7	30.8	FALSE
9/16/17 22:15	4.9	133	27.5	30.8	FALSE
9/16/17 22:30	3.6	122	27.2	30.8	FALSE
9/16/17 22:45	4.3	134	26.9	30.8	FALSE
9/16/17 23:00	4.7	147	26.7	30.8	FALSE
9/16/17 23:15	5.3	141	26.5	30.8	FALSE
9/16/17 23:30	4.6	129	26.3	30.8	FALSE
9/16/17 23:45	6.1	135	26.3	30.8	FALSE
9/17/17 0:00	6.4	139	26.2	30.8	FALSE
9/17/17 0:15	6.1	136	26	30.8	FALSE
9/17/17 0:30	6.5	139	25.9	30.8	FALSE
9/17/17 0:45	6.6	139	25.8	30.8	FALSE
9/17/17 1:00	7.1	146	25.6	30.8	FALSE
9/17/17 1:15	7.1	144	25.5	30.8	FALSE
9/17/17 1:30	6.9	142	25.4	30.8	FALSE
9/17/17 1:45	6.7	143	25.4	30.8	FALSE
9/17/17 2:00	6	151	25.3	30.8	FALSE
9/17/17 2:15	6.9	145	25.2	30.8	FALSE
9/17/17 2:30	7	143	25.2	30.8	FALSE
9/17/17 2:45	7.6	142	25.2	30.8	FALSE
9/17/17 3:00	7.1	159	25.2	30.8	FALSE
9/17/17 3:15	5.9	178	25.3	30.8	FALSE
9/17/17 3:30	5	194	25.2	30.8	FALSE
9/17/17 3:45	4.3	211	24.4	30.8	FALSE
9/17/17 4:00	2.7	179	24.1	30.8	FALSE
9/17/17 4:15	2.7	159	24.2	30.8	FALSE
9/17/17 4:30	2.6	186	24.4	30.8	FALSE
9/17/17 4:45	3.6	211	24.1	30.8	FALSE
9/17/17 5:00	1.9	200	24	30.8	FALSE
9/17/17 5:15	0.7	109	24	30.8	1
9/17/17 5:30	1.9	291	23.9	30.8	FALSE

9/17/17 5:45	0.9	21	23.8	30.8	1
9/17/17 6:00	0.7	45	23.5	30.8	1
9/17/17 6:15	0.6	91	23.4	30.8	1
9/17/17 6:30	0.8	151	23.3	30.8	1
9/17/17 6:45	1.2	173	23.3	30.8	FALSE
9/17/17 7:00	1.9	191	23.4	30.8	FALSE
9/17/17 7:15	2.6	190	23.5	30.8	FALSE
9/17/17 7:30	3.5	215	23.5	30.8	FALSE
9/17/17 7:45	2.5	231	23.5	30.8	FALSE
9/17/17 8:00	3.2	266	23.6	30.8	FALSE
9/17/17 8:15	3.7	243	23.7	30.8	FALSE
9/17/17 8:30	3.2	267	24	30.8	FALSE
9/17/17 8:45	2.1	232	24.1	30.8	FALSE
9/17/17 9:00	2.1	283	24.4	30.8	FALSE
9/17/17 9:15	3.5	274	24.5	30.8	FALSE
9/17/17 9:30	4.8	329	24.7	30.8	FALSE
9/17/17 9:45	3.9	334	25.9	30.8	FALSE
9/17/17 10:00	3.9	295	26.5	30.8	FALSE
9/17/17 10:15	4.9	337	26.6	30.8	FALSE
9/17/17 10:30	5.7	14	26.3	30.8	FALSE
9/17/17 10:45	6.3	20	26.5	30.8	FALSE
9/17/17 11:00	6.4	5	27.1	30.8	FALSE
9/17/17 11:15	4.7	3	27.8	30.8	FALSE
9/17/17 11:30	5.2	28	27.2	30.8	FALSE
9/17/17 11:45	5.1	3	27.2	30.8	FALSE
9/17/17 12:00	3.9	1	27.3	30.8	FALSE
9/17/17 12:15	3.9	11	27.6	30.8	FALSE
9/17/17 12:30	3.5	84	28	30.8	FALSE
9/17/17 12:45	4.3	283	27.9	30.8	FALSE
9/17/17 13:00	5.1	294	27.6	30.8	FALSE
9/17/17 13:15	7.6	282	27.1	30.8	FALSE
9/17/17 13:30	8.5	283	26.6	30.8	FALSE
9/17/17 13:45	8.3	266	26.4	30.8	FALSE
9/17/17 14:00	9.1	269	25.7	30.8	FALSE
9/17/17 14:15	7.1	276	25.1	30.8	FALSE
9/17/17 14:30	5.6	268	25.2	30.8	FALSE
9/17/17 14:45	4.5	260	25.6	30.8	FALSE
9/17/17 15:00	3.9	287	25.8	30.8	FALSE
9/17/17 15:15	2.7	307	25.8	30.8	FALSE
9/17/17 15:30	2.4	26	26.1	30.8	FALSE
9/17/17 15:45	3.4	335	26.8	30.8	FALSE
9/17/17 16:00	5.1	318	26.8	30.8	FALSE
9/17/17 16:15	6.1	303	26.9	30.8	FALSE
9/17/17 16:30	11.2	280	26.4	30.8	FALSE
9/17/17 16:45	10.7	295	25.1	30.8	FALSE
9/17/17 17:00	10	299	24.8	30.8	FALSE
9/17/17 17:15	9.3	302	24.4	30.8	FALSE

9/17/17 17:30	6.9	314	24.6	30.8	FALSE
9/17/17 17:45	7.7	312	24.4	30.8	FALSE
9/17/17 18:00	7.9	323	24.3	30.8	FALSE
9/17/17 18:15	9.2	332	23.9	30.8	FALSE
9/17/17 18:30	8.7	325	23.8	30.8	FALSE
9/17/17 18:45	7.5	328	23.8	30.8	FALSE
9/17/17 19:00	7.6	312	23.9	30.8	FALSE
9/17/17 19:15	7.1	308	23.9	30.8	FALSE
9/17/17 19:30	6.5	306	23.7	30.8	FALSE
9/17/17 19:45	5.3	311	23.7	30.8	FALSE
9/17/17 20:00	3.4	309	23.8	30.8	FALSE
9/17/17 20:15	4.6	307	23.8	30.8	FALSE
9/17/17 20:30	4.6	307	23.7	30.8	FALSE
9/17/17 20:45	4.3	296	23.7	30.8	FALSE
9/17/17 21:00	4.6	327	23.6	30.8	FALSE
9/17/17 21:15	3.4	354	23.4	30.8	FALSE
9/17/17 21:30	1.2	3	23.1	30.8	FALSE
9/17/17 21:45	1.8	19	22.9	30.8	FALSE
9/17/17 22:00	1.5	358	22.8	30.8	FALSE
9/17/17 22:15	1.9	5	22.7	30.8	FALSE
9/17/17 22:30	1.9	360	22.5	30.8	FALSE
9/17/17 22:45	1.8	33	22.2	30.8	FALSE
9/17/17 23:00	2.9	333	22.1	30.8	FALSE
9/17/17 23:15	2.4	14	21.9	30.8	FALSE
9/17/17 23:30	2.4	13	21.7	30.8	FALSE
9/17/17 23:45	2.7	9	21.5	30.8	FALSE
9/18/17 0:00	2.1	10	21.3	30.8	FALSE
9/18/17 0:15	1.5	32	21.2	30.8	FALSE
9/18/17 0:30	2.6	325	21.1	30.8	FALSE
9/18/17 0:45	2.8	338	21	30.8	FALSE
9/18/17 1:00	2.1	351	20.9	30.8	FALSE
9/18/17 1:15	3.1	354	20.8	30.8	FALSE
9/18/17 1:30	3.1	5	20.9	30.8	FALSE
9/18/17 1:45	3	354	20.9	30.8	FALSE
9/18/17 2:00	3.4	341	20.9	30.8	FALSE
9/18/17 2:15	3.7	359	20.9	30.8	FALSE
9/18/17 2:30	2.7	7	20.8	30.8	FALSE
9/18/17 2:45	2.5	20	20.6	30.8	FALSE
9/18/17 3:00	2.2	343	20.4	30.8	FALSE
9/18/17 3:15	1.7	348	20.1	30.8	FALSE
9/18/17 3:30	1.2	6	19.9	30.8	FALSE
9/18/17 3:45	1.3	341	19.7	30.8	FALSE
9/18/17 4:00	2.8	359	19.6	30.8	FALSE
9/18/17 4:15	3.1	356	19.5	30.8	FALSE
9/18/17 4:30	2.7	351	19.2	30.8	FALSE
9/18/17 4:45	2.7	29	19.1	30.8	FALSE
9/18/17 5:00	2.5	7	18.9	30.8	FALSE

9/18/17 5:15	1	25	18.8	30.8	1
9/18/17 5:30	0.9	61	18.6	30.8	1
9/18/17 5:45	1.4	327	18.5	30.8	FALSE
9/18/17 6:00	1.1	3	18.5	30.8	FALSE
9/18/17 6:15	1.5	19	18.6	30.8	FALSE
9/18/17 6:30	2.4	21	18.7	30.8	FALSE
9/18/17 6:45	2.1	13	18.7	30.8	FALSE
9/18/17 7:00	2	25	18.6	30.8	FALSE
9/18/17 7:15	2	5	18.6	30.8	FALSE
9/18/17 7:30	1.4	14	18.8	30.8	FALSE
9/18/17 7:45	1.4	3	19.2	30.8	FALSE
9/18/17 8:00	1.7	359	19.3	30.8	FALSE
9/18/17 8:15	2.8	354	19.4	30.8	FALSE
9/18/17 8:30	2.4	348	20.4	30.8	FALSE
9/18/17 8:45	2.9	357	21.5	30.8	FALSE
9/18/17 9:00	3.5	356	21.8	30.8	FALSE
9/18/17 9:15	3.4	343	22.4	30.8	FALSE
9/18/17 9:30	3.8	51	23.6	30.8	FALSE
9/18/17 9:45	3.5	64	23.8	30.8	FALSE
9/18/17 10:00	3.5	43	23.9	30.8	FALSE
9/18/17 10:15	3.5	93	24.4	30.8	FALSE
9/18/17 10:30	2.7	80	24.8	30.8	FALSE
9/18/17 10:45	3	115	25.5	30.8	FALSE
9/18/17 11:00	4.2	161	25.7	30.8	FALSE
9/18/17 11:15	3.1	166	26.4	30.8	FALSE
9/18/17 11:30	2.5	34	27.7	30.8	FALSE
9/18/17 11:45	2.9	143	28.1	30.8	FALSE
9/18/17 12:00	4.1	173	27.9	30.8	FALSE
9/18/17 12:15	5.4	177	28.5	30.8	FALSE
9/18/17 12:30	4.5	169	28.6	30.8	FALSE
9/18/17 12:45	4.7	168	28.4	30.8	FALSE
9/18/17 13:00	3.5	112	28.5	30.8	FALSE
9/18/17 13:15	4.1	146	28.7	30.8	FALSE
9/18/17 13:30	4.2	202	28.7	30.8	FALSE
9/18/17 13:45	6	190	28.6	30.8	FALSE
9/18/17 14:00	6.7	190	28.3	30.8	FALSE
9/18/17 14:15	5.6	178	28.6	30.8	FALSE
9/18/17 14:30	6.3	197	28.2	30.8	FALSE
9/18/17 14:45	6.7	194	28.2	30.8	FALSE
9/18/17 15:00	6.6	190	28.1	30.8	FALSE
9/18/17 15:15	6.9	194	28.4	30.8	FALSE
9/18/17 15:30	7.2	185	28.4	30.8	FALSE
9/18/17 15:45	6.6	169	28.6	30.8	FALSE
9/18/17 16:00	5.5	167	29.2	30.8	FALSE
9/18/17 16:15	5.8	170	29.5	30.7	FALSE
9/18/17 16:30	6.3	172	29.3	30.7	FALSE
9/18/17 16:45	7.4	191	28.6	30.7	FALSE

9/18/17 17:00	5.9	173	28.2	30.8	FALSE
9/18/17 17:15	5.8	199	28.1	30.8	FALSE
9/18/17 17:30	4.8	182	28	30.7	FALSE
9/18/17 17:45	5.1	177	27.8	30.7	FALSE
9/18/17 18:00	5.2	169	27.7	30.8	FALSE
9/18/17 18:15	5.4	172	27.6	30.8	FALSE
9/18/17 18:30	6.2	184	27.4	30.8	FALSE
9/18/17 18:45	5.7	186	27.1	30.8	FALSE
9/18/17 19:00	5.1	199	26.8	30.8	FALSE
9/18/17 19:15	5.3	215	26.4	30.8	FALSE
9/18/17 19:30	8.1	262	24.7	30.8	FALSE
9/18/17 19:45	7.8	274	22.6	30.8	FALSE
9/18/17 20:00	7.2	279	22.2	30.8	FALSE
9/18/17 20:15	6.2	289	22	30.8	FALSE
9/18/17 20:30	4.9	251	21.6	30.8	FALSE
9/18/17 20:45	3.9	246	21.1	30.8	FALSE
9/18/17 21:00	2.9	213	20.9	30.8	FALSE
9/18/17 21:15	2.7	102	21	30.8	FALSE
9/18/17 21:30	3.8	125	21.1	30.8	FALSE
9/18/17 21:45	4	144	21.3	30.8	FALSE
9/18/17 22:00	4.6	137	21.5	30.8	FALSE
9/18/17 22:15	5.3	130	21.5	30.8	FALSE
9/18/17 22:30	3.8	164	21.5	30.8	FALSE
9/18/17 22:45	3.5	170	21.5	30.8	FALSE
9/18/17 23:00	3.7	194	21.6	30.8	FALSE
9/18/17 23:15	4.4	187	21.4	30.8	FALSE
9/18/17 23:30	4.3	183	21.2	30.8	FALSE
9/18/17 23:45	3.8	199	21	30.8	FALSE
9/19/17 0:00	2.6	239	21	30.8	FALSE
9/19/17 0:15	4.5	280	20.9	30.8	FALSE
9/19/17 0:30	3.7	289	20.9	30.8	FALSE
9/19/17 0:45	3	290	20.9	30.8	FALSE
9/19/17 1:00	3.6	275	20.9	30.8	FALSE
9/19/17 1:15	3.6	263	20.8	30.8	FALSE
9/19/17 1:30	2.3	215	20.8	30.8	FALSE
9/19/17 1:45	2.8	186	20.7	30.8	FALSE
9/19/17 2:00	2.6	169	20.7	30.8	FALSE
9/19/17 2:15	2.7	150	20.6	30.8	FALSE
9/19/17 2:30	2.6	245	20.5	30.8	FALSE
9/19/17 2:45	2.5	257	20.4	30.8	FALSE
9/19/17 3:00	2.8	264	20.4	30.8	FALSE
9/19/17 3:15	1.9	301	20.3	30.8	FALSE
9/19/17 3:30	2.6	311	20.3	30.8	FALSE
9/19/17 3:45	2.5	359	20.2	30.8	FALSE
9/19/17 4:00	2.4	40	20	30.8	FALSE
9/19/17 4:15	2.1	359	19.8	30.8	FALSE
9/19/17 4:30	2.2	342	19.5	30.8	FALSE

9/19/17 4:45	1	337	19.5	30.7	1
9/19/17 5:00	0.8	47	19.5	30.7	1
9/19/17 5:15	0.8	79	19.5	30.7	1
9/19/17 5:30	1.3	137	19.6	30.7	FALSE
9/19/17 5:45	1.6	203	19.7	30.7	FALSE
9/19/17 6:00	1.9	272	19.8	30.7	FALSE
9/19/17 6:15	2.1	274	19.6	30.7	FALSE
9/19/17 6:30	0.8	186	19.6	30.8	1
9/19/17 6:45	1.3	349	19.6	30.8	FALSE
9/19/17 7:00	2.4	36	19.4	30.8	FALSE
9/19/17 7:15	1.3	40	19.4	30.8	FALSE
9/19/17 7:30	2.5	18	19.4	30.8	FALSE
9/19/17 7:45	2.3	45	19.4	30.8	FALSE
9/19/17 8:00	2.1	27	19.4	30.8	FALSE
9/19/17 8:15	1.8	10	19.4	30.8	FALSE
9/19/17 8:30	2	24	19.5	30.8	FALSE
9/19/17 8:45	1.5	80	19.7	30.8	FALSE
9/19/17 9:00	2	86	20.1	30.8	FALSE
9/19/17 9:15	2.4	117	20.7	30.8	FALSE
9/19/17 9:30	2.8	105	21.7	30.8	FALSE
9/19/17 9:45	2.5	115	22.9	30.8	FALSE
9/19/17 10:00	2.8	109	23.6	30.8	FALSE
9/19/17 10:15	3	106	24.1	30.8	FALSE
9/19/17 10:30	2.9	89	24.7	30.8	FALSE
9/19/17 10:45	2.9	82	25.2	30.8	FALSE
9/19/17 11:00	3.5	58	25.8	30.8	FALSE
9/19/17 11:15	3.6	112	26.1	30.8	FALSE
9/19/17 11:30	3.7	71	26.9	30.8	FALSE
9/19/17 11:45	2.9	122	27	30.8	FALSE
9/19/17 12:00	3.4	118	27.6	30.8	FALSE
9/19/17 12:15	3.1	129	27.2	30.8	FALSE
9/19/17 12:30	3.3	108	27.5	30.8	FALSE
9/19/17 12:45	3.5	112	28.2	30.8	FALSE
9/19/17 13:00	4.2	190	28.6	30.8	FALSE
9/19/17 13:15	4.8	222	28.7	30.7	FALSE
9/19/17 13:30	7.2	194	28.2	30.7	FALSE
9/19/17 13:45	6	205	28.6	30.7	FALSE
9/19/17 14:00	5.7	215	28.8	30.7	FALSE
9/19/17 14:15	5.3	211	29	30.7	FALSE
9/19/17 14:30	5.2	184	29.5	30.7	FALSE
9/19/17 14:45	5.4	244	29.7	30.7	FALSE
9/19/17 15:00	5.5	224	29.6	30.7	FALSE
9/19/17 15:15	3.8	190	30.4	30.7	FALSE
9/19/17 15:30	4.5	170	30.7	30.7	FALSE
9/19/17 15:45	5.1	265	30.5	30.7	FALSE
9/19/17 16:00	3.5	324	30.8	30.7	FALSE
9/19/17 16:15	3.3	240	31.1	30.7	FALSE



9/19/17 16:30	3.3	265	31.6	30.7	FALSE
9/19/17 16:45	3	270	32.6	30.7	FALSE
9/19/17 17:00	4.4	326	31.9	30.7	FALSE
9/19/17 17:15	3.8	24	31.8	30.7	FALSE
9/19/17 17:30	4.4	15	31.6	30.7	FALSE
9/19/17 17:45	4.5	13	31.4	30.7	FALSE
9/19/17 18:00	4.3	17	31.2	30.7	FALSE
9/19/17 18:15	4.4	355	31.3	30.7	FALSE
9/19/17 18:30	3.4	12	30.9	30.7	FALSE
9/19/17 18:45	3.8	13	30.9	30.7	FALSE
9/19/17 19:00	3.6	28	29.8	30.7	FALSE
9/19/17 19:15	4.5	75	29.6	30.7	FALSE
9/19/17 19:30	3.9	85	29.2	30.7	FALSE
9/19/17 19:45	4	84	28.8	30.7	FALSE
9/19/17 20:00	4.5	78	28.5	30.7	FALSE
9/19/17 20:15	4.3	86	28.2	30.7	FALSE
9/19/17 20:30	2.9	94	28.1	30.7	FALSE
9/19/17 20:45	3.4	92	28	30.7	FALSE
9/19/17 21:00	2.6	105	27.8	30.7	FALSE
9/19/17 21:15	3.6	105	27.7	30.7	FALSE
9/19/17 21:30	4.4	119	27.8	30.7	FALSE
9/19/17 21:45	5.4	124	27.8	30.7	FALSE
9/19/17 22:00	6.4	126	27.7	30.7	FALSE
9/19/17 22:15	6	129	27.5	30.7	FALSE
9/19/17 22:30	5.6	127	27.3	30.7	FALSE
9/19/17 22:45	6.9	126	27.1	30.7	FALSE
9/19/17 23:00	6.5	127	26.9	30.7	FALSE
9/19/17 23:15	6.8	123	26.7	30.7	FALSE
9/19/17 23:30	7.4	126	26.6	30.7	FALSE
9/19/17 23:45	7.1	125	26.4	30.7	FALSE
9/20/17 0:00	6	127	26.2	30.7	FALSE
9/20/17 0:15	6.7	133	26.1	30.7	FALSE
9/20/17 0:30	5.8	131	26	30.7	FALSE
9/20/17 0:45	5.4	124	25.8	30.7	FALSE
9/20/17 1:00	6.2	131	25.7	30.7	FALSE
9/20/17 1:15	7.1	138	25.6	30.7	FALSE
9/20/17 1:30	6.1	143	25.5	30.7	FALSE
9/20/17 1:45	6	152	25.3	30.7	FALSE
9/20/17 2:00	5	154	25.1	30.7	FALSE
9/20/17 2:15	5.3	153	24.9	30.7	FALSE
9/20/17 2:30	5.9	148	24.9	30.7	FALSE
9/20/17 2:45	5.5	140	24.6	30.7	FALSE
9/20/17 3:00	5.4	141	24.5	30.7	FALSE
9/20/17 3:15	4.4	137	24.3	30.7	FALSE
9/20/17 3:30	4.7	137	24.2	30.7	FALSE
9/20/17 3:45	4.9	152	24.1	30.7	FALSE
9/20/17 4:00	4.1	156	23.9	30.7	FALSE

9/20/17 4:15	4.7	155	23.8	30.7	FALSE
9/20/17 4:30	3.3	170	23.8	30.7	FALSE
9/20/17 4:45	3.8	154	23.6	30.7	FALSE
9/20/17 5:00	3.6	136	23.5	30.7	FALSE
9/20/17 5:15	3.8	146	23.4	30.7	FALSE
9/20/17 5:30	3.6	151	23.4	30.7	FALSE
9/20/17 5:45	3.9	141	23.4	30.7	FALSE
9/20/17 6:00	2.4	121	23.3	30.7	FALSE
9/20/17 6:15	2.3	126	23.2	30.7	FALSE
9/20/17 6:30	3.8	126	23.2	30.7	FALSE
9/20/17 6:45	3.8	128	23.3	30.7	FALSE
9/20/17 7:00	4.5	150	23.3	30.7	FALSE
9/20/17 7:15	4.4	153	23.3	30.7	FALSE
9/20/17 7:30	4	148	23.3	30.7	FALSE
9/20/17 7:45	4.2	132	23.5	30.7	FALSE
9/20/17 8:00	7.1	141	24	30.7	FALSE
9/20/17 8:15	8.7	143	24	30.7	FALSE
9/20/17 8:30	6.4	156	24.5	30.7	FALSE
9/20/17 8:45	5.5	168	24.8	30.7	FALSE
9/20/17 9:00	5.9	167	25.1	30.7	FALSE
9/20/17 9:15	6.1	169	25.6	30.7	FALSE
9/20/17 9:30	6.7	168	26.1	30.7	FALSE
9/20/17 9:45	8.2	165	26.6	30.7	FALSE
9/20/17 10:00	8.8	174	26.9	30.7	FALSE
9/20/17 10:15	7.8	175	27.5	30.7	FALSE
9/20/17 10:30	6.8	171	28.1	30.7	FALSE
9/20/17 10:45	8.2	180	28.5	30.7	FALSE
9/20/17 11:00	7.9	179	28.9	30.7	FALSE
9/20/17 11:15	9.3	184	29.1	30.7	FALSE
9/20/17 11:30	9.1	185	29.3	30.7	FALSE
9/20/17 11:45	8.4	173	29.9	30.7	FALSE
9/20/17 12:00	9	187	29.9	30.7	FALSE
9/20/17 12:15	8.5	168	30.4	30.7	FALSE
9/20/17 12:30	7.7	178	30.7	30.7	FALSE
9/20/17 12:45	7.1	177	31	30.7	FALSE
9/20/17 13:00	7.6	201	31.4	30.7	FALSE
9/20/17 13:15	6.6	191	31.5	30.7	FALSE
9/20/17 13:30	6.5	175	32.2	30.7	FALSE
9/20/17 13:45	6.4	195	32.7	30.7	FALSE
9/20/17 14:00	5.8	163	32.9	30.7	FALSE
9/20/17 14:15	6	208	33.6	30.7	FALSE
9/20/17 14:30	6.1	185	33.2	30.7	FALSE
9/20/17 14:45	5.7	174	33.7	30.7	FALSE
9/20/17 15:00	8	181	34.1	30.7	FALSE
9/20/17 15:15	6.3	149	34.5	30.7	FALSE
9/20/17 15:30	6.8	152	35.1	30.7	FALSE
9/20/17 15:45	7.2	150	35.5	30.7	FALSE

9/20/17 16:00	7.3	153	35.5	30.7	FALSE
9/20/17 16:15	7.9	168	35.5	30.7	FALSE
9/20/17 16:30	6.8	149	36	30.7	FALSE
9/20/17 16:45	6.8	156	36	30.7	FALSE
9/20/17 17:00	5.9	186	35.7	30.7	FALSE
9/20/17 17:15	7	178	35.5	30.7	FALSE
9/20/17 17:30	6.6	150	35.7	30.7	FALSE
9/20/17 17:45	7	136	35.6	30.7	FALSE
9/20/17 18:00	7.5	134	35.2	30.7	FALSE
9/20/17 18:15	7.3	130	34.9	30.7	FALSE
9/20/17 18:30	7.2	132	34.7	30.7	FALSE
9/20/17 18:45	8	131	34.3	30.7	FALSE
9/20/17 19:00	7.9	134	33.9	30.7	FALSE
9/20/17 19:15	6.9	136	33.4	30.7	FALSE
9/20/17 19:30	7	139	33	30.7	FALSE
9/20/17 19:45	6.7	140	32.6	30.7	FALSE
9/20/17 20:00	7.7	136	32.3	30.7	FALSE
9/20/17 20:15	6.7	134	31.9	30.7	FALSE
9/20/17 20:30	7.4	138	31.6	30.7	FALSE
9/20/17 20:45	7.4	140	31.4	30.7	FALSE
9/20/17 21:00	6.6	143	31.1	30.7	FALSE
9/20/17 21:15	7	139	30.7	30.7	FALSE
9/20/17 21:30	7.9	142	30.5	30.7	FALSE
9/20/17 21:45	6.3	145	30.1	30.7	FALSE
9/20/17 22:00	7.8	141	30	30.7	FALSE
9/20/17 22:15	7.9	142	29.9	30.7	FALSE
9/20/17 22:30	7.1	153	29.6	30.7	FALSE
9/20/17 22:45	5.8	157	29.4	30.7	FALSE
9/20/17 23:00	7.4	156	29.3	30.7	FALSE
9/20/17 23:15	6.6	159	29.1	30.7	FALSE
9/20/17 23:30	7.1	155	28.9	30.7	FALSE
9/20/17 23:45	5.5	161	28.8	30.7	FALSE
9/21/17 0:00	6.2	158	28.6	30.7	FALSE
9/21/17 0:15	7.8	159	28.6	30.7	FALSE
9/21/17 0:30	7.3	172	28.6	30.7	FALSE
9/21/17 0:45	6.5	180	28.3	30.7	FALSE
9/21/17 1:00	6.5	172	28	30.7	FALSE
9/21/17 1:15	5.7	170	28	30.7	FALSE
9/21/17 1:30	5.8	172	27.9	30.8	FALSE
9/21/17 1:45	5.2	179	27.7	30.8	FALSE
9/21/17 2:00	4.5	182	27.4	30.8	FALSE
9/21/17 2:15	4.3	182	27.1	30.8	FALSE
9/21/17 2:30	3.2	181	26.7	30.8	FALSE
9/21/17 2:45	2.2	159	26.5	30.8	FALSE
9/21/17 3:00	2.5	156	26.4	30.8	FALSE
9/21/17 3:15	3.8	151	26.4	30.8	FALSE
9/21/17 3:30	5.6	148	26.4	30.8	FALSE

9/21/17 3:45	4.2	164	26.4	30.8	FALSE
9/21/17 4:00	4.9	164	26.4	30.8	FALSE
9/21/17 4:15	5.7	158	26.3	30.8	FALSE
9/21/17 4:30	5.1	154	26.1	30.8	FALSE
9/21/17 4:45	3.5	155	25.8	30.8	FALSE
9/21/17 5:00	3.3	145	25.6	30.8	FALSE
9/21/17 5:15	3.5	134	25.5	30.8	FALSE
9/21/17 5:30	3	126	25	30.8	FALSE
9/21/17 5:45	3.8	156	25	30.8	FALSE
9/21/17 6:00	3.5	167	25.2	30.8	FALSE
9/21/17 6:15	5	156	25	30.8	FALSE
9/21/17 6:30	3.8	163	25	30.8	FALSE
9/21/17 6:45	3.6	163	24.9	30.8	FALSE
9/21/17 7:00	5.3	154	24.8	30.8	FALSE
9/21/17 7:15	5.3	147	24.8	30.8	FALSE
9/21/17 7:30	4.4	140	24.7	30.8	FALSE
9/21/17 7:45	4.1	148	24.7	30.8	FALSE
9/21/17 8:00	3.7	161	24.9	30.8	FALSE
9/21/17 8:15	4.8	173	25.2	30.8	FALSE
9/21/17 8:30	5.3	168	25.7	30.8	FALSE
9/21/17 8:45	5.1	168	26.2	30.8	FALSE
9/21/17 9:00	5.6	171	26.7	30.8	FALSE
9/21/17 9:15	5.7	174	27.2	30.8	FALSE
9/21/17 9:30	6.2	180	27.7	30.8	FALSE
9/21/17 9:45	7.3	200	27.6	30.8	FALSE
9/21/17 10:00	6.1	204	27.4	30.8	FALSE
9/21/17 10:15	4.2	236	27.8	30.8	FALSE
9/21/17 10:30	3.5	252	28	30.8	FALSE
9/21/17 10:45	2.5	225	28.4	30.8	FALSE
9/21/17 11:00	3.3	195	28.7	30.8	FALSE
9/21/17 11:15	2.3	88	29.2	30.8	FALSE
9/21/17 11:30	3.6	63	29.5	30.8	FALSE
9/21/17 11:45	4.1	31	29.4	30.8	FALSE
9/21/17 12:00	5.2	47	29.5	30.8	FALSE
9/21/17 12:15	5.1	55	29.5	30.8	FALSE
9/21/17 12:30	6.4	51	29.4	30.8	FALSE
9/21/17 12:45	6.6	64	29.5	30.8	FALSE
9/21/17 13:00	6.5	66	29.4	30.8	FALSE
9/21/17 13:15	6.3	70	29.8	30.8	FALSE
9/21/17 13:30	6	78	30.2	30.8	FALSE
9/21/17 13:45	6.2	82	30.6	30.8	FALSE
9/21/17 14:00	7.4	79	30.8	30.8	FALSE
9/21/17 14:15	7.8	76	30.6	30.8	FALSE
9/21/17 14:30	8.2	74	30.6	30.8	FALSE
9/21/17 14:45	6.6	68	30.8	30.8	FALSE
9/21/17 15:00	7.8	79	30.9	30.8	FALSE
9/21/17 15:15	7.8	83	30.9	30.8	FALSE

9/21/17 15:30	6.8	91	31.2	30.8	FALSE
9/21/17 15:45	6.6	79	31.4	30.8	FALSE
9/21/17 16:00	5.8	88	31.6	30.8	FALSE
9/21/17 16:15	6.9	94	31.7	30.8	FALSE
9/21/17 16:30	7.4	90	31.8	30.8	FALSE
9/21/17 16:45	7.5	89	31.8	30.8	FALSE
9/21/17 17:00	7.8	91	31.8	30.8	FALSE
9/21/17 17:15	8.3	90	31.7	30.8	FALSE
9/21/17 17:30	7.8	94	31.7	30.8	FALSE
9/21/17 17:45	7.5	92	31.6	30.8	FALSE
9/21/17 18:00	6.2	97	31.5	30.8	FALSE
9/21/17 18:15	5.9	97	31.4	30.8	FALSE
9/21/17 18:30	5.8	103	31.8	30.8	FALSE
9/21/17 18:45	7.2	109	31.8	30.8	FALSE
9/21/17 19:00	7.2	109	31.5	30.8	FALSE
9/21/17 19:15	6.7	109	31.1	30.8	FALSE
9/21/17 19:30	6.1	110	30.8	30.7	FALSE
9/21/17 19:45	5.8	107	30.5	30.8	FALSE
9/21/17 20:00	4.9	104	30.2	30.8	FALSE
9/21/17 20:15	4	102	29.9	30.8	FALSE
9/21/17 20:30	4.4	104	29.7	30.8	FALSE
9/21/17 20:45	4	100	29.4	30.8	FALSE
9/21/17 21:00	4.9	107	29.3	30.8	FALSE
9/21/17 21:15	4.8	108	29.2	30.8	FALSE
9/21/17 21:30	5.2	111	29.1	30.8	FALSE
9/21/17 21:45	4.5	113	29	30.8	FALSE
9/21/17 22:00	4.8	115	28.8	30.8	FALSE
9/21/17 22:15	4.3	114	28.7	30.8	FALSE
9/21/17 22:30	4.6	118	28.6	30.8	FALSE
9/21/17 22:45	5.4	124	28.7	30.8	FALSE
9/21/17 23:00	6.2	133	28.5	30.8	FALSE
9/21/17 23:15	6.1	133	28.2	30.8	FALSE
9/21/17 23:30	6.4	136	28.1	30.8	FALSE
9/21/17 23:45	6.9	136	28	30.8	FALSE
9/22/17 0:00	5.6	131	27.8	30.8	FALSE
9/22/17 0:15	5	131	27.5	30.8	FALSE
9/22/17 0:30	5	138	27.4	30.8	FALSE
9/22/17 0:45	3.7	124	27.1	30.8	FALSE
9/22/17 1:00	4.5	110	26.8	30.8	FALSE
9/22/17 1:15	5.1	112	26.6	30.8	FALSE
9/22/17 1:30	5.6	121	26.7	30.8	FALSE
9/22/17 1:45	5.5	126	26.6	30.8	FALSE
9/22/17 2:00	5	127	26.5	30.8	FALSE
9/22/17 2:15	5.7	129	26.3	30.8	FALSE
9/22/17 2:30	6.7	137	26.3	30.8	FALSE
9/22/17 2:45	6.6	138	26.2	30.8	FALSE
9/22/17 3:00	6.7	144	26.1	30.8	FALSE

9/22/17 3:15	4.3	165	25.9	30.8	FALSE
9/22/17 3:30	2.5	176	25.6	30.8	FALSE
9/22/17 3:45	3.4	147	25.5	30.8	FALSE
9/22/17 4:00	3.1	153	25.4	30.8	FALSE
9/22/17 4:15	1.9	157	25.1	30.8	FALSE
9/22/17 4:30	2.8	179	24.9	30.8	FALSE
9/22/17 4:45	3.3	147	24.8	30.8	FALSE
9/22/17 5:00	3.5	147	24.7	30.8	FALSE
9/22/17 5:15	1.9	117	24.4	30.8	FALSE
9/22/17 5:30	2.2	143	24.1	30.8	FALSE
9/22/17 5:45	2.5	121	24.2	30.8	FALSE
9/22/17 6:00	2.4	118	23.9	30.8	FALSE
9/22/17 6:15	1.7	114	23.7	30.8	FALSE
9/22/17 6:30	0.8	68	23.4	30.8	1
9/22/17 6:45	1.8	74	23.3	30.8	FALSE
9/22/17 7:00	2.2	103	23.4	30.8	FALSE
9/22/17 7:15	2	126	23.5	30.8	FALSE
9/22/17 7:30	1.8	127	23.5	30.8	FALSE
9/22/17 7:45	1.3	98	23.6	30.8	FALSE
9/22/17 8:00	0.9	134	24.4	30.8	1
9/22/17 8:15	0.6	140	25.7	30.8	1
9/22/17 8:30	1.4	164	26.5	30.8	FALSE
9/22/17 8:45	3	175	26.4	30.8	FALSE
9/22/17 9:00	3.1	154	26.6	30.8	FALSE
9/22/17 9:15	2.5	153	27.5	30.8	FALSE
9/22/17 9:30	3.9	151	28.1	30.8	FALSE
9/22/17 9:45	4	176	28.4	30.8	FALSE
9/22/17 10:00	4.6	170	29	30.8	FALSE
9/22/17 10:15	4.8	173	29.4	30.8	FALSE
9/22/17 10:30	4.8	173	30	30.8	FALSE
9/22/17 10:45	7.1	226	29.8	30.8	FALSE
9/22/17 11:00	6.8	199	30	30.8	FALSE
9/22/17 11:15	6.5	196	30.4	30.8	FALSE
9/22/17 11:30	6.6	183	30.7	30.8	FALSE
9/22/17 11:45	5.6	165	31.4	30.8	FALSE
9/22/17 12:00	6.4	164	31.8	30.8	FALSE
9/22/17 12:15	6.8	165	32	30.8	FALSE
9/22/17 12:30	5.9	128	32.5	30.8	FALSE
9/22/17 12:45	6	175	32.5	30.8	FALSE
9/22/17 13:00	6.3	174	32.9	30.8	FALSE
9/22/17 13:15	6.1	156	33	30.8	FALSE
9/22/17 13:30	7.8	149	33.4	30.8	FALSE
9/22/17 13:45	6.4	135	33.8	30.8	FALSE
9/22/17 14:00	6.9	188	33.6	30.8	FALSE
9/22/17 14:15	7	158	34	30.8	FALSE
9/22/17 14:30	8.6	132	34.3	30.8	FALSE
9/22/17 14:45	7.3	132	34.4	30.8	FALSE

9/22/17 15:00	6.7	142	34.7	30.8	FALSE
9/22/17 15:15	7.8	131	34.7	30.8	FALSE
9/22/17 15:30	6.3	127	34.3	30.8	FALSE
9/22/17 15:45	6.6	121	34.4	30.8	FALSE
9/22/17 16:00	5.5	125	35.1	30.8	FALSE
9/22/17 16:15	7.2	118	35.3	30.8	FALSE
9/22/17 16:30	7.1	148	35.3	30.8	FALSE
9/22/17 16:45	6.6	134	35.4	30.8	FALSE
9/22/17 17:00	7.9	139	35.1	30.8	FALSE
9/22/17 17:15	7.8	163	34.9	30.8	FALSE
9/22/17 17:30	5.1	131	35	30.8	FALSE
9/22/17 17:45	6.7	120	34.7	30.8	FALSE
9/22/17 18:00	5.6	131	34.7	30.8	FALSE
9/22/17 18:15	5.6	128	34.3	30.8	FALSE
9/22/17 18:30	5.4	144	34.1	30.8	FALSE
9/22/17 18:45	4.5	142	33.9	30.8	FALSE
9/22/17 19:00	3.8	122	33.4	30.8	FALSE
9/22/17 19:15	2.9	117	32.7	30.8	FALSE
9/22/17 19:30	3.6	111	32.3	30.8	FALSE
9/22/17 19:45	3	98	31.8	30.8	FALSE
9/22/17 20:00	2.9	94	31.4	30.8	FALSE
9/22/17 20:15	3.1	93	30.9	30.8	FALSE
9/22/17 20:30	3.1	107	30.7	30.8	FALSE
9/22/17 20:45	3.3	111	30.6	30.8	FALSE
9/22/17 21:00	3	120	30.2	30.8	FALSE
9/22/17 21:15	3.5	114	29.9	30.8	FALSE
9/22/17 21:30	3.6	111	29.8	30.8	FALSE
9/22/17 21:45	3.5	112	29.7	30.8	FALSE
9/22/17 22:00	2.9	119	29.6	30.8	FALSE
9/22/17 22:15	3	128	29.3	30.8	FALSE
9/22/17 22:30	2.5	112	29.1	30.8	FALSE
9/22/17 22:45	2.5	121	28.7	30.8	FALSE
9/22/17 23:00	2.9	126	28.7	30.8	FALSE
9/22/17 23:15	2.1	162	28.2	30.8	FALSE
9/22/17 23:30	1	194	27.2	30.8	1
9/22/17 23:45	0.8	163	26.6	30.8	1
9/23/17 0:00	1.3	183	26.5	30.8	FALSE
9/23/17 0:15	1.8	193	26.3	30.8	FALSE
9/23/17 0:30	1.4	160	26.2	30.8	FALSE
9/23/17 0:45	1.3	46	25.6	30.8	FALSE
9/23/17 1:00	1.6	20	24.6	30.8	FALSE
9/23/17 1:15	1.5	3	24	30.8	FALSE
9/23/17 1:30	0.6	308	23.7	30.8	1
9/23/17 1:45	0.6	215	23.9	30.8	1
9/23/17 2:00	0.6	114	24.1	30.8	1
9/23/17 2:15	0.7	27	23.8	30.8	1
9/23/17 2:30	1	44	23.7	30.8	1

9/23/17 2:45	0.7	72	23.5	30.8	1
9/23/17 3:00	0.7	30	23.6	30.8	1
9/23/17 3:15	0.8	1	23.3	30.8	1
9/23/17 3:30	1.2	359	22.9	30.8	FALSE
9/23/17 3:45	1.1	11	22.6	30.8	FALSE
9/23/17 4:00	0.8	32	22.5	30.8	1
9/23/17 4:15	1.1	360	22.1	30.8	FALSE
9/23/17 4:30	0.8	18	21.8	30.8	1
9/23/17 4:45	1	5	21.6	30.8	1
9/23/17 5:00	0.9	42	21.7	30.8	1
9/23/17 5:15	1	28	21.5	30.8	1
9/23/17 5:30	0.7	41	21.5	30.8	1
9/23/17 5:45	0.6	8	21.4	30.8	1
9/23/17 6:00	1.4	23	21.4	30.8	FALSE
9/23/17 6:15	1.1	7	21.2	30.8	FALSE
9/23/17 6:30	1.2	29	20.9	30.8	FALSE
9/23/17 6:45	1.3	344	20.8	30.8	FALSE
9/23/17 7:00	1.4	358	20.8	30.8	FALSE
9/23/17 7:15	0.9	346	20.6	30.8	1
9/23/17 7:30	1.4	14	20.7	30.8	FALSE
9/23/17 7:45	1.5	96	21.7	30.8	FALSE
9/23/17 8:00	0.6	66	22.8	30.8	1
9/23/17 8:15	1	126	24	30.8	1
9/23/17 8:30	0.6	178	25.2	30.8	1
9/23/17 8:45	1.2	130	26.2	30.8	FALSE
9/23/17 9:00	1.3	87	26.8	30.8	FALSE
9/23/17 9:15	2.6	67	26.9	30.8	FALSE
9/23/17 9:30	2.2	84	27.4	30.8	FALSE
9/23/17 9:45	2.6	99	28	30.8	FALSE
9/23/17 10:00	1.8	187	29	30.8	FALSE
9/23/17 10:15	1.9	185	29.9	30.8	FALSE
9/23/17 10:30	2.7	50	30	30.8	FALSE
9/23/17 10:45	2.7	95	30.1	30.8	FALSE
9/23/17 11:00	2.7	206	30.6	30.8	FALSE
9/23/17 11:15	2.9	214	31.2	30.8	FALSE
9/23/17 11:30	2.3	106	31.9	30.8	FALSE
9/23/17 11:45	3.3	37	31.9	30.8	FALSE
9/23/17 12:00	2.7	139	32.4	30.8	FALSE
9/23/17 12:15	4.1	177	32.2	30.8	FALSE
9/23/17 12:30	3.9	85	32.3	30.8	FALSE
9/23/17 12:45	5.2	64	32.2	30.8	FALSE
9/23/17 13:00	4.9	169	32	30.8	FALSE
9/23/17 13:15	4.8	149	32.5	30.8	FALSE
9/23/17 13:30	4.9	66	33	30.8	FALSE
9/23/17 13:45	4.7	50	32.9	30.8	FALSE
9/23/17 14:00	5.1	50	33	30.8	FALSE
9/23/17 14:15	4.9	68	33.3	30.8	FALSE



9/23/17 14:30	4.5	67	33.7	30.8	FALSE
9/23/17 14:45	6.5	72	33.3	30.8	FALSE
9/23/17 15:00	6.1	83	33	30.8	FALSE
9/23/17 15:15	5.1	116	33.6	30.8	FALSE
9/23/17 15:30	5.6	48	33.3	30.8	FALSE
9/23/17 15:45	5.1	76	33.3	30.8	FALSE
9/23/17 16:00	5	114	33.8	30.8	FALSE
9/23/17 16:15	7.6	54	33.4	30.8	FALSE
9/23/17 16:30	7.5	40	33.1	30.8	FALSE
9/23/17 16:45	5.6	61	33.2	30.8	FALSE
9/23/17 17:00	5.3	64	33.4	30.8	FALSE
9/23/17 17:15	5.7	37	33.3	30.8	FALSE
9/23/17 17:30	5.4	63	33.2	30.8	FALSE
9/23/17 17:45	5.9	49	33.2	30.8	FALSE
9/23/17 18:00	6	56	32.8	30.8	FALSE
9/23/17 18:15	5.7	59	32.7	30.8	FALSE
9/23/17 18:30	5.4	43	32.5	30.8	FALSE
9/23/17 18:45	6	65	32.1	30.8	FALSE
9/23/17 19:00	3.8	66	31.7	30.8	FALSE
9/23/17 19:15	2.6	42	31.1	30.8	FALSE
9/23/17 19:30	2.7	40	30.4	30.8	FALSE
9/23/17 19:45	2.9	50	29.9	30.8	FALSE
9/23/17 20:00	2.3	49	29.4	30.8	FALSE
9/23/17 20:15	2	56	29	30.8	FALSE
9/23/17 20:30	2.5	68	28.8	30.8	FALSE
9/23/17 20:45	3	63	28.8	30.8	FALSE
9/23/17 21:00	3.3	66	28.6	30.8	FALSE
9/23/17 21:15	3.3	65	28.5	30.8	FALSE
9/23/17 21:30	3.6	75	28.3	30.8	FALSE
9/23/17 21:45	4.7	77	28.4	30.8	FALSE
9/23/17 22:00	4.5	81	28.1	30.8	FALSE
9/23/17 22:15	4.5	85	27.9	30.8	FALSE
9/23/17 22:30	4.3	88	27.7	30.8	FALSE
9/23/17 22:45	3.7	87	27.7	30.8	FALSE
9/23/17 23:00	4	80	27.4	30.8	FALSE
9/23/17 23:15	3.8	86	27.1	30.8	FALSE
9/23/17 23:30	3.5	96	26.8	30.8	FALSE
9/23/17 23:45	3.8	111	27	30.8	FALSE
9/24/17 0:00	3.9	114	27.1	30.8	FALSE
9/24/17 0:15	4	120	27.2	30.8	FALSE
9/24/17 0:30	4.5	132	27.1	30.8	FALSE
9/24/17 0:45	3.8	125	26.8	30.8	FALSE
9/24/17 1:00	3.7	125	26.5	30.8	FALSE
9/24/17 1:15	3.9	125	26.4	30.8	FALSE
9/24/17 1:30	4.7	122	26.2	30.8	FALSE
9/24/17 1:45	4.6	125	26	30.8	FALSE
9/24/17 2:00	5	122	25.9	30.8	FALSE

9/24/17 2:15	4.8	120	25.7	30.8	FALSE
9/24/17 2:30	4.5	116	25.6	30.8	FALSE
9/24/17 2:45	5.6	112	25.4	30.8	FALSE
9/24/17 3:00	4.8	107	25.3	30.8	FALSE
9/24/17 3:15	3.2	112	25.1	30.8	FALSE
9/24/17 3:30	2.9	98	24.8	30.8	FALSE
9/24/17 3:45	2	3	24.1	30.8	FALSE
9/24/17 4:00	2	345	23.3	30.8	FALSE
9/24/17 4:15	1.6	14	22.8	30.8	FALSE
9/24/17 4:30	2.3	32	22.8	30.8	FALSE
9/24/17 4:45	1.9	59	23.1	30.8	FALSE
9/24/17 5:00	1.9	94	23	30.8	FALSE
9/24/17 5:15	1.4	88	22.8	30.8	FALSE
9/24/17 5:30	1.9	5	22.4	30.8	FALSE
9/24/17 5:45	1.8	28	21.6	30.8	FALSE
9/24/17 6:00	1.7	62	21.2	30.8	FALSE
9/24/17 6:15	2	51	21.6	30.8	FALSE
9/24/17 6:30	1	25	21.4	30.8	1
9/24/17 6:45	0.9	36	21.1	30.8	1
9/24/17 7:00	1.2	30	21	30.8	FALSE
9/24/17 7:15	1	325	20.9	30.8	1
9/24/17 7:30	0.7	6	20.9	30.8	1
9/24/17 7:45	0.8	18	21.4	30.8	1
9/24/17 8:00	0.7	354	22.3	30.8	1
9/24/17 8:15	1.6	53	23.5	30.8	FALSE
9/24/17 8:30	2.7	102	24	30.8	FALSE
9/24/17 8:45	2.5	103	25	30.8	FALSE
9/24/17 9:00	3.3	105	25.6	30.8	FALSE
9/24/17 9:15	5.6	138	26.1	30.8	FALSE
9/24/17 9:30	6	142	26.2	30.8	FALSE
9/24/17 9:45	4.9	135	27	30.8	FALSE
9/24/17 10:00	4.7	124	27.7	30.8	FALSE
9/24/17 10:15	4	118	28.4	30.8	FALSE
9/24/17 10:30	4.5	115	28.7	30.8	FALSE
9/24/17 10:45	5.1	112	29.1	30.8	FALSE
9/24/17 11:00	3.9	132	29.8	30.8	FALSE
9/24/17 11:15	4.5	140	30.2	30.8	FALSE
9/24/17 11:30	4.9	142	30.3	30.8	FALSE
9/24/17 11:45	4.2	148	30.9	30.8	FALSE
9/24/17 12:00	4.2	141	31.3	30.8	FALSE
9/24/17 12:15	4.9	137	31.4	30.8	FALSE
9/24/17 12:30	3.8	124	31.6	30.8	FALSE
9/24/17 12:45	5.3	178	31.7	30.8	FALSE
9/24/17 13:00	5.5	95	31.2	30.8	FALSE
9/24/17 13:15	4.6	97	31.6	30.8	FALSE
9/24/17 13:30	3.8	121	32	30.8	FALSE
9/24/17 13:45	3.1	71	32.5	30.8	FALSE

9/24/17 14:00	3.7	185	32.5	30.8	FALSE
9/24/17 14:15	5.2	84	33.1	30.8	FALSE
9/24/17 14:30	3.8	135	33.6	30.8	FALSE
9/24/17 14:45	4.6	81	33.1	30.8	FALSE
9/24/17 15:00	4.5	100	33.2	30.8	FALSE
9/24/17 15:15	4.3	66	33.9	30.8	FALSE
9/24/17 15:30	3.8	84	33.3	30.8	FALSE
9/24/17 15:45	5.1	106	33.4	30.8	FALSE
9/24/17 16:00	3.5	108	33.3	30.8	FALSE
9/24/17 16:15	3.7	336	34.1	30.8	FALSE
9/24/17 16:30	3.6	98	34.2	30.8	FALSE
9/24/17 16:45	5.5	82	33.1	30.8	FALSE
9/24/17 17:00	5	46	33.3	30.8	FALSE
9/24/17 17:15	5.7	77	33.5	30.8	FALSE
9/24/17 17:30	6.5	58	33	30.8	FALSE
9/24/17 17:45	5.1	40	33	30.8	FALSE
9/24/17 18:00	5.2	64	33	30.8	FALSE
9/24/17 18:15	5.8	59	32.8	30.8	FALSE
9/24/17 18:30	4.9	62	32.6	30.8	FALSE
9/24/17 18:45	5.1	66	32.2	30.8	FALSE
9/24/17 19:00	3.5	55	31.7	30.8	FALSE
9/24/17 19:15	2.5	49	31.2	30.8	FALSE
9/24/17 19:30	2.6	52	30.6	30.8	FALSE
9/24/17 19:45	1.9	53	30	30.8	FALSE
9/24/17 20:00	1.6	60	29.6	30.8	FALSE
9/24/17 20:15	1.9	53	29	30.8	FALSE
9/24/17 20:30	2.4	75	28.8	30.8	FALSE
9/24/17 20:45	2.4	85	28.9	30.8	FALSE
9/24/17 21:00	2.9	87	28.9	30.8	FALSE
9/24/17 21:15	2.8	96	29	30.8	FALSE
9/24/17 21:30	3.1	120	28.8	30.8	FALSE
9/24/17 21:45	4.5	159	28.6	30.8	FALSE
9/24/17 22:00	3.6	181	28.4	30.8	FALSE
9/24/17 22:15	3.7	175	28.3	30.8	FALSE
9/24/17 22:30	4.6	179	28.3	30.8	FALSE
9/24/17 22:45	5.1	177	28.1	30.8	FALSE
9/24/17 23:00	5.7	179	27.7	30.8	FALSE
9/24/17 23:15	5.7	177	27.2	30.8	FALSE
9/24/17 23:30	4.5	172	26.9	30.8	FALSE
9/24/17 23:45	4.6	176	26.6	30.8	FALSE
9/25/17 0:00	3.6	166	26.3	30.8	FALSE
9/25/17 0:15	4.4	143	26	30.8	FALSE
9/25/17 0:30	3.4	169	25.9	30.8	FALSE
9/25/17 0:45	4.3	174	25.9	30.8	FALSE
9/25/17 1:00	3.5	158	25.7	30.8	FALSE
9/25/17 1:15	3.9	138	25.4	30.8	FALSE
9/25/17 1:30	5.2	146	25.2	30.8	FALSE

9/25/17 1:45	5.5	146	25.1	30.8	FALSE
9/25/17 2:00	3.5	162	25	30.8	FALSE
9/25/17 2:15	3.7	147	24.8	30.8	FALSE
9/25/17 2:30	2.6	181	24.5	30.8	FALSE
9/25/17 2:45	1.6	205	24	30.8	FALSE
9/25/17 3:00	1.3	264	23.4	30.8	FALSE
9/25/17 3:15	1	277	23	30.8	1
9/25/17 3:30	1	148	22.9	30.8	1
9/25/17 3:45	1.1	108	22.8	30.8	FALSE
9/25/17 4:00	1.1	96	22.3	30.8	FALSE
9/25/17 4:15	2.6	126	22.3	30.8	FALSE
9/25/17 4:30	2.9	110	22.5	30.8	FALSE
9/25/17 4:45	2.9	103	22.5	30.8	FALSE
9/25/17 5:00	2.8	110	22.3	30.8	FALSE
9/25/17 5:15	1.7	112	22.2	30.8	FALSE
9/25/17 5:30	1.5	122	22	30.8	FALSE
9/25/17 5:45	2	112	22.1	30.8	FALSE
9/25/17 6:00	2	121	22	30.8	FALSE
9/25/17 6:15	1.3	118	21.9	30.8	FALSE
9/25/17 6:30	2.2	129	21.9	30.8	FALSE
9/25/17 6:45	2.6	138	22.2	30.8	FALSE
9/25/17 7:00	2.1	127	22.2	30.8	FALSE
9/25/17 7:15	2.7	127	22.1	30.8	FALSE
9/25/17 7:30	2.5	105	22	30.8	FALSE
9/25/17 7:45	2.1	131	22.1	30.8	FALSE
9/25/17 8:00	2.5	138	22.6	30.8	FALSE
9/25/17 8:15	3.1	138	23.2	30.8	FALSE
9/25/17 8:30	3.8	146	23.7	30.8	FALSE
9/25/17 8:45	4	155	24.1	30.8	FALSE
9/25/17 9:00	4.4	176	24.6	30.8	FALSE
9/25/17 9:15	4.5	172	24.9	30.8	FALSE
9/25/17 9:30	5	169	25.6	30.8	FALSE
9/25/17 9:45	6.7	191	25.9	30.8	FALSE
9/25/17 10:00	6.9	184	25.9	30.8	FALSE
9/25/17 10:15	5.8	181	26.4	30.8	FALSE
9/25/17 10:30	6.5	186	26.8	30.8	FALSE
9/25/17 10:45	5.3	192	27.4	30.8	FALSE
9/25/17 11:00	6.1	186	28.1	30.8	FALSE
9/25/17 11:15	7	199	28.6	30.8	FALSE
9/25/17 11:30	7.8	194	28.7	30.8	FALSE
9/25/17 11:45	7.1	210	29	30.8	FALSE
9/25/17 12:00	7.1	214	29.6	30.8	FALSE
9/25/17 12:15	8	216	29.8	30.8	FALSE
9/25/17 12:30	7	232	30.3	30.8	FALSE
9/25/17 12:45	5.5	230	30.5	30.8	FALSE
9/25/17 13:00	3.8	233	31.2	30.8	FALSE
9/25/17 13:15	5	259	31.8	30.8	FALSE

9/25/17 13:30	4.1	249	31.5	30.8	FALSE
9/25/17 13:45	3.9	320	31.9	30.8	FALSE
9/25/17 14:00	4.9	63	32.2	30.8	FALSE
9/25/17 14:15	5.3	86	32.4	30.8	FALSE
9/25/17 14:30	4.7	53	32.2	30.7	FALSE
9/25/17 14:45	4	169	32.3	30.7	FALSE
9/25/17 15:00	5	182	32.8	30.7	FALSE
9/25/17 15:15	7.8	100	32.3	30.7	FALSE
9/25/17 15:30	5	95	32.4	30.7	FALSE
9/25/17 15:45	5.6	102	32.8	30.7	FALSE
9/25/17 16:00	5.8	73	33	30.7	FALSE
9/25/17 16:15	6.9	91	33	30.7	FALSE
9/25/17 16:30	5.9	117	33.2	30.7	FALSE
9/25/17 16:45	8.3	148	33	30.7	FALSE
9/25/17 17:00	6.4	148	32.4	30.7	FALSE
9/25/17 17:15	5.7	137	32.5	30.7	FALSE
9/25/17 17:30	7	112	32.8	30.7	FALSE
9/25/17 17:45	7.3	110	32.8	30.7	FALSE
9/25/17 18:00	6.3	109	32.6	30.7	FALSE
9/25/17 18:15	7.1	150	32.4	30.7	FALSE
9/25/17 18:30	6.9	137	32.1	30.7	FALSE
9/25/17 18:45	5.9	134	31.8	30.7	FALSE
9/25/17 19:00	5.3	138	31.3	30.7	FALSE
9/25/17 19:15	6.8	138	30.9	30.7	FALSE
9/25/17 19:30	6.5	135	30.5	30.7	FALSE
9/25/17 19:45	6.6	137	30.2	30.7	FALSE
9/25/17 20:00	6.3	137	29.9	30.7	FALSE
9/25/17 20:15	5.9	137	29.6	30.7	FALSE
9/25/17 20:30	6.1	135	29.5	30.7	FALSE
9/25/17 20:45	5.8	135	29.2	30.7	FALSE
9/25/17 21:00	6.2	135	29.1	30.7	FALSE
9/25/17 21:15	5.8	135	28.9	30.7	FALSE
9/25/17 21:30	4.2	130	28.5	30.7	FALSE
9/25/17 21:45	3.9	121	28.2	30.7	FALSE
9/25/17 22:00	4.7	125	27.9	30.7	FALSE
9/25/17 22:15	4.3	124	27.8	30.7	FALSE
9/25/17 22:30	4.2	123	27.5	30.7	FALSE
9/25/17 22:45	4.6	130	27.3	30.8	FALSE
9/25/17 23:00	5.4	138	27.2	30.8	FALSE
9/25/17 23:15	3.9	157	26.9	30.8	FALSE
9/25/17 23:30	3.9	154	26.5	30.8	FALSE
9/25/17 23:45	4.6	151	26.3	30.8	FALSE
9/26/17 0:00	4.1	154	26.2	30.8	FALSE
9/26/17 0:15	4.3	155	26	30.8	FALSE
9/26/17 0:30	4	161	25.9	30.8	FALSE
9/26/17 0:45	3.3	162	25.8	30.8	FALSE
9/26/17 1:00	3.1	163	25.7	30.8	FALSE

9/26/17 1:15	2.8	168	25.5	30.8	FALSE
9/26/17 1:30	2.9	164	25.3	30.8	FALSE
9/26/17 1:45	2	160	24.8	30.8	FALSE
9/26/17 2:00	2.1	160	24.5	30.8	FALSE
9/26/17 2:15	2.7	173	24.4	30.8	FALSE
9/26/17 2:30	3.1	178	24.6	30.8	FALSE
9/26/17 2:45	3.3	167	24.5	30.8	FALSE
9/26/17 3:00	3.6	165	24.6	30.8	FALSE
9/26/17 3:15	3.9	171	24.6	30.8	FALSE
9/26/17 3:30	3.6	171	24.4	30.8	FALSE
9/26/17 3:45	3.6	166	24.3	30.8	FALSE
9/26/17 4:00	4.2	173	24.1	30.8	FALSE
9/26/17 4:15	4.1	175	24	30.8	FALSE
9/26/17 4:30	4	173	24	30.8	FALSE
9/26/17 4:45	4.7	174	23.9	30.8	FALSE
9/26/17 5:00	4.2	174	23.8	30.8	FALSE
9/26/17 5:15	3.5	174	23.5	30.8	FALSE
9/26/17 5:30	4	171	23.4	30.8	FALSE
9/26/17 5:45	4.1	180	23.3	30.8	FALSE
9/26/17 6:00	3.9	191	22.9	30.8	FALSE
9/26/17 6:15	2.2	174	22.5	30.8	FALSE
9/26/17 6:30	2.1	173	22.4	30.8	FALSE
9/26/17 6:45	2.5	181	22.4	30.8	FALSE
9/26/17 7:00	3.3	176	22.6	30.8	FALSE
9/26/17 7:15	4	178	22.9	30.8	FALSE
9/26/17 7:30	3.5	168	22.9	30.8	FALSE
9/26/17 7:45	3.9	173	23.1	30.8	FALSE
9/26/17 8:00	5.2	194	23.1	30.8	FALSE
9/26/17 8:15	5.3	177	23.3	30.8	FALSE
9/26/17 8:30	5.2	178	23.6	30.8	FALSE
9/26/17 8:45	5.9	198	23.9	30.8	FALSE
9/26/17 9:00	5.9	190	24.1	30.8	FALSE
9/26/17 9:15	5.4	187	24.7	30.8	FALSE
9/26/17 9:30	6.5	197	25.2	30.8	FALSE
9/26/17 9:45	5.7	200	26	30.8	FALSE
9/26/17 10:00	5.7	196	27	30.8	FALSE
9/26/17 10:15	7	189	27.4	30.8	FALSE
9/26/17 10:30	5.6	198	28	30.8	FALSE
9/26/17 10:45	7.3	200	28.3	30.8	FALSE
9/26/17 11:00	7.7	206	28.8	30.8	FALSE
9/26/17 11:15	8.2	203	29.3	30.8	FALSE
9/26/17 11:30	8.8	212	29.3	30.8	FALSE
9/26/17 11:45	7.8	193	29.7	30.8	FALSE
9/26/17 12:00	8.8	195	30.1	30.8	FALSE
9/26/17 12:15	8.3	190	30.2	30.8	FALSE
9/26/17 12:30	7.8	193	30.6	30.8	FALSE
9/26/17 12:45	7.9	203	30.9	30.8	FALSE

9/26/17 13:00	9	211	31	30.8	FALSE
9/26/17 13:15	8.6	219	31.2	30.8	FALSE
9/26/17 13:30	9.2	222	31.1	30.8	FALSE
9/26/17 13:45	6.7	213	31.6	30.8	FALSE
9/26/17 14:00	8.5	230	31.5	30.8	FALSE
9/26/17 14:15	6.2	212	31.8	30.8	FALSE
9/26/17 14:30	4.5	217	32.3	30.8	FALSE
9/26/17 14:45	7.3	199	32.3	30.8	FALSE
9/26/17 15:00	6	230	32.4	30.8	FALSE
9/26/17 15:15	5.9	207	32.7	30.7	FALSE
9/26/17 15:30	7.1	229	32.4	30.7	FALSE
9/26/17 15:45	8.2	207	32.4	30.7	FALSE
9/26/17 16:00	8.3	220	32.4	30.7	FALSE
9/26/17 16:15	8.5	231	32.6	30.7	FALSE
9/26/17 16:30	6.9	242	32.5	30.7	FALSE
9/26/17 16:45	7.2	257	32.3	30.7	FALSE
9/26/17 17:00	6.6	242	32.4	30.7	FALSE
9/26/17 17:15	7.5	214	32.2	30.7	FALSE
9/26/17 17:30	6.8	217	32.2	30.7	FALSE
9/26/17 17:45	7.5	212	32	30.7	FALSE
9/26/17 18:00	7.4	214	31.7	30.7	FALSE
9/26/17 18:15	5.8	218	31.3	30.7	FALSE
9/26/17 18:30	4.9	213	31	30.7	FALSE
9/26/17 18:45	4.7	227	30.7	30.7	FALSE
9/26/17 19:00	4.7	282	30.3	30.8	FALSE
9/26/17 19:15	3.5	318	29.3	30.8	FALSE
9/26/17 19:30	7.4	305	28.9	30.8	FALSE
9/26/17 19:45	9.2	312	27.7	30.8	FALSE
9/26/17 20:00	11.6	310	27.2	30.8	FALSE
9/26/17 20:15	10	311	26.4	30.8	FALSE
9/26/17 20:30	8.5	295	26.1	30.8	FALSE
9/26/17 20:45	8.8	304	25.7	30.8	FALSE
9/26/17 21:00	7.1	336	25.5	30.8	FALSE
9/26/17 21:15	4.6	17	25.3	30.8	FALSE
9/26/17 21:30	4.1	352	25	30.8	FALSE
9/26/17 21:45	7	294	25.2	30.8	FALSE
9/26/17 22:00	7.6	302	25	30.8	FALSE
9/26/17 22:15	6.7	298	24.9	30.8	FALSE
9/26/17 22:30	7.2	300	24.7	30.8	FALSE
9/26/17 22:45	7.5	309	24.6	30.8	FALSE
9/26/17 23:00	6.4	319	24.5	30.8	FALSE
9/26/17 23:15	6.2	324	24.3	30.8	FALSE
9/26/17 23:30	5.6	332	24.1	30.8	FALSE
9/26/17 23:45	5.9	324	23.9	30.8	FALSE
9/27/17 0:00	5.8	320	23.8	30.8	FALSE
9/27/17 0:15	6	319	23.7	30.8	FALSE
9/27/17 0:30	7	319	23.5	30.8	FALSE

9/27/17 0:45	8.1	312	23.1	30.8	FALSE
9/27/17 1:00	8.5	315	22.8	30.8	FALSE
9/27/17 1:15	9.3	317	22.6	30.8	FALSE
9/27/17 1:30	9.3	327	22.3	30.8	FALSE
9/27/17 1:45	7	322	22.1	30.8	FALSE
9/27/17 2:00	7.2	328	21.9	30.8	FALSE
9/27/17 2:15	8.5	331	21.7	30.8	FALSE
9/27/17 2:30	8.3	333	21.5	30.8	FALSE
9/27/17 2:45	7.9	334	21.4	30.8	FALSE
9/27/17 3:00	7.8	336	21.3	30.8	FALSE
9/27/17 3:15	7.1	327	21.1	30.8	FALSE
9/27/17 3:30	7.8	335	20.8	30.8	FALSE
9/27/17 3:45	6.9	331	20.6	30.8	FALSE
9/27/17 4:00	6.8	326	20.4	30.8	FALSE
9/27/17 4:15	6.9	323	20.2	30.8	FALSE
9/27/17 4:30	7.1	327	20.1	30.8	FALSE
9/27/17 4:45	7.3	322	20	30.8	FALSE
9/27/17 5:00	7.8	325	19.8	30.8	FALSE
9/27/17 5:15	7.3	329	19.7	30.8	FALSE
9/27/17 5:30	8.5	330	19.5	30.8	FALSE
9/27/17 5:45	8.5	327	19.4	30.8	FALSE
9/27/17 6:00	8.2	328	19.2	30.8	FALSE
9/27/17 6:15	9.1	327	19.1	30.8	FALSE
9/27/17 6:30	8.2	326	18.9	30.8	FALSE
9/27/17 6:45	8.4	327	18.8	30.8	FALSE
9/27/17 7:00	7.2	331	18.6	30.8	FALSE
9/27/17 7:15	7.9	325	18.5	30.8	FALSE
9/27/17 7:30	7.8	324	18.4	30.8	FALSE
9/27/17 7:45	8.4	318	18.4	30.8	FALSE
9/27/17 8:00	8.2	320	18.3	30.8	FALSE
9/27/17 8:15	7.9	329	18.2	30.8	FALSE
9/27/17 8:30	8.3	334	18.3	30.8	FALSE
9/27/17 8:45	9.4	333	18.7	30.8	FALSE
9/27/17 9:00	10.7	332	19	30.8	FALSE
9/27/17 9:15	10.5	339	18.9	30.8	FALSE
9/27/17 9:30	10.3	345	18.9	30.8	FALSE
9/27/17 9:45	8.7	335	19.1	30.8	FALSE
9/27/17 10:00	8.6	341	19.5	30.8	FALSE
9/27/17 10:15	7.4	327	19.7	30.8	FALSE
9/27/17 10:30	9	327	19.8	30.8	FALSE
9/27/17 10:45	8.5	322	20	30.8	FALSE
9/27/17 11:00	7.7	314	20	30.8	FALSE
9/27/17 11:15	7.6	304	20	30.8	FALSE
9/27/17 11:30	9.1	321	20	30.8	FALSE
9/27/17 11:45	8.5	319	20.1	30.8	FALSE
9/27/17 12:00	8.6	318	20.2	30.8	FALSE
9/27/17 12:15	8.7	301	20.2	30.8	FALSE



9/27/17 12:30	9	309	20.1	30.8	FALSE
9/27/17 12:45	8.4	313	20.1	30.8	FALSE
9/27/17 13:00	8.9	318	20.3	30.8	FALSE
9/27/17 13:15	10.5	313	20.3	30.8	FALSE
9/27/17 13:30	8.3	318	20.4	30.8	FALSE
9/27/17 13:45	10.2	319	20.3	30.8	FALSE
9/27/17 14:00	10.4	310	20	30.8	FALSE
9/27/17 14:15	11.2	307	20	30.8	FALSE
9/27/17 14:30	10.5	310	20.1	30.8	FALSE
9/27/17 14:45	10.1	305	20.4	30.8	FALSE
9/27/17 15:00	9.4	304	20.6	30.8	FALSE
9/27/17 15:15	10.6	314	20.8	30.8	FALSE
9/27/17 15:30	10.2	328	20.8	30.8	FALSE
9/27/17 15:45	8.4	318	21	30.8	FALSE
9/27/17 16:00	9.9	300	21	30.8	FALSE
9/27/17 16:15	9.2	308	20.9	30.8	FALSE
9/27/17 16:30	9	306	21	30.8	FALSE
9/27/17 16:45	8.7	297	21.2	30.8	FALSE
9/27/17 17:00	8.3	311	21.2	30.8	FALSE
9/27/17 17:15	7.8	314	21.4	30.8	FALSE
9/27/17 17:30	9.1	306	21.4	30.8	FALSE
9/27/17 17:45	10.8	299	21.3	30.8	FALSE
9/27/17 18:00	9.6	307	21.2	30.8	FALSE
9/27/17 18:15	9.7	311	21.1	30.8	FALSE
9/27/17 18:30	8.6	312	20.9	30.8	FALSE
9/27/17 18:45	8.1	322	20.8	30.8	FALSE
9/27/17 19:00	6.7	326	20.6	30.8	FALSE
9/27/17 19:15	6.2	325	20.4	30.8	FALSE
9/27/17 19:30	5.8	323	20.2	30.8	FALSE
9/27/17 19:45	6.8	318	20	30.8	FALSE
9/27/17 20:00	8	328	19.9	30.8	FALSE
9/27/17 20:15	7.6	323	19.7	30.8	FALSE
9/27/17 20:30	7.3	322	19.5	30.8	FALSE
9/27/17 20:45	6.8	326	19.4	30.8	FALSE
9/27/17 21:00	5.6	328	19.2	30.8	FALSE
9/27/17 21:15	6.3	331	19.1	30.8	FALSE
9/27/17 21:30	6.1	318	19	30.8	FALSE
9/27/17 21:45	7	324	18.9	30.8	FALSE
9/27/17 22:00	7	320	18.9	30.8	FALSE
9/27/17 22:15	6.4	323	18.7	30.8	FALSE
9/27/17 22:30	7.1	329	18.5	30.8	FALSE
9/27/17 22:45	7.7	330	18.3	30.8	FALSE
9/27/17 23:00	7.8	333	18.1	30.8	FALSE
9/27/17 23:15	6.8	341	18	30.8	FALSE
9/27/17 23:30	7	342	17.8	30.8	FALSE
9/27/17 23:45	6.2	339	17.7	30.8	FALSE
9/28/17 0:00	6.9	330	17.7	30.8	FALSE

9/28/17 0:15	7.6	335	17.6	30.8	FALSE
9/28/17 0:30	6.5	336	17.4	30.8	FALSE
9/28/17 0:45	6.3	345	17.4	30.8	FALSE
9/28/17 1:00	7.3	344	17.3	30.8	FALSE
9/28/17 1:15	7.2	335	17.2	30.8	FALSE
9/28/17 1:30	5.9	335	17	30.9	FALSE
9/28/17 1:45	7.4	343	16.7	30.9	FALSE
9/28/17 2:00	6.5	349	16.4	30.9	FALSE
9/28/17 2:15	7.4	348	16.2	30.9	FALSE
9/28/17 2:30	6.2	349	15.8	30.9	FALSE
9/28/17 2:45	4.9	348	15.5	30.9	FALSE
9/28/17 3:00	4.2	349	15.2	30.9	FALSE
9/28/17 3:15	4.9	346	14.9	30.9	FALSE
9/28/17 3:30	5.5	351	14.8	30.9	FALSE
9/28/17 3:45	4.2	356	14.7	30.9	FALSE
9/28/17 4:00	3.1	2	14.5	30.9	FALSE
9/28/17 4:15	3.6	347	14.4	30.9	FALSE
9/28/17 4:30	2.8	347	14.3	30.9	FALSE
9/28/17 4:45	3	337	14.2	30.9	FALSE
9/28/17 5:00	2.6	349	14.1	30.9	FALSE
9/28/17 5:15	3.2	341	13.8	30.9	FALSE
9/28/17 5:30	3.8	349	13.7	30.9	FALSE
9/28/17 5:45	2.9	340	13.5	30.9	FALSE
9/28/17 6:00	4	337	13.5	30.9	FALSE
9/28/17 6:15	3.6	341	13.4	30.9	FALSE
9/28/17 6:30	2.2	1	13.3	30.9	FALSE
9/28/17 6:45	3.3	352	13.1	30.9	FALSE
9/28/17 7:00	3.7	345	13.1	30.9	FALSE
9/28/17 7:15	5.4	331	13.1	30.9	FALSE
9/28/17 7:30	5.4	335	13.1	30.9	FALSE
9/28/17 7:45	5.3	334	13.3	30.9	FALSE
9/28/17 8:00	5.9	334	13.3	30.9	FALSE
9/28/17 8:15	5.8	336	13.6	30.9	FALSE
9/28/17 8:30	6.6	334	13.6	30.9	FALSE
9/28/17 8:45	6	339	13.7	30.9	FALSE
9/28/17 9:00	7.5	331	13.9	30.9	FALSE
9/28/17 9:15	7.5	334	14.6	30.9	FALSE
9/28/17 9:30	8.1	339	15	30.9	FALSE
9/28/17 9:45	7.9	350	15.6	30.9	FALSE
9/28/17 10:00	7.8	338	15.9	30.9	FALSE
9/28/17 10:15	8.4	346	16	30.9	FALSE
9/28/17 10:30	7.1	8	16.7	30.9	FALSE
9/28/17 10:45	8	349	17.2	30.9	FALSE
9/28/17 11:00	9.8	331	17.6	30.9	FALSE
9/28/17 11:15	8.7	344	17.9	30.9	FALSE
9/28/17 11:30	8.6	9	18.2	30.9	FALSE
9/28/17 11:45	8.8	332	18.7	30.9	FALSE

9/28/17 12:00	9.6	341	18.8	30.9	FALSE
9/28/17 12:15	8.4	347	19.2	30.9	FALSE
9/28/17 12:30	7.1	3	20	30.9	FALSE
9/28/17 12:45	7.9	323	20.1	30.9	FALSE
9/28/17 13:00	8.5	327	20.5	30.9	FALSE
9/28/17 13:15	7.8	349	20.9	30.9	FALSE
9/28/17 13:30	7.7	332	21.4	30.9	FALSE
9/28/17 13:45	8.5	351	21.5	30.9	FALSE
9/28/17 14:00	8	313	22	30.9	FALSE
9/28/17 14:15	8.3	332	22.3	30.8	FALSE
9/28/17 14:30	8.9	323	22.5	30.8	FALSE
9/28/17 14:45	9	339	22.7	30.8	FALSE
9/28/17 15:00	8.6	346	22.8	30.8	FALSE
9/28/17 15:15	9.3	339	23.1	30.8	FALSE
9/28/17 15:30	8.6	336	23.3	30.8	FALSE
9/28/17 15:45	8.4	341	23.5	30.8	FALSE
9/28/17 16:00	7	331	24	30.8	FALSE
9/28/17 16:15	7.1	324	24.3	30.8	FALSE
9/28/17 16:30	8.1	339	24.1	30.8	FALSE
9/28/17 16:45	7.5	327	24.2	30.8	FALSE
9/28/17 17:00	8.2	331	24.1	30.8	FALSE
9/28/17 17:15	8.4	331	24.1	30.8	FALSE
9/28/17 17:30	7.6	340	24.2	30.8	FALSE
9/28/17 17:45	8.9	329	24.1	30.8	FALSE
9/28/17 18:00	7.6	334	24	30.8	FALSE
9/28/17 18:15	8.2	322	23.7	30.8	FALSE
9/28/17 18:30	7.1	321	23.4	30.8	FALSE
9/28/17 18:45	5.7	318	23	30.8	FALSE
9/28/17 19:00	6.2	322	22.5	30.8	FALSE
9/28/17 19:15	5.7	318	21.9	30.8	FALSE
9/28/17 19:30	4.5	314	21.6	30.8	FALSE
9/28/17 19:45	4.2	307	21.3	30.8	FALSE
9/28/17 20:00	5.1	306	21.1	30.8	FALSE
9/28/17 20:15	3	357	20.6	30.8	FALSE
9/28/17 20:30	2.3	39	19.6	30.8	FALSE
9/28/17 20:45	1.7	42	19.1	30.8	FALSE
9/28/17 21:00	2	34	18.8	30.8	FALSE
9/28/17 21:15	1.8	29	18.5	30.8	FALSE
9/28/17 21:30	1.9	26	18.1	30.8	FALSE
9/28/17 21:45	1.8	32	17.8	30.8	FALSE
9/28/17 22:00	1.6	55	17.5	30.8	FALSE
9/28/17 22:15	1.4	24	17.1	30.8	FALSE
9/28/17 22:30	1.6	49	17	30.8	FALSE
9/28/17 22:45	0.7	294	16.3	30.8	1
9/28/17 23:00	0.8	334	16	30.8	1
9/28/17 23:15	1.5	333	16.2	30.8	FALSE
9/28/17 23:30	1.4	2	15.7	30.8	FALSE

9/28/17 23:45	1.4	16	15.2	30.8	FALSE
9/29/17 0:00	1.4	50	14.9	30.8	FALSE
9/29/17 0:15	0.9	35	15	30.8	1
9/29/17 0:30	0.9	340	14.8	30.8	1
9/29/17 0:45	0.9	8	14.3	30.8	1
9/29/17 1:00	0.6	139	14.1	30.8	1
9/29/17 1:15	1.1	170	14.6	30.8	FALSE
9/29/17 1:30	1.4	179	14.8	30.8	FALSE
9/29/17 1:45	1	164	14.5	30.8	1
9/29/17 2:00	0.8	174	14.1	30.8	1
9/29/17 2:15	1.1	197	13.7	30.8	FALSE
9/29/17 2:30	0.6	59	13.4	30.8	1
9/29/17 2:45	0.6	50	13	30.8	1
9/29/17 3:00	0.8	139	12.9	30.8	1
9/29/17 3:15	2	173	13.1	30.8	FALSE
9/29/17 3:30	2.4	184	13.4	30.8	FALSE
9/29/17 3:45	1.7	201	13.2	30.8	FALSE
9/29/17 4:00	1.6	175	13.1	30.9	FALSE
9/29/17 4:15	1.4	185	13	30.9	FALSE
9/29/17 4:30	2.1	178	13	30.9	FALSE
9/29/17 4:45	1.7	198	12.9	30.8	FALSE
9/29/17 5:00	3.3	194	13.1	30.8	FALSE
9/29/17 5:15	2.8	198	13	30.9	FALSE
9/29/17 5:30	2.7	195	12.9	30.9	FALSE
9/29/17 5:45	1.9	199	12.7	30.9	FALSE
9/29/17 6:00	1.6	193	12.4	30.9	FALSE
9/29/17 6:15	2.2	203	12.4	30.9	FALSE
9/29/17 6:30	2.2	189	12.2	30.9	FALSE
9/29/17 6:45	1.8	188	12.1	30.9	FALSE
9/29/17 7:00	0.7	163	11.8	30.9	1
9/29/17 7:15	1	175	11.7	30.9	1
9/29/17 7:30	1.3	186	11.7	30.9	FALSE
9/29/17 7:45	3.1	189	12.5	30.9	FALSE
9/29/17 8:00	4	196	13.1	30.9	FALSE
9/29/17 8:15	3.1	193	13.5	30.9	FALSE
9/29/17 8:30	2.8	193	14.2	30.9	FALSE
9/29/17 8:45	3	198	14.8	30.9	FALSE
9/29/17 9:00	2.8	208	15.5	30.9	FALSE
9/29/17 9:15	3.3	198	15.9	30.9	FALSE
9/29/17 9:30	3.2	211	16.7	30.9	FALSE
9/29/17 9:45	3.4	215	17.5	30.9	FALSE
9/29/17 10:00	3	252	18.6	30.9	FALSE
9/29/17 10:15	3.4	254	19.4	30.9	FALSE
9/29/17 10:30	3.4	214	20.3	30.9	FALSE
9/29/17 10:45	3.9	244	20.8	30.9	FALSE
9/29/17 11:00	3.9	235	21.7	30.9	FALSE
9/29/17 11:15	5	247	22.3	30.9	FALSE

9/29/17 11:30	5.2	277	22.7	30.9	FALSE
9/29/17 11:45	4.9	260	23.2	30.9	FALSE
9/29/17 12:00	5.2	262	23.6	30.9	FALSE
9/29/17 12:15	4.6	287	24	30.9	FALSE
9/29/17 12:30	6.3	314	24.6	30.9	FALSE
9/29/17 12:45	3.9	306	25	30.9	FALSE
9/29/17 13:00	5.8	304	25.3	30.9	FALSE
9/29/17 13:15	4.6	350	25.6	30.9	FALSE
9/29/17 13:30	4.6	323	26.2	30.9	FALSE
9/29/17 13:45	3.8	246	26.5	30.9	FALSE
9/29/17 14:00	4.8	220	26.5	30.9	FALSE
9/29/17 14:15	4.7	338	27.2	30.9	FALSE
9/29/17 14:30	4.9	334	27.2	30.8	FALSE
9/29/17 14:45	4.4	305	27.4	30.8	FALSE
9/29/17 15:00	4.8	283	27.4	30.8	FALSE
9/29/17 15:15	5.9	281	27.5	30.8	FALSE
9/29/17 15:30	7.6	303	27.5	30.8	FALSE
9/29/17 15:45	7.4	302	27.5	30.8	FALSE
9/29/17 16:00	7.6	296	27.7	30.8	FALSE
9/29/17 16:15	8.2	312	27.7	30.8	FALSE
9/29/17 16:30	7.1	301	27.8	30.8	FALSE
9/29/17 16:45	7.2	313	27.6	30.8	FALSE
9/29/17 17:00	7.2	290	27.7	30.8	FALSE
9/29/17 17:15	7.4	284	27.7	30.8	FALSE
9/29/17 17:30	8	295	27.6	30.8	FALSE
9/29/17 17:45	8.1	316	27.4	30.8	FALSE
9/29/17 18:00	7.6	314	27.1	30.8	FALSE
9/29/17 18:15	6.3	311	26.7	30.8	FALSE
9/29/17 18:30	5.8	314	26.5	30.8	FALSE
9/29/17 18:45	4.9	316	25.9	30.8	FALSE
9/29/17 19:00	4.2	321	25.5	30.8	FALSE
9/29/17 19:15	3.7	333	24.9	30.8	FALSE
9/29/17 19:30	4	349	24.1	30.8	FALSE
9/29/17 19:45	3.7	17	23.6	30.9	FALSE
9/29/17 20:00	2.7	16	23.2	30.9	FALSE
9/29/17 20:15	2.2	4	22.7	30.9	FALSE
9/29/17 20:30	1.9	7	22.1	30.9	FALSE
9/29/17 20:45	2.4	24	21.7	30.9	FALSE
9/29/17 21:00	2.3	11	21.3	30.9	FALSE
9/29/17 21:15	3.4	27	21.1	30.9	FALSE
9/29/17 21:30	3.9	23	21.1	30.9	FALSE
9/29/17 21:45	4.5	19	20.9	30.9	FALSE
9/29/17 22:00	3.8	18	20.7	30.9	FALSE
9/29/17 22:15	3.9	13	20.4	30.9	FALSE
9/29/17 22:30	5.5	17	20.4	30.9	FALSE
9/29/17 22:45	4.5	11	20.2	30.9	FALSE
9/29/17 23:00	3.8	11	19.8	30.9	FALSE

9/29/17 23:15	4.2	11	19.4	30.9	FALSE
9/29/17 23:30	5.9	10	19.4	30.9	FALSE
9/29/17 23:45	4.7	18	19.3	30.9	FALSE
9/30/17 0:00	5.8	28	19	30.9	FALSE
9/30/17 0:15	5.9	24	18.8	30.9	FALSE
9/30/17 0:30	6.1	26	18.5	30.9	FALSE
9/30/17 0:45	5.8	35	18.1	30.9	FALSE
9/30/17 1:00	5.9	34	17.7	30.9	FALSE
9/30/17 1:15	5.1	39	17.4	30.9	FALSE
9/30/17 1:30	4	32	16.9	30.9	FALSE
9/30/17 1:45	4.6	23	16.7	30.9	FALSE
9/30/17 2:00	5.4	39	16.5	30.9	FALSE
9/30/17 2:15	5	33	16.3	30.9	FALSE
9/30/17 2:30	4.1	26	15.9	30.9	FALSE
9/30/17 2:45	5.3	39	15.8	30.9	FALSE
9/30/17 3:00	5.4	36	15.6	30.9	FALSE
9/30/17 3:15	5	37	15.5	30.9	FALSE
9/30/17 3:30	4.2	32	15.3	30.9	FALSE
9/30/17 3:45	4.8	29	15	30.9	FALSE
9/30/17 4:00	3.2	20	14.8	30.9	FALSE
9/30/17 4:15	4.3	32	14.4	30.9	FALSE
9/30/17 4:30	4.7	37	14.4	30.9	FALSE
9/30/17 4:45	3.6	46	14.3	30.9	FALSE
9/30/17 5:00	2.4	47	14	30.9	FALSE
9/30/17 5:15	2.5	48	13.7	30.9	FALSE
9/30/17 5:30	3	35	13.5	30.9	FALSE
9/30/17 5:45	1.9	27	13.1	30.9	FALSE
9/30/17 6:00	2.2	23	12.8	30.9	FALSE
9/30/17 6:15	2.3	357	12.3	30.9	FALSE
9/30/17 6:30	1.9	360	11.8	30.9	FALSE
9/30/17 6:45	2.6	4	11.5	30.9	FALSE
9/30/17 7:00	2.7	3	11.3	30.9	FALSE
9/30/17 7:15	3	3	11.1	30.9	FALSE
9/30/17 7:30	4.1	4	11	30.9	FALSE
9/30/17 7:45	3.9	13	11.5	30.9	FALSE
9/30/17 8:00	3.7	2	11.9	30.9	FALSE
9/30/17 8:15	3.3	349	12.3	30.9	FALSE
9/30/17 8:30	2.9	335	12.6	30.9	FALSE
9/30/17 8:45	3.3	348	13.2	30.9	FALSE
9/30/17 9:00	4.8	36	14.1	30.9	FALSE
9/30/17 9:15	7.5	48	14.6	30.9	FALSE
9/30/17 9:30	7	44	14.9	30.9	FALSE
9/30/17 9:45	6.2	50	15.5	30.9	FALSE
9/30/17 10:00	6.3	43	15.9	30.9	FALSE
9/30/17 10:15	6.4	69	16.3	30.9	FALSE
9/30/17 10:30	5.5	53	16.6	30.9	FALSE
9/30/17 10:45	6	65	16.8	30.9	FALSE

9/30/17 11:00	5.9	60	17.6	30.9	FALSE
9/30/17 11:15	5.9	82	18.2	30.9	FALSE
9/30/17 11:30	6.4	47	18.5	30.9	FALSE
9/30/17 11:45	6.9	63	18.8	30.9	FALSE
9/30/17 12:00	5.4	47	19.4	30.9	FALSE
9/30/17 12:15	7.9	65	19.5	30.9	FALSE
9/30/17 12:30	6.5	41	19.7	30.9	FALSE
9/30/17 12:45	6.3	38	20.3	30.9	FALSE
9/30/17 13:00	8.1	36	20.3	30.9	FALSE
9/30/17 13:15	8.1	32	20.4	30.9	FALSE
9/30/17 13:30	5.8	42	20.9	30.9	FALSE
9/30/17 13:45	6.9	61	21.3	30.9	FALSE
9/30/17 14:00	6	30	21.7	30.9	FALSE
9/30/17 14:15	8.4	45	21.7	30.9	FALSE
9/30/17 14:30	6.3	51	22.1	30.9	FALSE
9/30/17 14:45	6.8	48	22.6	30.9	FALSE
9/30/17 15:00	6.9	60	22.6	30.9	FALSE
9/30/17 15:15	7.2	57	22.8	30.9	FALSE
9/30/17 15:30	7.1	70	23.1	30.9	FALSE
9/30/17 15:45	8.3	80	23.2	30.9	FALSE
9/30/17 16:00	6.3	60	23.3	30.9	FALSE
9/30/17 16:15	7.3	57	23.6	30.9	FALSE
9/30/17 16:30	6.9	60	23.7	30.9	FALSE
9/30/17 16:45	7	50	23.7	30.9	FALSE
9/30/17 17:00	6.3	44	23.8	30.9	FALSE
9/30/17 17:15	7	41	23.8	30.9	FALSE
9/30/17 17:30	6.9	61	23.8	30.9	FALSE
9/30/17 17:45	5.1	58	23.9	30.9	FALSE
9/30/17 18:00	5.6	73	23.7	30.9	FALSE
9/30/17 18:15	5.7	85	23.6	30.9	FALSE
9/30/17 18:30	5.7	79	23.3	30.9	FALSE
9/30/17 18:45	5.1	69	22.9	30.9	FALSE
9/30/17 19:00	4.6	72	22.4	30.9	FALSE
9/30/17 19:15	4	71	21.7	30.9	FALSE
9/30/17 19:30	3.1	65	21.2	30.9	FALSE
9/30/17 19:45	2.4	57	20.6	30.9	FALSE
9/30/17 20:00	2.5	48	20	30.9	FALSE
9/30/17 20:15	2	63	19.6	30.9	FALSE
9/30/17 20:30	2.2	36	19.1	30.9	FALSE
9/30/17 20:45	2.3	30	18.6	30.9	FALSE
9/30/17 21:00	2.4	41	18.2	30.9	FALSE
9/30/17 21:15	2.2	57	18.1	30.9	FALSE
9/30/17 21:30	2.5	55	18.3	30.9	FALSE
9/30/17 21:45	2.1	60	17.9	30.9	FALSE
9/30/17 22:00	2.8	63	18.1	30.9	FALSE
9/30/17 22:15	2.8	62	17.7	30.9	FALSE
9/30/17 22:30	4.2	67	17.8	30.9	FALSE

9/30/17 22:45	4.5	70	17.9	30.9	FALSE
9/30/17 23:00	4.4	83	17.9	30.9	FALSE
9/30/17 23:15	4	76	17.5	30.9	FALSE
9/30/17 23:30	5.1	78	17.2	30.9	FALSE
9/30/17 23:45	5	76	17.1	30.9	FALSE
10/1/17 0:00	5	74	16.9	30.9	FALSE
10/1/17 0:15	5.3	79	16.8	30.9	FALSE
10/1/17 0:30	5.9	75	16.6	30.9	FALSE
10/1/17 0:45	5.6	79	16.4	30.9	FALSE
10/1/17 1:00	5.3	82	16.2	30.9	FALSE
10/1/17 1:15	4.5	84	16	30.9	FALSE
10/1/17 1:30	4	85	15.7	30.9	FALSE
10/1/17 1:45	3.6	83	15.6	30.9	FALSE
10/1/17 2:00	3.3	74	15.5	30.9	FALSE
10/1/17 2:15	4.1	72	15.3	30.9	FALSE
10/1/17 2:30	3.8	76	15.2	30.9	FALSE
10/1/17 2:45	3.6	78	15	30.9	FALSE
10/1/17 3:00	3.5	71	15	30.9	FALSE
10/1/17 3:15	3.3	71	14.8	30.9	FALSE
10/1/17 3:30	3.1	68	14.6	30.9	FALSE
10/1/17 3:45	3.6	69	14.5	30.9	FALSE
10/1/17 4:00	2.6	79	14.4	30.9	FALSE
10/1/17 4:15	1.4	61	14.2	30.9	FALSE
10/1/17 4:30	1.3	42	14	30.9	FALSE
10/1/17 4:45	2.5	43	13.9	30.9	FALSE
10/1/17 5:00	2	33	13.6	30.9	FALSE
10/1/17 5:15	1.8	350	13.5	30.9	FALSE
10/1/17 5:30	1	328	13.8	30.9	1
10/1/17 5:45	2.2	26	13.5	30.9	FALSE
10/1/17 6:00	2.3	54	13.4	30.9	FALSE
10/1/17 6:15	2.2	59	13.5	30.9	FALSE
10/1/17 6:30	1.8	59	13.6	30.9	FALSE
10/1/17 6:45	2.4	95	13.7	30.9	FALSE
10/1/17 7:00	3.8	71	13.7	30.9	FALSE
10/1/17 7:15	4.1	79	13.5	30.9	FALSE
10/1/17 7:30	4.5	81	13.5	30.9	FALSE
10/1/17 7:45	4.9	74	13.4	30.9	FALSE
10/1/17 8:00	4.8	83	13.4	30.9	FALSE
10/1/17 8:15	4.4	85	13.6	30.9	FALSE
10/1/17 8:30	4.3	72	13.8	30.9	FALSE
10/1/17 8:45	4.3	81	14	30.9	FALSE
10/1/17 9:00	4.8	83	14.2	30.9	FALSE
10/1/17 9:15	4.5	89	14.5	30.9	FALSE
10/1/17 9:30	4.4	87	14.9	30.9	FALSE
10/1/17 9:45	5.2	90	15.3	30.9	FALSE
10/1/17 10:00	5.5	86	15.9	30.9	FALSE
10/1/17 10:15	7	91	16.4	30.8	FALSE



10/1/17 10:30	6.5	87	16.8	30.8	FALSE
10/1/17 10:45	7	94	17.6	30.8	FALSE
10/1/17 11:00	5.2	101	18.3	30.8	FALSE
10/1/17 11:15	5.6	107	18.7	30.8	FALSE
10/1/17 11:30	5.6	119	19.3	30.8	FALSE
10/1/17 11:45	4.6	84	19.7	30.8	FALSE
10/1/17 12:00	4.9	117	20.4	30.8	FALSE
10/1/17 12:15	5.3	101	20.7	30.8	FALSE
10/1/17 12:30	5.2	88	20.8	30.8	FALSE
10/1/17 12:45	5.4	95	21.4	30.8	FALSE
10/1/17 13:00	5.1	90	22	30.8	FALSE
10/1/17 13:15	5.9	125	22.5	30.8	FALSE
10/1/17 13:30	5.3	123	22.9	30.8	FALSE
10/1/17 13:45	5.3	110	23.2	30.8	FALSE
10/1/17 14:00	6.3	93	23.5	30.8	FALSE
10/1/17 14:15	6.6	100	23.9	30.8	FALSE
10/1/17 14:30	7.3	109	24.1	30.8	FALSE
10/1/17 14:45	7.3	119	24	30.8	FALSE
10/1/17 15:00	7.6	92	24.2	30.8	FALSE
10/1/17 15:15	8.5	94	24.4	30.8	FALSE
10/1/17 15:30	7.3	97	24.4	30.8	FALSE
10/1/17 15:45	5.9	95	24.7	30.8	FALSE
10/1/17 16:00	7.3	103	25	30.8	FALSE
10/1/17 16:15	6	109	25.3	30.8	FALSE
10/1/17 16:30	6.8	131	26	30.8	FALSE
10/1/17 16:45	7.7	123	26	30.8	FALSE
10/1/17 17:00	6.8	122	25.8	30.8	FALSE
10/1/17 17:15	6.7	108	25	30.8	FALSE
10/1/17 17:30	7.4	102	25.1	30.8	FALSE
10/1/17 17:45	6	105	25.9	30.8	FALSE
10/1/17 18:00	6.7	92	25.8	30.8	FALSE
10/1/17 18:15	5.9	98	25.1	30.8	FALSE
10/1/17 18:30	5.9	113	24.9	30.8	FALSE
10/1/17 18:45	6.6	109	24.9	30.8	FALSE
10/1/17 19:00	5.7	106	24.7	30.8	FALSE
10/1/17 19:15	7	115	24.4	30.8	FALSE
10/1/17 19:30	7.2	122	24	30.8	FALSE
10/1/17 19:45	8.7	121	23.7	30.8	FALSE
10/1/17 20:00	7.5	123	23.4	30.8	FALSE
10/1/17 20:15	8.4	120	23.3	30.8	FALSE
10/1/17 20:30	7.9	118	23.1	30.8	FALSE
10/1/17 20:45	7.5	118	23	30.8	FALSE
10/1/17 21:00	7.8	113	22.9	30.8	FALSE
10/1/17 21:15	7.4	117	22.8	30.8	FALSE
10/1/17 21:30	8	118	22.7	30.8	FALSE
10/1/17 21:45	7.1	118	22.6	30.8	FALSE
10/1/17 22:00	6.5	119	22.5	30.8	FALSE

10/1/17 22:15	7.3	121	22.4	30.8	FALSE
10/1/17 22:30	6.9	113	22.4	30.8	FALSE
10/1/17 22:45	5.8	115	22.3	30.8	FALSE
10/1/17 23:00	6.1	111	22.2	30.8	FALSE
10/1/17 23:15	7.2	118	22.2	30.8	FALSE
10/1/17 23:30	7.3	117	22.2	30.8	FALSE
10/1/17 23:45	6.6	122	22.1	30.8	FALSE
10/2/17 0:00	8.1	123	22.1	30.8	FALSE
10/2/17 0:15	6.7	126	22	30.8	FALSE
10/2/17 0:30	6.7	127	21.9	30.8	FALSE
10/2/17 0:45	7.2	128	21.8	30.8	FALSE
10/2/17 1:00	8.1	127	21.7	30.8	FALSE
10/2/17 1:15	7.5	127	21.7	30.8	FALSE
10/2/17 1:30	8.7	129	21.7	30.8	FALSE
10/2/17 1:45	7.7	130	21.8	30.8	FALSE
10/2/17 2:00	8.4	134	21.7	30.8	FALSE
10/2/17 2:15	8.5	135	21.7	30.8	FALSE
10/2/17 2:30	9.6	139	21.7	30.8	FALSE
10/2/17 2:45	9.3	136	21.8	30.8	FALSE
10/2/17 3:00	9.2	136	21.7	30.8	FALSE
10/2/17 3:15	8.5	133	21.7	30.8	FALSE
10/2/17 3:30	7.9	140	21.6	30.8	FALSE
10/2/17 3:45	8.1	144	21.6	30.8	FALSE
10/2/17 4:00	6	147	21.5	30.8	FALSE
10/2/17 4:15	5.1	152	21.4	30.8	FALSE
10/2/17 4:30	6.5	145	21.2	30.8	FALSE
10/2/17 4:45	5.8	142	21	30.8	FALSE
10/2/17 5:00	5	142	20.8	30.8	FALSE
10/2/17 5:15	5.1	135	20.8	30.8	FALSE
10/2/17 5:30	6.6	136	20.7	30.8	FALSE
10/2/17 5:45	5.4	125	20.5	30.8	FALSE
10/2/17 6:00	5.3	132	20.3	30.8	FALSE
10/2/17 6:15	6.3	141	20.1	30.8	FALSE
10/2/17 6:30	5.5	142	19.9	30.8	FALSE
10/2/17 6:45	4.8	152	19.7	30.8	FALSE
10/2/17 7:00	4.8	132	19.5	30.8	FALSE
10/2/17 7:15	4.9	124	19.4	30.8	FALSE
10/2/17 7:30	3.9	136	19.4	30.8	FALSE
10/2/17 7:45	5.2	134	19.3	30.8	FALSE
10/2/17 8:00	5.9	138	19.5	30.8	FALSE
10/2/17 8:15	7	139	19.6	30.8	FALSE
10/2/17 8:30	7.8	138	19.8	30.8	FALSE
10/2/17 8:45	8	141	20	30.8	FALSE
10/2/17 9:00	8.9	145	20.2	30.8	FALSE
10/2/17 9:15	8	145	20.3	30.8	FALSE
10/2/17 9:30	8.2	154	20.8	30.8	FALSE
10/2/17 9:45	8.9	152	21.6	30.8	FALSE

10/2/17 10:00	10.6	154	21.7	30.8	FALSE
10/2/17 10:15	8.1	154	22	30.8	FALSE
10/2/17 10:30	9.3	151	22.9	30.8	FALSE
10/2/17 10:45	9.9	145	23.3	30.8	FALSE
10/2/17 11:00	9.8	146	23.7	30.8	FALSE
10/2/17 11:15	8.2	146	24.4	30.8	FALSE
10/2/17 11:30	8.1	133	24.9	30.8	FALSE
10/2/17 11:45	8.2	144	25.4	30.8	FALSE
10/2/17 12:00	8.7	149	25.9	30.8	FALSE
10/2/17 12:15	7.2	142	26.6	30.8	FALSE
10/2/17 12:30	7.1	137	27.5	30.8	FALSE
10/2/17 12:45	6.8	143	27.5	30.8	FALSE
10/2/17 13:00	7.3	144	27.8	30.8	FALSE
10/2/17 13:15	6.8	129	28.3	30.8	FALSE
10/2/17 13:30	7.4	125	28.3	30.8	FALSE
10/2/17 13:45	7.2	126	28.2	30.8	FALSE
10/2/17 14:00	7.9	113	28.4	30.8	FALSE
10/2/17 14:15	8.6	124	28.8	30.8	FALSE
10/2/17 14:30	8.6	140	29.3	30.8	FALSE
10/2/17 14:45	10.6	130	29.2	30.8	FALSE
10/2/17 15:00	9.5	116	29.5	30.8	FALSE
10/2/17 15:15	9.5	136	29.7	30.8	FALSE
10/2/17 15:30	9.3	125	29.9	30.8	FALSE
10/2/17 15:45	9.3	117	29.8	30.8	FALSE
10/2/17 16:00	8.2	116	29.4	30.8	FALSE
10/2/17 16:15	8	120	29.4	30.8	FALSE
10/2/17 16:30	8.8	115	29.2	30.8	FALSE
10/2/17 16:45	9.9	116	29.5	30.8	FALSE
10/2/17 17:00	9.8	115	29.6	30.8	FALSE
10/2/17 17:15	9.6	114	29.5	30.8	FALSE
10/2/17 17:30	10.2	120	29.2	30.8	FALSE
10/2/17 17:45	8.6	108	29.1	30.8	FALSE
10/2/17 18:00	10.1	111	28.7	30.8	FALSE
10/2/17 18:15	9.3	111	28.4	30.8	FALSE
10/2/17 18:30	8.5	112	28.1	30.8	FALSE
10/2/17 18:45	8.8	110	27.7	30.8	FALSE
10/2/17 19:00	8.2	117	27.3	30.8	FALSE
10/2/17 19:15	7.8	115	26.9	30.8	FALSE
10/2/17 19:30	7	118	26.6	30.8	FALSE
10/2/17 19:45	8.1	116	26.5	30.8	FALSE
10/2/17 20:00	7.4	116	26.3	30.8	FALSE
10/2/17 20:15	6.4	123	26.1	30.8	FALSE
10/2/17 20:30	9.1	129	25.9	30.8	FALSE
10/2/17 20:45	8	128	25.6	30.8	FALSE
10/2/17 21:00	8	125	25.4	30.8	FALSE
10/2/17 21:15	9.1	124	25.1	30.8	FALSE
10/2/17 21:30	9.1	125	25	30.8	FALSE

10/2/17 21:45	9.1	131	24.9	30.8	FALSE
10/2/17 22:00	9.1	134	24.8	30.8	FALSE
10/2/17 22:15	8.2	133	24.5	30.8	FALSE
10/2/17 22:30	8	132	24.3	30.8	FALSE
10/2/17 22:45	10	132	24.2	30.8	FALSE
10/2/17 23:00	11.2	134	24	30.8	FALSE
10/2/17 23:15	10.4	131	23.7	30.8	FALSE
10/2/17 23:30	9.8	129	23.3	30.8	FALSE
10/2/17 23:45	9	130	23	30.8	FALSE
10/3/17 0:00	9.6	134	22.7	30.8	FALSE
10/3/17 0:15	10.4	135	22.5	30.8	FALSE
10/3/17 0:30	10.4	138	22.3	30.8	FALSE
10/3/17 0:45	10.4	138	22.2	30.8	FALSE
10/3/17 1:00	9.5	144	22	30.8	FALSE
10/3/17 1:15	8.4	140	21.9	30.8	FALSE
10/3/17 1:30	9.3	141	21.8	30.8	FALSE
10/3/17 1:45	8.6	140	21.7	30.8	FALSE
10/3/17 2:00	9.6	145	21.9	30.8	FALSE
10/3/17 2:15	9.2	146	22	30.8	FALSE
10/3/17 2:30	10.9	143	21.9	30.8	FALSE
10/3/17 2:45	10	146	21.9	30.8	FALSE
10/3/17 3:00	9.3	144	21.8	30.8	FALSE
10/3/17 3:15	8.8	141	21.8	30.8	FALSE
10/3/17 3:30	8.6	136	21.8	30.8	FALSE
10/3/17 3:45	8	134	21.8	30.8	FALSE
10/3/17 4:00	7.6	143	21.8	30.8	FALSE
10/3/17 4:15	8	142	21.9	30.8	FALSE
10/3/17 4:30	7.8	141	22	30.8	FALSE
10/3/17 4:45	7.7	137	22	30.8	FALSE
10/3/17 5:00	7.1	142	22	30.8	FALSE
10/3/17 5:15	6.9	142	22	30.8	FALSE
10/3/17 5:30	6.5	133	22	30.8	FALSE
10/3/17 5:45	6.4	143	22.1	30.9	FALSE
10/3/17 6:00	5.5	148	22.1	30.9	FALSE
10/3/17 6:15	6.9	145	22.1	30.9	FALSE
10/3/17 6:30	6.6	146	22.1	30.9	FALSE
10/3/17 6:45	7.5	142	22.1	30.9	FALSE
10/3/17 7:00	7.2	144	22.2	30.9	FALSE
10/3/17 7:15	7.3	144	22.3	30.9	FALSE
10/3/17 7:30	7.9	147	22.4	30.9	FALSE
10/3/17 7:45	7.3	146	22.5	30.9	FALSE
10/3/17 8:00	7.3	144	22.5	30.9	FALSE
10/3/17 8:15	6.8	145	22.6	30.9	FALSE
10/3/17 8:30	7.4	142	22.8	30.9	FALSE
10/3/17 8:45	9	136	23	30.9	FALSE
10/3/17 9:00	9.4	135	23.1	30.9	FALSE
10/3/17 9:15	10.3	142	23.2	30.9	FALSE

10/3/17 9:30	11	141	23.3	30.9	FALSE
10/3/17 9:45	10.9	142	23.5	30.9	FALSE
10/3/17 10:00	10.7	136	23.7	30.9	FALSE
10/3/17 10:15	11.8	140	23.7	30.9	FALSE
10/3/17 10:30	12.1	142	23.6	30.9	FALSE
10/3/17 10:45	11.4	146	23.7	30.9	FALSE
10/3/17 11:00	11.1	148	23.7	30.9	FALSE
10/3/17 11:15	10.5	153	24	30.9	FALSE
10/3/17 11:30	10.1	161	24.1	30.9	FALSE
10/3/17 11:45	9.3	156	24.3	30.9	FALSE
10/3/17 12:00	10.1	166	24.9	30.9	FALSE
10/3/17 12:15	12.7	162	25	30.9	FALSE
10/3/17 12:30	12.5	164	25.7	30.9	FALSE
10/3/17 12:45	12.8	176	25.1	30.9	FALSE
10/3/17 13:00	11	184	24.4	30.9	FALSE
10/3/17 13:15	10.8	164	23.5	30.9	FALSE
10/3/17 13:30	10.8	165	23.6	30.9	FALSE
10/3/17 13:45	8.1	156	23.5	30.9	FALSE
10/3/17 14:00	9.5	145	22.4	30.9	FALSE
10/3/17 14:15	7.7	144	21.8	30.9	FALSE
10/3/17 14:30	7.1	139	21.6	30.9	FALSE
10/3/17 14:45	6.4	149	21.7	30.9	FALSE
10/3/17 15:00	7.2	140	22.7	30.9	FALSE
10/3/17 15:15	7.5	137	23.4	30.9	FALSE
10/3/17 15:30	5.2	156	23.5	30.9	FALSE
10/3/17 15:45	6.1	146	23.4	30.9	FALSE
10/3/17 16:00	6.1	142	23.7	30.9	FALSE
10/3/17 16:15	7.1	145	23.9	30.9	FALSE
10/3/17 16:30	6.3	142	24	30.9	FALSE
10/3/17 16:45	7.8	136	24.4	30.9	FALSE
10/3/17 17:00	8.4	157	24.7	30.9	FALSE
10/3/17 17:15	8.6	168	24.6	30.9	FALSE
10/3/17 17:30	9	158	25	30.9	FALSE
10/3/17 17:45	9.6	142	25.2	30.9	FALSE
10/3/17 18:00	7.6	155	25.2	30.9	FALSE
10/3/17 18:15	7.7	179	25.2	30.9	FALSE
10/3/17 18:30	7.1	163	25	30.9	FALSE
10/3/17 18:45	4.1	118	24.7	30.9	FALSE
10/3/17 19:00	4.2	113	24.3	30.9	FALSE
10/3/17 19:15	4.3	110	24	30.9	FALSE
10/3/17 19:30	4.7	113	23.8	30.9	FALSE
10/3/17 19:45	4.4	108	23.6	30.9	FALSE
10/3/17 20:00	3.2	108	23.4	30.9	FALSE
10/3/17 20:15	3.7	138	23.3	30.9	FALSE
10/3/17 20:30	3.5	133	23.2	30.9	FALSE
10/3/17 20:45	3.1	123	23.2	30.9	FALSE
10/3/17 21:00	2.9	126	23.2	30.9	FALSE

10/3/17 21:15	3.6	119	23.2	30.9	FALSE
10/3/17 21:30	3.4	128	23.2	30.9	FALSE
10/3/17 21:45	3.8	136	23.1	30.9	FALSE
10/3/17 22:00	6.3	136	23.1	30.9	FALSE
10/3/17 22:15	6.4	153	23.2	30.9	FALSE
10/3/17 22:30	9.1	151	23.2	30.9	FALSE
10/3/17 22:45	11.8	153	23.6	30.9	FALSE
10/3/17 23:00	9.4	146	23.1	30.9	FALSE
10/3/17 23:15	10.8	145	22.6	30.9	FALSE
10/3/17 23:30	8	185	22.7	30.9	FALSE
10/3/17 23:45	6.1	189	22.9	30.9	FALSE
10/4/17 0:00	3.3	273	22.8	30.9	FALSE
10/4/17 0:15	2.5	360	22.5	30.9	FALSE
10/4/17 0:30	3.7	51	22	30.9	FALSE
10/4/17 0:45	3.7	156	22.1	30.9	FALSE
10/4/17 1:00	5.4	175	22.4	30.9	FALSE
10/4/17 1:15	7.5	177	22.4	30.9	FALSE
10/4/17 1:30	6.1	167	22.2	30.9	FALSE
10/4/17 1:45	6.5	179	22.1	30.9	FALSE
10/4/17 2:00	5.5	179	21.9	30.9	FALSE
10/4/17 2:15	4.7	167	21.9	30.9	FALSE
10/4/17 2:30	3.6	175	22	30.9	FALSE
10/4/17 2:45	2.9	198	22	30.9	FALSE
10/4/17 3:00	1.1	19	21.7	30.9	FALSE
10/4/17 3:15	2.4	66	21.4	30.9	FALSE
10/4/17 3:30	2	118	21.5	30.9	FALSE
10/4/17 3:45	2.7	109	21.5	30.9	FALSE
10/4/17 4:00	2.5	114	21.6	30.9	FALSE
10/4/17 4:15	2.2	113	21.6	30.9	FALSE
10/4/17 4:30	1.5	154	21.6	30.9	FALSE
10/4/17 4:45	1.6	64	21.4	30.9	FALSE
10/4/17 5:00	1.7	58	21.1	30.9	FALSE
10/4/17 5:15	1.8	94	21.1	30.9	FALSE
10/4/17 5:30	1.9	95	21.1	30.9	FALSE
10/4/17 5:45	2.9	99	21.2	30.9	FALSE
10/4/17 6:00	3	105	21.3	30.9	FALSE
10/4/17 6:15	2.6	107	21.3	30.9	FALSE
10/4/17 6:30	2.1	100	21.4	30.9	FALSE
10/4/17 6:45	2.9	114	21.5	30.9	FALSE
10/4/17 7:00	3.3	115	21.5	30.9	FALSE
10/4/17 7:15	4.9	116	21.4	30.9	FALSE
10/4/17 7:30	3.1	123	21.4	30.9	FALSE
10/4/17 7:45	2.4	125	21.4	30.9	FALSE
10/4/17 8:00	3.1	140	21.4	30.9	FALSE
10/4/17 8:15	3.1	136	21.5	30.9	FALSE
10/4/17 8:30	2.9	147	21.7	30.9	FALSE
10/4/17 8:45	3.5	161	22	30.9	FALSE

10/4/17 9:00	4.4	177	22.3	30.9	FALSE
10/4/17 9:15	4	197	22.7	30.9	FALSE
10/4/17 9:30	5.2	196	22.8	30.9	FALSE
10/4/17 9:45	5.8	200	22.5	30.9	FALSE
10/4/17 10:00	4.6	191	22.4	30.9	FALSE
10/4/17 10:15	5.2	196	22.2	30.9	FALSE
10/4/17 10:30	3.7	191	21.8	30.9	FALSE
10/4/17 10:45	4.2	191	22.2	30.9	FALSE
10/4/17 11:00	3.1	205	22.5	30.9	FALSE
10/4/17 11:15	2.6	181	22.5	30.9	FALSE
10/4/17 11:30	2.6	137	22.5	30.9	FALSE
10/4/17 11:45	1.3	132	23	30.9	FALSE
10/4/17 12:00	1.7	16	23.7	30.9	FALSE
10/4/17 12:15	2.6	25	24.2	30.9	FALSE
10/4/17 12:30	2.7	47	25.3	30.9	FALSE
10/4/17 12:45	3.5	302	25.00	30.90	FALSE
10/4/17 13:00	4.3	343	24.40	30.90	FALSE
10/4/17 13:15	1.8	47	24.80	30.90	FALSE
10/4/17 13:30	2.1	225	25.80	30.90	FALSE
10/4/17 13:45	3.1	213	25.30	30.90	FALSE
10/4/17 14:00	3.5	214	25.30	30.90	FALSE
10/4/17 14:15	1.9	163	25.80	30.90	FALSE
10/4/17 14:30	3.3	214	25.60	30.90	FALSE
10/4/17 14:45	3.1	189	25.30	30.90	FALSE
10/4/17 15:00	3.9	175	25.80	30.90	FALSE
10/4/17 15:15	2.5	142	26.10	30.90	FALSE
10/4/17 15:30	2.8	191	26.30	30.90	FALSE
10/4/17 15:45	3.3	225	26.10	30.90	FALSE
10/4/17 16:00	3.3	204	25.80	30.90	FALSE
10/4/17 16:15	3.4	189	25.90	30.90	FALSE
10/4/17 16:30	3.6	194	26.00	30.90	FALSE
10/4/17 16:45	3.7	198	25.80	30.90	FALSE
10/4/17 17:00	2.6	257	25.70	30.90	FALSE
10/4/17 17:15	2.3	37	25.50	30.90	FALSE
10/4/17 17:30	1.8	20	25.40	30.90	FALSE
10/4/17 17:45	1.8	0	25.40	30.90	FALSE
10/4/17 18:00	2.7	323	25.10	30.90	FALSE
10/4/17 18:15	2.5	318	24.80	30.90	FALSE
10/4/17 18:30	3.7	352	24.50	30.90	FALSE
10/4/17 18:45	2.2	324	24.20	30.90	FALSE
10/4/17 19:00	2.6	323	24.00	30.90	FALSE
10/4/17 19:15	2.5	329	23.80	30.90	FALSE
10/4/17 19:30	1.8	2	23.70	30.90	FALSE
10/4/17 19:45	1.3	14	23.50	30.90	FALSE
10/4/17 20:00	3.9	341	23.40	30.90	FALSE
10/4/17 20:15	3.3	332	23.20	30.90	FALSE
10/4/17 20:30	3.2	333	23.10	30.90	FALSE

10/4/17 20:45	3.4	326	22.90	30.90	FALSE
10/4/17 21:00	4.4	335	22.70	30.90	FALSE
10/4/17 21:15	3.8	343	22.50	30.90	FALSE
10/4/17 21:30	3.9	13	22.30	30.90	FALSE
10/4/17 21:45	3.5	352	22.20	30.90	FALSE
10/4/17 22:00	2.7	354	22.20	30.90	FALSE
10/4/17 22:15	1.6	2	22.10	30.90	FALSE
10/4/17 22:30	2	350	22.10	30.90	FALSE
10/4/17 22:45	2.1	354	22.00	30.90	FALSE
10/4/17 23:00	1.8	24	22.00	30.90	FALSE
10/4/17 23:15	1.8	10	21.90	30.90	FALSE
10/4/17 23:30	1.8	18	21.90	30.90	FALSE
10/4/17 23:45	1.1	76	21.90	30.90	FALSE
10/5/17 0:00	0.7	33	21.90	30.90	1
10/5/17 0:15	1.1	298	21.90	30.90	FALSE
10/5/17 0:30	1.7	235	22.00	30.90	FALSE
10/5/17 0:45	0.8	7	22.00	30.90	1
10/5/17 1:00	1	64	22.00	30.90	1
10/5/17 1:15	1.7	280	21.90	30.90	FALSE
10/5/17 1:30	1.7	341	21.90	30.90	FALSE
10/5/17 1:45	0.8	75	21.90	30.90	1
10/5/17 2:00	1.1	48	21.80	30.90	FALSE
10/5/17 2:15	1.3	170	21.90	30.90	FALSE
10/5/17 2:30	1.5	96	21.90	30.90	FALSE
10/5/17 2:45	3.5	165	21.90	30.90	FALSE
10/5/17 3:00	2.9	210	21.80	30.90	FALSE
10/5/17 3:15	1.8	297	21.70	30.90	FALSE
10/5/17 3:30	1.5	156	21.80	30.90	FALSE
10/5/17 3:45	2.8	192	21.70	30.90	FALSE
10/5/17 4:00	2.9	211	21.60	30.90	FALSE
10/5/17 4:15	3.3	191	21.60	30.90	FALSE
10/5/17 4:30	3	190	21.60	30.90	FALSE
10/5/17 4:45	3.7	187	21.60	30.90	FALSE
10/5/17 5:00	4.1	195	21.50	30.90	FALSE
10/5/17 5:15	4.1	194	21.50	30.90	FALSE
10/5/17 5:30	4	192	21.50	30.90	FALSE
10/5/17 5:45	3.4	197	21.50	30.90	FALSE
10/5/17 6:00	3.2	209	21.50	30.90	FALSE
10/5/17 6:15	2.8	213	21.50	30.90	FALSE
10/5/17 6:30	2.5	199	21.40	30.90	FALSE
10/5/17 6:45	3.3	204	21.40	30.90	FALSE
10/5/17 7:00	1.9	233	21.40	30.90	FALSE
10/5/17 7:15	2.8	218	21.30	30.90	FALSE
10/5/17 7:30	3.9	211	21.30	30.90	FALSE
10/5/17 7:45	4.3	219	21.30	30.90	FALSE
10/5/17 8:00	4.4	217	21.30	30.90	FALSE
10/5/17 8:15	3.8	217	21.40	30.90	FALSE



10/5/17 8:30	3.9	210	21.40	30.90	FALSE
10/5/17 8:45	3.7	210	21.60	30.90	FALSE
10/5/17 9:00	4.4	195	21.60	30.90	FALSE
10/5/17 9:15	4.2	210	21.80	30.90	FALSE
10/5/17 9:30	3.6	228	21.90	30.90	FALSE
10/5/17 9:45	2.9	205	22.00	30.90	FALSE
10/5/17 10:00	3.4	200	22.10	30.90	FALSE
10/5/17 10:15	3.9	201	22.30	30.90	FALSE
10/5/17 10:30	3.9	202	22.60	30.90	FALSE
10/5/17 10:45	3.8	211	22.90	30.90	FALSE
10/5/17 11:00	3.3	208	23.30	30.90	FALSE
10/5/17 11:15	2.5	223	24.20	30.80	FALSE
10/5/17 11:30	3.9	233	24.50	30.80	FALSE
10/5/17 11:45	3.3	197	24.70	30.80	FALSE
10/5/17 12:00	4.1	226	24.60	30.80	FALSE
10/5/17 12:15	4.3	221	24.90	30.80	FALSE
10/5/17 12:30	5.5	232	25.40	30.80	FALSE
10/5/17 12:45	4.9	239	25.40	30.80	FALSE
10/5/17 13:00	4.6	241	26.00	30.80	FALSE
10/5/17 13:15	4.6	266	26.80	30.80	FALSE
10/5/17 13:30	4.2	294	26.10	30.80	FALSE
10/5/17 13:45	4.6	216	26.80	30.80	FALSE
10/5/17 14:00	3.4	265	27.10	30.80	FALSE
10/5/17 14:15	3.9	244	27.70	30.80	FALSE
10/5/17 14:30	5	208	27.00	30.80	FALSE
10/5/17 14:45	4.6	220	26.80	30.80	FALSE
10/5/17 15:00	5.6	232	26.60	30.80	FALSE
10/5/17 15:15	3.7	280	26.80	30.80	FALSE
10/5/17 15:30	2.3	257	27.40	30.80	FALSE
10/5/17 15:45	6.7	207	27.30	30.80	FALSE
10/5/17 16:00	6.8	199	27.40	30.80	FALSE
10/5/17 16:15	6.9	205	27.00	30.80	FALSE
10/5/17 16:30	6.1	203	27.00	30.80	FALSE
10/5/17 16:45	5.3	203	27.00	30.80	FALSE
10/5/17 17:00	4	183	27.10	30.80	FALSE
10/5/17 17:15	4.5	218	27.10	30.80	FALSE
10/5/17 17:30	4.3	227	26.90	30.80	FALSE
10/5/17 17:45	3.6	185	26.90	30.80	FALSE
10/5/17 18:00	4.8	185	26.70	30.80	FALSE
10/5/17 18:15	3.8	194	26.60	30.80	FALSE
10/5/17 18:30	3	222	26.40	30.80	FALSE
10/5/17 18:45	2.2	239	26.20	30.80	FALSE
10/5/17 19:00	1.1	276	25.80	30.80	FALSE
10/5/17 19:15	0.6	30	25.40	30.80	1
10/5/17 19:30	1.8	32	24.90	30.80	FALSE
10/5/17 19:45	2.6	40	24.50	30.80	FALSE
10/5/17 20:00	3	76	24.50	30.80	FALSE

10/5/17 20:15	2.3	26	24.30	30.80	FALSE
10/5/17 20:30	2	30	23.80	30.80	FALSE
10/5/17 20:45	2.3	101	24.10	30.80	FALSE
10/5/17 21:00	1.7	91	24.00	30.80	FALSE
10/5/17 21:15	2.6	98	23.90	30.80	FALSE
10/5/17 21:30	3.1	103	24.00	30.80	FALSE
10/5/17 21:45	3.3	110	24.00	30.80	FALSE
10/5/17 22:00	3.5	119	24.00	30.80	FALSE
10/5/17 22:15	3.4	111	24.10	30.80	FALSE
10/5/17 22:30	2.6	99	24.10	30.80	FALSE
10/5/17 22:45	1.2	273	23.80	30.80	FALSE
10/5/17 23:00	0.7	358	23.30	30.80	1
10/5/17 23:15	1	353	23.00	30.80	1
10/5/17 23:30	1.1	69	22.90	30.80	FALSE
10/5/17 23:45	1.7	174	23.00	30.80	FALSE
10/6/17 0:00	1.6	168	23.10	30.80	FALSE
10/6/17 0:15	2.3	149	23.20	30.80	FALSE
10/6/17 0:30	1.4	136	23.20	30.80	FALSE
10/6/17 0:45	2	158	23.20	30.80	FALSE
10/6/17 1:00	3.4	166	23.30	30.80	FALSE
10/6/17 1:15	5	148	23.40	30.80	FALSE
10/6/17 1:30	6.2	147	23.40	30.80	FALSE
10/6/17 1:45	5.4	167	23.40	30.80	FALSE
10/6/17 2:00	3.9	189	23.30	30.80	FALSE
10/6/17 2:15	3.5	179	23.00	30.80	FALSE
10/6/17 2:30	3.8	175	23.00	30.80	FALSE
10/6/17 2:45	4.8	167	23.10	30.80	FALSE
10/6/17 3:00	5.4	172	23.30	30.80	FALSE
10/6/17 3:15	5.8	180	23.30	30.80	FALSE
10/6/17 3:30	6.6	178	23.20	30.80	FALSE
10/6/17 3:45	6.4	177	23.10	30.80	FALSE
10/6/17 4:00	5.8	170	23.00	30.80	FALSE
10/6/17 4:15	4.9	166	22.90	30.80	FALSE
10/6/17 4:30	5.2	171	22.90	30.80	FALSE
10/6/17 4:45	5.2	163	22.90	30.80	FALSE
10/6/17 5:00	5.4	175	22.90	30.80	FALSE
10/6/17 5:15	4.6	170	22.90	30.80	FALSE
10/6/17 5:30	5	174	22.80	30.80	FALSE
10/6/17 5:45	5.1	175	22.70	30.80	FALSE
10/6/17 6:00	5.4	181	22.70	30.80	FALSE
10/6/17 6:15	5.3	182	22.60	30.80	FALSE
10/6/17 6:30	4.4	188	22.50	30.80	FALSE
10/6/17 6:45	4.5	192	22.40	30.80	FALSE
10/6/17 7:00	5.9	275	22.20	30.80	FALSE
10/6/17 7:15	2.1	273	21.80	30.80	FALSE
10/6/17 7:30	2.9	282	21.60	30.80	FALSE
10/6/17 7:45	4.6	304	21.30	30.80	FALSE

10/6/17 8:00	3.3	318	21.10	30.80	FALSE
10/6/17 8:15	2.6	351	21.00	30.80	FALSE
10/6/17 8:30	3.5	46	20.80	30.80	FALSE
10/6/17 8:45	4.2	53	20.70	30.80	FALSE
10/6/17 9:00	3.3	76	20.90	30.80	FALSE
10/6/17 9:15	4.2	86	21.20	30.80	FALSE
10/6/17 9:30	3.8	95	21.40	30.80	FALSE
10/6/17 9:45	3	103	21.80	30.80	FALSE
10/6/17 10:00	4.3	97	22.10	30.80	FALSE
10/6/17 10:15	3.8	104	22.50	30.80	FALSE
10/6/17 10:30	4.5	132	23.20	30.80	FALSE
10/6/17 10:45	4.7	142	23.60	30.80	FALSE
10/6/17 11:00	4.7	141	24.00	30.80	FALSE
10/6/17 11:15	6.3	148	24.40	30.80	FALSE
10/6/17 11:30	7	161	24.80	30.80	FALSE
10/6/17 11:45	6	154	25.00	30.80	FALSE
10/6/17 12:00	6.6	167	25.30	30.80	FALSE
10/6/17 12:15	7.6	170	25.40	30.80	FALSE
10/6/17 12:30	8.5	171	25.40	30.80	FALSE
10/6/17 12:45	8.1	176	25.40	30.80	FALSE
10/6/17 13:00	7.5	185	25.40	30.80	FALSE
10/6/17 13:15	7.4	184	25.70	30.80	FALSE
10/6/17 13:30	8.1	179	25.80	30.80	FALSE
10/6/17 13:45	8.3	192	25.30	30.80	FALSE
10/6/17 14:00	6.2	199	25.40	30.80	FALSE
10/6/17 14:15	6.3	206	25.50	30.70	FALSE
10/6/17 14:30	5.2	209	25.40	30.70	FALSE
10/6/17 14:45	5	234	25.70	30.70	FALSE
10/6/17 15:00	5	252	26.80	30.70	FALSE
10/6/17 15:15	4.9	276	26.80	30.70	FALSE
10/6/17 15:30	3.7	259	27.00	30.70	FALSE
10/6/17 15:45	2.3	232	27.40	30.70	FALSE
10/6/17 16:00	4.9	186	27.00	30.70	FALSE
10/6/17 16:15	4.9	166	26.90	30.70	FALSE
10/6/17 16:30	5.1	147	27.00	30.70	FALSE
10/6/17 16:45	4.9	168	27.20	30.70	FALSE
10/6/17 17:00	5.7	177	27.40	30.70	FALSE
10/6/17 17:15	5.4	157	27.60	30.70	FALSE
10/6/17 17:30	5.7	127	27.60	30.70	FALSE
10/6/17 17:45	3.8	125	27.50	30.70	FALSE
10/6/17 18:00	3.9	111	27.40	30.70	FALSE
10/6/17 18:15	4.2	110	27.10	30.70	FALSE
10/6/17 18:30	4.2	103	27.10	30.70	FALSE
10/6/17 18:45	3.7	100	27.00	30.70	FALSE
10/6/17 19:00	3.5	107	26.60	30.70	FALSE
10/6/17 19:15	6.6	129	26.70	30.70	FALSE
10/6/17 19:30	7.5	139	26.80	30.70	FALSE

10/6/17 19:45	8.2	139	26.80	30.70	FALSE
10/6/17 20:00	9.6	139	26.70	30.70	FALSE
10/6/17 20:15	8.4	145	26.40	30.70	FALSE
10/6/17 20:30	9.4	142	26.20	30.70	FALSE
10/6/17 20:45	8.2	142	25.90	30.70	FALSE
10/6/17 21:00	8.2	140	25.80	30.70	FALSE
10/6/17 21:15	7	137	25.70	30.70	FALSE
10/6/17 21:30	7.6	139	25.60	30.70	FALSE
10/6/17 21:45	6	137	25.60	30.70	FALSE
10/6/17 22:00	6.6	136	25.50	30.70	FALSE
10/6/17 22:15	7.2	135	25.30	30.70	FALSE
10/6/17 22:30	7.9	138	25.20	30.70	FALSE
10/6/17 22:45	7.9	138	25.10	30.70	FALSE
10/6/17 23:00	8.1	141	25.10	30.70	FALSE
10/6/17 23:15	8.1	140	25.00	30.70	FALSE
10/6/17 23:30	7.8	133	24.70	30.70	FALSE
10/6/17 23:45	8.3	137	24.40	30.70	FALSE
10/7/17 0:00	10.1	143	24.40	30.70	FALSE
10/7/17 0:15	9.5	143	24.30	30.70	FALSE
10/7/17 0:30	9.6	150	24.20	30.70	FALSE
10/7/17 0:45	9.5	147	24.10	30.70	FALSE
10/7/17 1:00	9.5	146	24.00	30.70	FALSE
10/7/17 1:15	11.2	142	23.80	30.70	FALSE
10/7/17 1:30	10.8	140	23.60	30.70	FALSE
10/7/17 1:45	10.3	139	23.40	30.70	FALSE
10/7/17 2:00	9.1	137	23.30	30.70	FALSE
10/7/17 2:15	8.9	138	23.30	30.70	FALSE
10/7/17 2:30	8.5	136	23.20	30.70	FALSE
10/7/17 2:45	7.8	138	23.10	30.70	FALSE
10/7/17 3:00	7.8	138	23.00	30.70	FALSE
10/7/17 3:15	8.3	136	23.00	30.70	FALSE
10/7/17 3:30	8.7	137	23.10	30.70	FALSE
10/7/17 3:45	9.6	140	23.30	30.70	FALSE
10/7/17 4:00	8.3	144	23.50	30.70	FALSE
10/7/17 4:15	8.7	148	23.60	30.70	FALSE
10/7/17 4:30	8.6	154	23.40	30.70	FALSE
10/7/17 4:45	9	158	23.00	30.70	FALSE
10/7/17 5:00	7.4	161	22.70	30.70	FALSE
10/7/17 5:15	8.1	172	22.40	30.70	FALSE
10/7/17 5:30	7.2	182	22.10	30.70	FALSE
10/7/17 5:45	5.1	165	21.70	30.70	FALSE
10/7/17 6:00	7.2	150	21.70	30.70	FALSE
10/7/17 6:15	8.4	159	22.00	30.70	FALSE
10/7/17 6:30	8.5	156	22.00	30.70	FALSE
10/7/17 6:45	7.1	158	22.00	30.70	FALSE
10/7/17 7:00	7.5	170	22.40	30.70	FALSE
10/7/17 7:15	7.5	164	22.80	30.70	FALSE

10/7/17 7:30	8.2	153	23.00	30.70	FALSE
10/7/17 7:45	10.9	147	23.00	30.70	FALSE
10/7/17 8:00	12.2	146	23.30	30.70	FALSE
10/7/17 8:15	14.9	150	23.70	30.60	FALSE
10/7/17 8:30	15.6	153	24.00	30.60	FALSE
10/7/17 8:45	13.8	155	24.00	30.60	FALSE
10/7/17 9:00	13.5	157	24.20	30.60	FALSE
10/7/17 9:15	13.6	156	24.90	30.60	FALSE
10/7/17 9:30	12.8	160	25.30	30.60	FALSE
10/7/17 9:45	13.4	161	25.50	30.60	FALSE
10/7/17 10:00	14.3	171	25.60	30.60	FALSE
10/7/17 10:15	15.7	170	25.70	30.60	FALSE
10/7/17 10:30	16.1	174	26.00	30.60	FALSE
10/7/17 10:45	17	180	26.20	30.60	FALSE
10/7/17 11:00	15.2	179	26.60	30.60	FALSE
10/7/17 11:15	16.2	180	26.40	30.60	FALSE
10/7/17 11:30	17.5	180	26.40	30.60	FALSE
10/7/17 11:45	16.6	178	26.50	30.60	FALSE
10/7/17 12:00	16.7	180	26.40	30.60	FALSE
10/7/17 12:15	16.5	181	26.40	30.60	FALSE
10/7/17 12:30	16.7	182	26.40	30.60	FALSE
10/7/17 12:45	14	186	26.40	30.60	FALSE
10/7/17 13:00	13.8	196	26.20	30.60	FALSE
10/7/17 13:15	16.5	195	25.60	30.60	FALSE
10/7/17 13:30	18.5	189	25.10	30.60	FALSE
10/7/17 13:45	20.7	200	24.70	30.60	FALSE
10/7/17 14:00	17.8	236	20.80	30.70	FALSE
10/7/17 14:15	14.5	221	19.10	30.70	FALSE
10/7/17 14:30	14.6	203	19.10	30.70	FALSE
10/7/17 14:45	12.1	188	19.00	30.70	FALSE
10/7/17 15:00	10.4	183	19.00	30.70	FALSE
10/7/17 15:15	9.9	172	19.10	30.60	FALSE
10/7/17 15:30	11.8	169	19.20	30.60	FALSE
10/7/17 15:45	10.9	177	19.30	30.60	FALSE
10/7/17 16:00	12	184	19.40	30.60	FALSE
10/7/17 16:15	10.4	193	19.50	30.60	FALSE
10/7/17 16:30	12.1	182	19.80	30.60	FALSE
10/7/17 16:45	13.3	188	20.60	30.60	FALSE
10/7/17 17:00	13.9	205	21.20	30.60	FALSE
10/7/17 17:15	16.4	208	21.50	30.70	FALSE
10/7/17 17:30	12.7	208	21.80	30.70	FALSE
10/7/17 17:45	12.9	204	21.90	30.70	FALSE
10/7/17 18:00	11.8	197	21.90	30.70	FALSE
10/7/17 18:15	10.5	198	21.90	30.70	FALSE
10/7/17 18:30	9.6	192	21.80	30.70	FALSE
10/7/17 18:45	8.9	195	21.60	30.70	FALSE
10/7/17 19:00	8	195	21.30	30.70	FALSE

10/7/17 19:15	7.2	193	21.10	30.70	FALSE
10/7/17 19:30	5.9	200	20.80	30.70	FALSE
10/7/17 19:45	4.7	210	20.40	30.70	FALSE
10/7/17 20:00	3.4	196	20.10	30.70	FALSE
10/7/17 20:15	3.6	183	20.00	30.70	FALSE
10/7/17 20:30	3.9	172	19.80	30.70	FALSE
10/7/17 20:45	4.6	175	19.70	30.70	FALSE
10/7/17 21:00	5.1	171	19.70	30.70	FALSE
10/7/17 21:15	5.4	176	19.70	30.70	FALSE
10/7/17 21:30	4.1	188	19.70	30.70	FALSE
10/7/17 21:45	2.4	202	19.30	30.70	FALSE
10/7/17 22:00	2.2	176	18.80	30.70	FALSE
10/7/17 22:15	4.3	195	18.90	30.70	FALSE
10/7/17 22:30	3.4	186	18.80	30.70	FALSE
10/7/17 22:45	1.3	151	18.30	30.70	FALSE
10/7/17 23:00	1.3	112	18.00	30.70	FALSE
10/7/17 23:15	0.6	81	17.50	30.70	1
10/7/17 23:30	1.7	103	17.10	30.70	FALSE
10/7/17 23:45	1.4	80	17.20	30.70	FALSE
10/8/17 0:00	1.7	88	16.80	30.70	FALSE
10/8/17 0:15	1.6	12	16.60	30.70	FALSE
10/8/17 0:30	3.3	104	16.30	30.70	FALSE
10/8/17 0:45	1.4	83	16.40	30.70	FALSE
10/8/17 1:00	2	113	16.60	30.70	FALSE
10/8/17 1:15	1.9	49	16.50	30.70	FALSE
10/8/17 1:30	2.7	100	16.40	30.70	FALSE
10/8/17 1:45	3.4	112	16.00	30.70	FALSE
10/8/17 2:00	2.4	119	16.00	30.70	FALSE
10/8/17 2:15	2.5	124	16.40	30.70	FALSE
10/8/17 2:30	1.7	102	16.10	30.70	FALSE
10/8/17 2:45	1	89	15.50	30.70	1
10/8/17 3:00	1.7	114	15.10	30.70	FALSE
10/8/17 3:15	2.7	120	15.00	30.70	FALSE
10/8/17 3:30	3.1	120	15.20	30.70	FALSE
10/8/17 3:45	3.4	125	15.60	30.70	FALSE
10/8/17 4:00	2.8	118	15.80	30.70	FALSE
10/8/17 4:15	1.2	130	15.50	30.70	FALSE
10/8/17 4:30	1.6	149	15.20	30.70	FALSE
10/8/17 4:45	0.8	196	14.90	30.70	1
10/8/17 5:00	0.6	305	14.70	30.70	1
10/8/17 5:15	0.6	64	14.30	30.70	1
10/8/17 5:30	1.3	74	14.30	30.70	FALSE
10/8/17 5:45	0.8	71	14.10	30.70	1
10/8/17 6:00	0.9	127	14.00	30.70	1
10/8/17 6:15	0.8	150	13.90	30.70	1
10/8/17 6:30	0.8	145	13.80	30.70	1
10/8/17 6:45	0.6	129	13.60	30.70	1

10/8/17 7:00	1.6	103	13.70	30.70	FALSE
10/8/17 7:15	2.1	115	14.10	30.70	FALSE
10/8/17 7:30	2.1	104	14.30	30.70	FALSE
10/8/17 7:45	1.2	229	14.70	30.70	FALSE
10/8/17 8:00	1.2	276	14.90	30.70	FALSE
10/8/17 8:15	0.7	295	15.60	30.70	1
10/8/17 8:30	0.7	52	16.90	30.70	1
10/8/17 8:45	1.7	99	17.90	30.70	FALSE
10/8/17 9:00	2.5	98	18.70	30.70	FALSE
10/8/17 9:15	2.7	105	19.30	30.70	FALSE
10/8/17 9:30	3	93	20.20	30.70	FALSE
10/8/17 9:45	4.2	105	20.80	30.70	FALSE
10/8/17 10:00	6.1	111	21.10	30.70	FALSE
10/8/17 10:15	5.1	119	21.50	30.70	FALSE
10/8/17 10:30	5.7	113	21.90	30.70	FALSE
10/8/17 10:45	6.3	103	22.20	30.70	FALSE
10/8/17 11:00	6.9	99	22.80	30.70	FALSE
10/8/17 11:15	6.6	111	23.30	30.70	FALSE
10/8/17 11:30	8	113	23.70	30.70	FALSE
10/8/17 11:45	6.6	102	24.10	30.70	FALSE
10/8/17 12:00	8.1	96	24.30	30.70	FALSE
10/8/17 12:15	8.8	82	24.50	30.70	FALSE
10/8/17 12:30	7.6	100	24.70	30.70	FALSE
10/8/17 12:45	10	72	24.70	30.70	FALSE
10/8/17 13:00	9	77	24.90	30.70	FALSE
10/8/17 13:15	7	103	25.50	30.70	FALSE
10/8/17 13:30	7.3	98	25.90	30.70	FALSE
10/8/17 13:45	6.7	80	25.90	30.70	FALSE
10/8/17 14:00	5.8	90	26.60	30.70	FALSE
10/8/17 14:15	5.5	112	27.10	30.70	FALSE
10/8/17 14:30	6.7	132	27.00	30.70	FALSE
10/8/17 14:45	5.4	143	27.20	30.70	FALSE
10/8/17 15:00	7.2	111	27.10	30.70	FALSE
10/8/17 15:15	5.8	105	26.90	30.70	FALSE
10/8/17 15:30	4.5	87	27.20	30.70	FALSE
10/8/17 15:45	4.3	84	27.00	30.60	FALSE
10/8/17 16:00	3.7	88	27.50	30.60	FALSE
10/8/17 16:15	4.5	117	27.20	30.60	FALSE
10/8/17 16:30	4.9	87	27.00	30.60	FALSE
10/8/17 16:45	5.7	93	27.00	30.60	FALSE
10/8/17 17:00	5.1	68	26.80	30.60	FALSE
10/8/17 17:15	4	102	26.80	30.60	FALSE
10/8/17 17:30	4.2	94	26.50	30.60	FALSE
10/8/17 17:45	3.9	77	26.70	30.60	FALSE
10/8/17 18:00	4.3	71	26.70	30.60	FALSE
10/8/17 18:15	4.4	61	26.30	30.60	FALSE
10/8/17 18:30	3.9	63	25.90	30.60	FALSE

10/8/17 18:45	2.9	54	25.50	30.60	FALSE
10/8/17 19:00	2.3	32	24.60	30.60	FALSE
10/8/17 19:15	2.4	49	24.00	30.60	FALSE
10/8/17 19:30	2.4	59	23.50	30.60	FALSE
10/8/17 19:45	2.5	63	23.30	30.70	FALSE
10/8/17 20:00	2.4	52	23.00	30.70	FALSE
10/8/17 20:15	2.1	23	22.20	30.70	FALSE
10/8/17 20:30	2.1	38	22.20	30.70	FALSE
10/8/17 20:45	1.4	44	21.50	30.70	FALSE
10/8/17 21:00	1.6	79	21.60	30.70	FALSE
10/8/17 21:15	1.3	98	21.70	30.70	FALSE
10/8/17 21:30	2.4	2	21.20	30.70	FALSE
10/8/17 21:45	0.8	53	20.50	30.70	1
10/8/17 22:00	0.8	96	20.40	30.70	1
10/8/17 22:15	1.1	314	20.00	30.70	FALSE
10/8/17 22:30	2.6	8	19.80	30.70	FALSE
10/8/17 22:45	0.9	35	19.30	30.70	1
10/8/17 23:00	1.3	5	18.90	30.70	FALSE
10/8/17 23:15	0.9	21	18.50	30.70	1
10/8/17 23:30	0.8	50	18.40	30.70	1
10/8/17 23:45	0.6	122	18.50	30.70	1
10/9/17 0:00	0.8	179	18.80	30.70	1
10/9/17 0:15	0.8	323	18.70	30.70	1
10/9/17 0:30	0.9	135	19.10	30.70	1
10/9/17 0:45	0.8	143	19.20	30.70	1
10/9/17 1:00	0.9	105	19.00	30.70	1
10/9/17 1:15	0.8	109	18.80	30.70	1
10/9/17 1:30	0.8	138	19.10	30.70	1
10/9/17 1:45	0.7	108	19.00	30.70	1
10/9/17 2:00	0.6	84	18.70	30.70	1
10/9/17 2:15	1.2	8	18.50	30.70	FALSE
10/9/17 2:30	0.6	47	18.50	30.70	1
10/9/17 2:45	0.7	108	18.70	30.70	1
10/9/17 3:00	0.6	26	18.60	30.70	1
10/9/17 3:15	0.7	76	18.60	30.70	1
10/9/17 3:30	0.9	46	18.70	30.70	1
10/9/17 3:45	1	14	18.70	30.70	1
10/9/17 4:00	0.7	84	18.80	30.70	1
10/9/17 4:15	1	146	19.00	30.70	1
10/9/17 4:30	1.4	92	19.30	30.70	FALSE
10/9/17 4:45	1.9	105	19.30	30.70	FALSE
10/9/17 5:00	1.3	98	19.20	30.70	FALSE
10/9/17 5:15	2	76	19.00	30.70	FALSE
10/9/17 5:30	1.3	106	18.90	30.70	FALSE
10/9/17 5:45	2.4	122	18.90	30.70	FALSE
10/9/17 6:00	2.2	124	19.00	30.70	FALSE
10/9/17 6:15	2.2	114	19.00	30.70	FALSE



10/9/17 6:30	2.1	113	18.90	30.70	FALSE
10/9/17 6:45	2.2	108	18.90	30.70	FALSE
10/9/17 7:00	2.1	113	18.90	30.70	FALSE
10/9/17 7:15	2	101	19.00	30.70	FALSE
10/9/17 7:30	2.5	111	19.00	30.70	FALSE
10/9/17 7:45	3	98	19.00	30.70	FALSE
10/9/17 8:00	2.4	113	19.20	30.70	FALSE
10/9/17 8:15	3.3	127	19.70	30.70	FALSE
10/9/17 8:30	5.2	143	19.80	30.70	FALSE
10/9/17 8:45	4	140	20.30	30.70	FALSE
10/9/17 9:00	3.2	116	21.10	30.70	FALSE
10/9/17 9:15	2.9	86	21.60	30.70	FALSE
10/9/17 9:30	4.5	121	22.20	30.70	FALSE
10/9/17 9:45	4.8	112	22.60	30.70	FALSE
10/9/17 10:00	5.9	152	22.00	30.70	FALSE
10/9/17 10:15	4.4	112	21.80	30.70	FALSE
10/9/17 10:30	4.6	117	22.30	30.70	FALSE
10/9/17 10:45	4.9	147	22.70	30.70	FALSE
10/9/17 11:00	4.8	159	22.90	30.70	FALSE
10/9/17 11:15	4.2	125	23.40	30.70	FALSE
10/9/17 11:30	6.1	123	23.50	30.70	FALSE
10/9/17 11:45	7	144	23.40	30.70	FALSE
10/9/17 12:00	6.4	126	23.80	30.70	FALSE
10/9/17 12:15	6.2	112	24.40	30.70	FALSE
10/9/17 12:30	6.4	130	25.20	30.70	FALSE
10/9/17 12:45	7.7	153	25.00	30.70	FALSE
10/9/17 13:00	8.1	147	24.40	30.70	FALSE
10/9/17 13:15	8.7	151	24.30	30.70	FALSE
10/9/17 13:30	6.4	139	24.50	30.70	FALSE
10/9/17 13:45	6.7	140	24.50	30.70	FALSE
10/9/17 14:00	6.3	121	24.40	30.70	FALSE
10/9/17 14:15	6.1	121	24.50	30.70	FALSE
10/9/17 14:30	5.3	128	25.00	30.70	FALSE
10/9/17 14:45	5	116	26.00	30.70	FALSE
10/9/17 15:00	5.5	99	26.30	30.70	FALSE
10/9/17 15:15	4.6	102	26.90	30.70	FALSE
10/9/17 15:30	6	74	27.00	30.70	FALSE
10/9/17 15:45	6	83	26.90	30.70	FALSE
10/9/17 16:00	6.8	73	26.90	30.70	FALSE
10/9/17 16:15	6.4	86	26.80	30.70	FALSE
10/9/17 16:30	5.8	76	27.10	30.70	FALSE
10/9/17 16:45	6.3	66	26.80	30.70	FALSE
10/9/17 17:00	6	74	26.70	30.70	FALSE
10/9/17 17:15	5.7	71	26.90	30.70	FALSE
10/9/17 17:30	4.9	78	26.80	30.70	FALSE
10/9/17 17:45	4.6	85	26.90	30.70	FALSE
10/9/17 18:00	5.3	94	26.80	30.70	FALSE

10/9/17 18:15	4.6	76	26.60	30.70	FALSE
10/9/17 18:30	3.2	64	26.30	30.70	FALSE
10/9/17 18:45	3.1	43	26.10	30.70	FALSE
10/9/17 19:00	3.7	61	25.60	30.70	FALSE
10/9/17 19:15	2.6	24	25.20	30.70	FALSE
10/9/17 19:30	2.6	5	24.90	30.70	FALSE
10/9/17 19:45	2.9	350	24.70	30.70	FALSE
10/9/17 20:00	3.8	327	24.30	30.70	FALSE
10/9/17 20:15	2.5	33	24.00	30.70	FALSE
10/9/17 20:30	4.2	34	23.90	30.70	FALSE
10/9/17 20:45	4.2	81	24.30	30.80	FALSE
10/9/17 21:00	3.5	49	24.10	30.70	FALSE
10/9/17 21:15	3.7	86	23.60	30.70	FALSE
10/9/17 21:30	3.1	79	23.50	30.70	FALSE
10/9/17 21:45	2.2	52	23.20	30.80	FALSE
10/9/17 22:00	2.1	8	23.00	30.80	FALSE
10/9/17 22:15	2.9	15	23.00	30.70	FALSE
10/9/17 22:30	2.2	7	23.00	30.80	FALSE
10/9/17 22:45	2.5	28	22.80	30.70	FALSE
10/9/17 23:00	2.3	353	22.60	30.70	FALSE
10/9/17 23:15	2.8	356	22.40	30.70	FALSE
10/9/17 23:30	2.6	16	22.40	30.70	FALSE
10/9/17 23:45	3.5	342	22.30	30.80	FALSE
10/10/17 0:00	3.1	8	22.30	30.80	FALSE
10/10/17 0:15	3.4	346	22.30	30.70	FALSE
10/10/17 0:30	1.6	24	22.20	30.80	FALSE
10/10/17 0:45	6.3	127	22.00	30.80	FALSE
10/10/17 1:00	13.6	94	20.70	30.70	FALSE
10/10/17 1:15	10	115	20.90	30.80	FALSE
10/10/17 1:30	9.6	99	21.00	30.80	FALSE
10/10/17 1:45	6.4	97	20.40	30.70	FALSE
10/10/17 2:00	5.8	89	20.00	30.80	FALSE
10/10/17 2:15	5.9	110	19.90	30.80	FALSE
10/10/17 2:30	4.9	168	19.90	30.80	FALSE
10/10/17 2:45	3.5	157	20.00	30.80	FALSE
10/10/17 3:00	2	61	19.90	30.80	FALSE
10/10/17 3:15	4.5	25	19.70	30.80	FALSE
10/10/17 3:30	3.5	17	19.70	30.80	FALSE
10/10/17 3:45	3	83	19.70	30.80	FALSE
10/10/17 4:00	2.6	52	19.80	30.80	FALSE
10/10/17 4:15	2.6	43	19.90	30.80	FALSE
10/10/17 4:30	2.2	111	19.90	30.80	FALSE
10/10/17 4:45	4	65	20.10	30.80	FALSE
10/10/17 5:00	3.2	86	20.60	30.80	FALSE
10/10/17 5:15	4.9	81	20.90	30.80	FALSE
10/10/17 5:30	4.5	87	21.00	30.80	FALSE
10/10/17 5:45	3	55	21.00	30.80	FALSE

10/10/17 6:00	2.7	302	21.10	30.80	FALSE
10/10/17 6:15	4.2	347	21.10	30.80	FALSE
10/10/17 6:30	5	253	20.70	30.80	FALSE
10/10/17 6:45	3.2	54	20.40	30.80	FALSE
10/10/17 7:00	3.6	19	20.40	30.80	FALSE
10/10/17 7:15	3.1	32	20.40	30.80	FALSE
10/10/17 7:30	3.7	20	20.40	30.80	FALSE
10/10/17 7:45	4.2	26	20.50	30.80	FALSE
10/10/17 8:00	5.3	40	20.60	30.80	FALSE
10/10/17 8:15	4.1	32	20.80	30.80	FALSE
10/10/17 8:30	3.1	29	21.00	30.80	FALSE
10/10/17 8:45	4.3	35	21.00	30.80	FALSE
10/10/17 9:00	5.5	38	20.90	30.80	FALSE
10/10/17 9:15	4.6	38	20.90	30.80	FALSE
10/10/17 9:30	7	42	20.80	30.80	FALSE
10/10/17 9:45	5.7	56	20.90	30.80	FALSE
10/10/17 10:00	6.9	68	21.00	30.80	FALSE
10/10/17 10:15	8.2	78	21.10	30.80	FALSE
10/10/17 10:30	8	77	21.20	30.80	FALSE
10/10/17 10:45	9.2	74	21.40	30.80	FALSE
10/10/17 11:00	9.2	82	21.40	30.80	FALSE
10/10/17 11:15	8.5	83	21.60	30.80	FALSE
10/10/17 11:30	9.1	82	21.70	30.80	FALSE
10/10/17 11:45	8.7	90	21.80	30.80	FALSE
10/10/17 12:00	8.6	92	21.90	30.80	FALSE
10/10/17 12:15	7.7	108	22.00	30.80	FALSE
10/10/17 12:30	7.9	113	22.00	30.80	FALSE
10/10/17 12:45	5.6	118	22.20	30.80	FALSE
10/10/17 13:00	3.6	99	22.50	30.80	FALSE
10/10/17 13:15	3.2	358	22.40	30.80	FALSE
10/10/17 13:30	6.8	319	21.90	30.80	FALSE
10/10/17 13:45	5.6	313	21.20	30.80	FALSE
10/10/17 14:00	5.1	346	22.00	30.80	FALSE
10/10/17 14:15	6.2	47	22.50	30.80	FALSE
10/10/17 14:30	6	50	22.60	30.70	FALSE
10/10/17 14:45	5.7	74	23.00	30.70	FALSE
10/10/17 15:00	4	78	23.50	30.70	FALSE
10/10/17 15:15	4.7	45	23.40	30.70	FALSE
10/10/17 15:30	3	53	23.30	30.70	FALSE
10/10/17 15:45	1.5	290	23.40	30.70	FALSE
10/10/17 16:00	3.1	261	23.00	30.70	FALSE
10/10/17 16:15	3.7	306	22.90	30.70	FALSE
10/10/17 16:30	4.6	273	23.20	30.70	FALSE
10/10/17 16:45	4.2	260	23.10	30.70	FALSE
10/10/17 17:00	5.1	260	23.10	30.70	FALSE
10/10/17 17:15	4.5	273	23.30	30.70	FALSE
10/10/17 17:30	7.2	284	23.70	30.70	FALSE

10/10/17 17:45	6.8	255	23.30	30.70	FALSE
10/10/17 18:00	9.1	275	22.30	30.70	FALSE
10/10/17 18:15	11.2	256	21.00	30.80	FALSE
10/10/17 18:30	13.4	253	20.10	30.80	FALSE
10/10/17 18:45	15.9	249	18.50	30.80	FALSE
10/10/17 19:00	14.7	239	16.70	30.80	FALSE
10/10/17 19:15	13	229	15.80	30.80	FALSE
10/10/17 19:30	13	242	15.60	30.80	FALSE
10/10/17 19:45	13.5	234	15.00	30.80	FALSE
10/10/17 20:00	14	228	14.30	30.80	FALSE
10/10/17 20:15	11.7	235	14.10	30.80	FALSE
10/10/17 20:30	12.4	239	13.80	30.80	FALSE
10/10/17 20:45	13.2	247	13.50	30.80	FALSE
10/10/17 21:00	10.6	245	13.30	30.80	FALSE
10/10/17 21:15	11.3	235	13.00	30.80	FALSE
10/10/17 21:30	13.7	233	12.50	30.80	FALSE
10/10/17 21:45	13.6	237	12.20	30.80	FALSE
10/10/17 22:00	15.1	239	11.90	30.80	FALSE
10/10/17 22:15	15	243	11.60	30.80	FALSE
10/10/17 22:30	16	239	11.40	30.80	FALSE
10/10/17 22:45	14.1	247	11.20	30.80	FALSE
10/10/17 23:00	12.8	243	11.10	30.80	FALSE
10/10/17 23:15	15.3	237	10.90	30.80	FALSE
10/10/17 23:30	12	239	10.80	30.80	FALSE
10/10/17 23:45	12.8	239	10.80	30.80	FALSE
10/11/17 0:00	12.9	244	10.70	30.80	FALSE
10/11/17 0:15	11.8	234	10.70	30.80	FALSE
10/11/17 0:30	11.2	238	10.70	30.80	FALSE
10/11/17 0:45	11.8	238	10.70	30.80	FALSE
10/11/17 1:00	13.2	230	10.70	30.80	FALSE
10/11/17 1:15	11.9	232	10.70	30.80	FALSE
10/11/17 1:30	10.4	236	10.60	30.80	FALSE
10/11/17 1:45	11.8	235	10.60	30.80	FALSE
10/11/17 2:00	10.6	242	10.60	30.80	FALSE
10/11/17 2:15	10.7	243	10.70	30.80	FALSE
10/11/17 2:30	10.7	244	10.70	30.80	FALSE
10/11/17 2:45	12.8	242	10.80	30.80	FALSE
10/11/17 3:00	12.4	241	10.90	30.80	FALSE
10/11/17 3:15	11.7	241	11.00	30.80	FALSE
10/11/17 3:30	11.6	244	11.00	30.80	FALSE
10/11/17 3:45	12	239	11.00	30.80	FALSE
10/11/17 4:00	11.3	237	10.90	30.80	FALSE
10/11/17 4:15	10.7	247	10.80	30.80	FALSE
10/11/17 4:30	11.5	250	10.90	30.80	FALSE
10/11/17 4:45	9.1	235	10.70	30.80	FALSE
10/11/17 5:00	11.2	242	10.70	30.80	FALSE
10/11/17 5:15	11	241	10.80	30.80	FALSE

10/11/17 5:30	10.5	246	10.80	30.80	FALSE
10/11/17 5:45	11.6	243	10.70	30.80	FALSE
10/11/17 6:00	10.6	247	10.60	30.80	FALSE
10/11/17 6:15	12.5	249	10.60	30.80	FALSE
10/11/17 6:30	11.2	254	10.70	30.80	FALSE
10/11/17 6:45	10	256	10.70	30.80	FALSE
10/11/17 7:00	11.4	250	10.70	30.80	FALSE
10/11/17 7:15	10.7	244	10.60	30.80	FALSE
10/11/17 7:30	11	248	10.70	30.80	FALSE
10/11/17 7:45	9.8	244	10.70	30.80	FALSE
10/11/17 8:00	10	245	10.80	30.80	FALSE
10/11/17 8:15	9.5	247	10.90	30.80	FALSE
10/11/17 8:30	9.9	252	11.00	30.80	FALSE
10/11/17 8:45	9.4	252	11.10	30.80	FALSE
10/11/17 9:00	10.2	259	11.20	30.80	FALSE
10/11/17 9:15	11.2	254	11.30	30.80	FALSE
10/11/17 9:30	10.7	258	11.40	30.80	FALSE
10/11/17 9:45	11.8	259	11.40	30.80	FALSE
10/11/17 10:00	10.2	257	11.50	30.80	FALSE
10/11/17 10:15	10.6	251	11.60	30.80	FALSE
10/11/17 10:30	8.8	264	11.90	30.80	FALSE
10/11/17 10:45	10.9	255	11.90	30.80	FALSE
10/11/17 11:00	10.3	258	12.00	30.80	FALSE
10/11/17 11:15	8.9	272	12.10	30.80	FALSE
10/11/17 11:30	9.1	257	12.60	30.80	FALSE
10/11/17 11:45	9.8	268	12.70	30.80	FALSE
10/11/17 12:00	8.9	252	12.90	30.80	FALSE
10/11/17 12:15	9.1	260	12.80	30.80	FALSE
10/11/17 12:30	7.9	272	13.20	30.80	FALSE
10/11/17 12:45	9.2	263	13.00	30.80	FALSE
10/11/17 13:00	9.5	276	13.30	30.80	FALSE
10/11/17 13:15	9.2	284	13.40	30.80	FALSE
10/11/17 13:30	9.4	276	13.50	30.80	FALSE
10/11/17 13:45	9.4	270	13.40	30.80	FALSE
10/11/17 14:00	9.6	289	13.50	30.80	FALSE
10/11/17 14:15	8.3	281	13.70	30.80	FALSE
10/11/17 14:30	8.7	269	13.90	30.80	FALSE
10/11/17 14:45	8.5	274	13.90	30.80	FALSE
10/11/17 15:00	7.2	273	14.20	30.80	FALSE
10/11/17 15:15	7.4	264	14.40	30.80	FALSE
10/11/17 15:30	8.3	264	14.30	30.80	FALSE
10/11/17 15:45	7.3	263	14.40	30.80	FALSE
10/11/17 16:00	7.7	264	14.40	30.80	FALSE
10/11/17 16:15	7.3	271	14.40	30.80	FALSE
10/11/17 16:30	6	281	14.20	30.80	FALSE
10/11/17 16:45	5.6	291	14.40	30.80	FALSE
10/11/17 17:00	5.7	306	14.40	30.80	FALSE

10/11/17 17:15	6	314	14.30	30.80	FALSE
10/11/17 17:30	5.6	312	14.10	30.80	FALSE
10/11/17 17:45	4.9	313	14.10	30.80	FALSE
10/11/17 18:00	3.6	275	14.10	30.80	FALSE
10/11/17 18:15	4.4	244	14.10	30.80	FALSE
10/11/17 18:30	4.9	256	14.00	30.80	FALSE
10/11/17 18:45	5	285	13.90	30.80	FALSE
10/11/17 19:00	5.6	293	13.70	30.80	FALSE
10/11/17 19:15	5.7	290	13.40	30.80	FALSE
10/11/17 19:30	5.1	280	13.20	30.80	FALSE
10/11/17 19:45	4.7	281	13.00	30.80	FALSE
10/11/17 20:00	4.6	278	13.00	30.80	FALSE
10/11/17 20:15	4.7	282	12.90	30.80	FALSE
10/11/17 20:30	4.4	285	12.80	30.80	FALSE
10/11/17 20:45	4	283	12.80	30.80	FALSE
10/11/17 21:00	4.1	265	12.90	30.80	FALSE
10/11/17 21:15	5.1	268	12.80	30.90	FALSE
10/11/17 21:30	4.7	277	12.70	30.80	FALSE
10/11/17 21:45	3.7	276	12.70	30.90	FALSE
10/11/17 22:00	3.8	245	12.80	30.90	FALSE
10/11/17 22:15	4.1	242	12.70	30.90	FALSE
10/11/17 22:30	4	248	12.70	30.90	FALSE
10/11/17 22:45	4	264	12.80	30.80	FALSE
10/11/17 23:00	3.3	260	12.70	30.80	FALSE
10/11/17 23:15	3.6	283	12.70	30.80	FALSE
10/11/17 23:30	3.9	279	12.60	30.80	FALSE
10/11/17 23:45	4.5	273	12.60	30.80	FALSE
10/12/17 0:00	3.7	267	12.70	30.80	FALSE
10/12/17 0:15	4.3	283	12.60	30.80	FALSE
10/12/17 0:30	4.4	289	12.60	30.80	FALSE
10/12/17 0:45	3.6	278	12.50	30.80	FALSE
10/12/17 1:00	3.2	274	12.60	30.80	FALSE
10/12/17 1:15	3.4	280	12.60	30.80	FALSE
10/12/17 1:30	3.5	279	12.50	30.80	FALSE
10/12/17 1:45	3.8	253	12.40	30.80	FALSE
10/12/17 2:00	3.1	263	12.40	30.80	FALSE
10/12/17 2:15	3.1	241	12.50	30.80	FALSE
10/12/17 2:30	3.3	247	12.50	30.80	FALSE
10/12/17 2:45	3.3	262	12.60	30.80	FALSE
10/12/17 3:00	3.2	265	12.70	30.80	FALSE
10/12/17 3:15	2.8	271	12.70	30.80	FALSE
10/12/17 3:30	2.9	273	12.70	30.80	FALSE
10/12/17 3:45	3.1	276	12.70	30.80	FALSE
10/12/17 4:00	2.9	279	12.70	30.80	FALSE
10/12/17 4:15	2.8	253	12.70	30.80	FALSE
10/12/17 4:30	2.6	261	12.80	30.80	FALSE
10/12/17 4:45	1.8	270	12.80	30.80	FALSE

10/12/17 5:00	2.2	300	12.80	30.80	FALSE
10/12/17 5:15	2.7	277	12.80	30.80	FALSE
10/12/17 5:30	2.9	267	12.70	30.80	FALSE
10/12/17 5:45	1.8	281	12.80	30.80	FALSE
10/12/17 6:00	1.8	280	12.90	30.80	FALSE
10/12/17 6:15	2	275	12.90	30.90	FALSE
10/12/17 6:30	1.7	281	13.00	30.90	FALSE
10/12/17 6:45	2.5	282	13.00	30.80	FALSE
10/12/17 7:00	1.4	222	13.00	30.80	FALSE
10/12/17 7:15	1.6	287	13.10	30.90	FALSE
10/12/17 7:30	2.5	269	13.00	30.90	FALSE
10/12/17 7:45	2.8	265	12.90	30.90	FALSE
10/12/17 8:00	3.4	223	12.90	30.90	FALSE
10/12/17 8:15	2.7	240	13.00	30.90	FALSE
10/12/17 8:30	3	229	13.10	30.90	FALSE
10/12/17 8:45	2.9	226	13.20	30.90	FALSE
10/12/17 9:00	3.5	225	13.20	30.90	FALSE
10/12/17 9:15	3.3	204	13.20	30.90	FALSE
10/12/17 9:30	4.4	198	13.20	30.90	FALSE
10/12/17 9:45	5.2	198	13.10	30.90	FALSE
10/12/17 10:00	5	192	13.00	30.90	FALSE
10/12/17 10:15	4.6	206	12.90	30.90	FALSE
10/12/17 10:30	4.7	201	13.00	30.90	FALSE
10/12/17 10:45	4.1	204	13.10	30.90	FALSE
10/12/17 11:00	3.5	210	13.30	30.90	FALSE
10/12/17 11:15	3.4	210	13.40	30.90	FALSE
10/12/17 11:30	4.6	199	13.40	30.90	FALSE
10/12/17 11:45	5.1	189	13.60	30.90	FALSE
10/12/17 12:00	6.6	200	13.80	30.90	FALSE
10/12/17 12:15	5.2	175	13.90	30.90	FALSE
10/12/17 12:30	6.1	180	14.10	30.90	FALSE
10/12/17 12:45	5.5	181	14.00	30.90	FALSE
10/12/17 13:00	6.3	187	14.20	30.80	FALSE
10/12/17 13:15	5.6	184	14.50	30.80	FALSE
10/12/17 13:30	4.8	165	14.60	30.80	FALSE
10/12/17 13:45	5	154	14.90	30.80	FALSE
10/12/17 14:00	4.6	156	15.10	30.80	FALSE
10/12/17 14:15	4.5	142	15.10	30.80	FALSE
10/12/17 14:30	6.4	164	15.00	30.80	FALSE
10/12/17 14:45	5	143	15.10	30.80	FALSE
10/12/17 15:00	4.9	139	15.30	30.80	FALSE
10/12/17 15:15	3.6	104	15.60	30.80	FALSE
10/12/17 15:30	4.4	136	15.70	30.80	FALSE
10/12/17 15:45	3.2	94	16.00	30.80	FALSE
10/12/17 16:00	4.5	143	16.00	30.80	FALSE
10/12/17 16:15	4.9	177	15.90	30.80	FALSE
10/12/17 16:30	4.2	116	15.90	30.80	FALSE

10/12/17 16:45	4.2	114	15.90	30.80	FALSE
10/12/17 17:00	3.6	145	16.20	30.80	FALSE
10/12/17 17:15	3.6	96	16.60	30.80	FALSE
10/12/17 17:30	4.3	116	16.40	30.80	FALSE
10/12/17 17:45	5.8	81	16.60	30.80	FALSE
10/12/17 18:00	6.9	85	16.10	30.80	FALSE
10/12/17 18:15	6.4	85	15.40	30.80	FALSE
10/12/17 18:30	4.6	92	15.20	30.80	FALSE
10/12/17 18:45	3.4	89	15.00	30.80	FALSE
10/12/17 19:00	3.8	85	14.70	30.80	FALSE
10/12/17 19:15	3	76	14.40	30.80	FALSE
10/12/17 19:30	3.3	77	14.10	30.80	FALSE
10/12/17 19:45	3.9	77	14.00	30.80	FALSE
10/12/17 20:00	3.6	73	13.80	30.80	FALSE
10/12/17 20:15	3.3	76	13.70	30.80	FALSE
10/12/17 20:30	2.6	87	13.50	30.80	FALSE
10/12/17 20:45	3.2	100	13.70	30.80	FALSE
10/12/17 21:00	3.4	103	13.70	30.80	FALSE
10/12/17 21:15	3.8	107	13.70	30.80	FALSE
10/12/17 21:30	3.7	105	13.70	30.80	FALSE
10/12/17 21:45	3.4	103	13.70	30.80	FALSE
10/12/17 22:00	3.7	106	13.80	30.80	FALSE
10/12/17 22:15	5.6	115	14.00	30.80	FALSE
10/12/17 22:30	5.8	118	14.10	30.80	FALSE
10/12/17 22:45	4.8	124	14.00	30.80	FALSE
10/12/17 23:00	5.3	125	14.00	30.80	FALSE
10/12/17 23:15	5.1	129	13.90	30.80	FALSE
10/12/17 23:30	5.2	130	13.80	30.80	FALSE
10/12/17 23:45	6.6	127	13.80	30.80	FALSE
10/13/17 0:00	5.7	127	13.70	30.80	FALSE
10/13/17 0:15	4.7	132	13.70	30.80	FALSE
10/13/17 0:30	5	138	13.60	30.80	FALSE
10/13/17 0:45	5.5	145	13.60	30.80	FALSE
10/13/17 1:00	6	135	13.70	30.80	FALSE
10/13/17 1:15	4.9	128	13.60	30.80	FALSE
10/13/17 1:30	4.6	130	13.50	30.80	FALSE
10/13/17 1:45	4.8	136	13.40	30.80	FALSE
10/13/17 2:00	5.3	138	13.40	30.80	FALSE
10/13/17 2:15	6.2	142	13.30	30.80	FALSE
10/13/17 2:30	5.5	144	13.30	30.80	FALSE
10/13/17 2:45	4.8	141	13.20	30.80	FALSE
10/13/17 3:00	5.8	141	13.20	30.80	FALSE
10/13/17 3:15	5.2	139	13.10	30.80	FALSE
10/13/17 3:30	5.7	141	13.00	30.80	FALSE
10/13/17 3:45	4.9	147	12.90	30.80	FALSE
10/13/17 4:00	4.9	140	12.90	30.80	FALSE
10/13/17 4:15	5.1	143	12.90	30.80	FALSE



10/13/17 4:30	4.2	140	12.90	30.80	FALSE
10/13/17 4:45	4.5	137	13.00	30.80	FALSE
10/13/17 5:00	4.1	135	13.00	30.80	FALSE
10/13/17 5:15	3.4	127	12.90	30.80	FALSE
10/13/17 5:30	3.9	128	12.80	30.80	FALSE
10/13/17 5:45	3.7	130	12.80	30.80	FALSE
10/13/17 6:00	4.7	125	12.80	30.80	FALSE
10/13/17 6:15	5.1	123	12.90	30.80	FALSE
10/13/17 6:30	4.2	122	13.00	30.80	FALSE
10/13/17 6:45	4.1	123	13.00	30.80	FALSE
10/13/17 7:00	4.3	116	13.20	30.80	FALSE
10/13/17 7:15	4.1	121	13.30	30.80	FALSE
10/13/17 7:30	4.2	133	13.30	30.80	FALSE
10/13/17 7:45	4.4	132	13.30	30.80	FALSE
10/13/17 8:00	4.7	120	13.30	30.80	FALSE
10/13/17 8:15	4.7	121	13.40	30.80	FALSE
10/13/17 8:30	5.1	121	13.80	30.80	FALSE
10/13/17 8:45	4.9	124	13.90	30.80	FALSE
10/13/17 9:00	5.1	131	14.20	30.80	FALSE
10/13/17 9:15	5.9	126	14.50	30.80	FALSE
10/13/17 9:30	5.3	133	14.70	30.80	FALSE
10/13/17 9:45	5.2	126	15.10	30.80	FALSE
10/13/17 10:00	5.1	121	15.20	30.80	FALSE
10/13/17 10:15	6	134	15.50	30.80	FALSE
10/13/17 10:30	6.4	119	15.70	30.80	FALSE
10/13/17 10:45	5.8	120	16.20	30.80	FALSE
10/13/17 11:00	5.2	115	16.00	30.80	FALSE
10/13/17 11:15	5.5	117	16.10	30.80	FALSE
10/13/17 11:30	4.6	119	16.40	30.80	FALSE
10/13/17 11:45	5.4	116	16.60	30.80	FALSE
10/13/17 12:00	5.6	118	16.90	30.80	FALSE
10/13/17 12:15	7.6	119	17.20	30.80	FALSE
10/13/17 12:30	7.1	122	18.00	30.80	FALSE
10/13/17 12:45	6	121	18.60	30.80	FALSE
10/13/17 13:00	6.7	126	18.90	30.80	FALSE
10/13/17 13:15	6.8	121	19.40	30.80	FALSE
10/13/17 13:30	6.9	119	19.90	30.80	FALSE
10/13/17 13:45	6.9	120	20.40	30.80	FALSE
10/13/17 14:00	6.6	117	21.10	30.80	FALSE
10/13/17 14:15	6.5	118	21.80	30.80	FALSE
10/13/17 14:30	7	113	22.10	30.80	FALSE
10/13/17 14:45	6.8	112	22.60	30.80	FALSE
10/13/17 15:00	6.7	120	23.20	30.80	FALSE
10/13/17 15:15	7.1	129	23.40	30.80	FALSE
10/13/17 15:30	5.8	124	23.90	30.80	FALSE
10/13/17 15:45	8	134	23.90	30.80	FALSE
10/13/17 16:00	7	121	23.90	30.80	FALSE

10/13/17 16:15	6.6	126	24.40	30.80	FALSE
10/13/17 16:30	7.1	115	24.50	30.80	FALSE
10/13/17 16:45	7.2	120	24.60	30.80	FALSE
10/13/17 17:00	6.5	123	25.00	30.80	FALSE
10/13/17 17:15	7.6	116	25.10	30.80	FALSE
10/13/17 17:30	8.2	112	25.00	30.80	FALSE
10/13/17 17:45	7.3	114	25.10	30.80	FALSE
10/13/17 18:00	8.3	118	25.10	30.80	FALSE
10/13/17 18:15	8.4	120	25.00	30.80	FALSE
10/13/17 18:30	8.1	120	24.90	30.80	FALSE
10/13/17 18:45	7.5	120	24.70	30.80	FALSE
10/13/17 19:00	7.5	119	24.50	30.80	FALSE
10/13/17 19:15	7.1	120	24.30	30.80	FALSE
10/13/17 19:30	8.3	121	24.20	30.80	FALSE
10/13/17 19:45	8.8	124	24.00	30.80	FALSE
10/13/17 20:00	8.7	125	23.80	30.80	FALSE
10/13/17 20:15	7.7	128	23.50	30.80	FALSE
10/13/17 20:30	7.3	134	23.30	30.80	FALSE
10/13/17 20:45	8.4	135	23.10	30.80	FALSE
10/13/17 21:00	8.6	135	23.00	30.80	FALSE
10/13/17 21:15	9.3	138	22.90	30.80	FALSE
10/13/17 21:30	10.4	140	23.00	30.80	FALSE
10/13/17 21:45	9.5	143	22.90	30.80	FALSE
10/13/17 22:00	8.5	144	22.80	30.80	FALSE
10/13/17 22:15	8.7	151	22.70	30.80	FALSE
10/13/17 22:30	8.7	154	22.60	30.80	FALSE
10/13/17 22:45	7.9	154	22.40	30.80	FALSE
10/13/17 23:00	7.4	153	22.10	30.80	FALSE
10/13/17 23:15	6.5	156	21.80	30.80	FALSE
10/13/17 23:30	6.3	154	21.60	30.80	FALSE
10/13/17 23:45	6.6	154	21.40	30.80	FALSE

# **APPENDIX H**

## **AUXIER AND ASSOCIATES PROCEDURES**

## **PROCEDURE 5.1**

### **CALIBRATION PROCEDURE FOR PM 2.5 AIR MONITORING**

#### **1.0 PURPOSE**

1.1 To describe the procedures for calibrating, checking and adjusting the flow of the Mass Flow Controllers (MFC) of high volume samplers used to perform PM 2.5 monitoring. PM10 and PM2.5 monitoring samples the airborne fraction of particles that can be inhaled into the respiratory system, i.e., particles of aerodynamic diameter less than 10 micrometers ( $\mu\text{m}$ ). Atmospheric particles commonly occur in two distinct modes: the fine ( $< 2.5 \mu\text{m}$ ) mode and the coarse (2.5-10.0  $\mu\text{m}$ ) mode. The fine or accumulation mode (also termed the respirable particulate matter) is attributed to growth of particles from the gas phase and subsequent agglomeration, while the coarse mode is made of mechanically abraded or ground particles.

#### **2.0 RESPONSIBILITY**

2.1 The Project Manager and Site Coordinator are responsible for assuring that this procedure is implemented.

2.2 Survey team personnel are responsible for following this procedure.

**NOTE: Do not attempt to perform calibration or flow check of samplers under windy conditions. Short-term wind velocity fluctuations will produce variable pressure readings by the orifice transfer standard's manometer. The measurement will be less precise because of the pressure variations.**

#### **3.0 CALIBRATION PROCEDURE**

##### **3.1 Summary**

During calibration, a certified calibration orifice using 5 different plates (18, 13, 10, 7, and 5) that simulate dust loading on the filter is connected to the inlet of the sampler. The pressure drop across the orifice as measured by a manometer ( $\Delta H_2O$ ) is converted to a flowrate ( $Q_a$ ) in cubic meters per minute (cmm) using the slope and intercept of the orifice calibration curve and corrected to the temperature and pressure at the time of calibration. The flowrate as measured by the sampler's rotometer in cubic feet per minute (cfm) is recorded and corrected to the temperature and pressure at the time of calibration (IC).  $Q_a$  in cfm and IC are used to generate a calibration curve. The slope and intercept of the calibration curve are used when performing quality control (QC) checks of the system. The correlation coefficient of the curve is used to ensure that the relationship between the 5 calibration points is sufficiently linear. Monthly average temperature and barometric pressure values are used to establish the sampler set points.

**NOTE:** EPA guidelines require 5 readings in the range of 32-46 cfm, with at least three readings in the 36-44 cfm range. #8-32 x1/2 standard pan or round head machine screws and nuts may be used to block (close) any number of holes on any of the resistance plates to obtain readings in the desired resistance range.

- 3.2 Frequency
  - 3.2.1 Every 6 months;
  - 3.2.2 After any repairs that might affect sampler calibration (e.g., replacing the motor);
  - 3.2.3 If the results of a field flow-check exceed quality control limits (e.g., greater than  $\pm 7\%$  from the sampler's indicated flow rate); or
  - 3.2.4 Whenever a field flow-check or performance audit indicates that the sampler is out (or nearly out) of the acceptable flow-rate range.
- 3.3 Equipment and Materials
  - 3.3.1 Orifice transfer standard with calibration traceable to NIST
  - 3.3.2 Orifice standard Certificate of Conformance
  - 3.3.3 A water or oil manometer, with a 0-400 mm (0-16") range and a minimum scale division of 2 mm (0.1").
  - 3.3.4 PM 2.5 Calibration Form
  - 3.3.5 Temperature and barometric pressure at the time of calibration.
  - 3.3.6 Average temperature in Celsius and average pressure in in. Hg for either the month in which the calibration takes place, or the month during which sampling will take place, as most appropriate.
- 3.4 Pre-Calibration
  - 3.4.1 Using the PM 2.5 Calibration Form, record:
    - 3.4.1.1 The project name, location, date, and operator name.
    - 3.4.1.2 Sampler Model, MFC serial number, calibrator Orifice Serial No.
    - 3.4.1.3 The barometric pressure in in. Hg and ambient temperature in Celsius and at the time of the calibration. The electronic spreadsheet will then calculate the barometric pressure in mm Hg and the temperature in Kelvin.
    - 3.4.1.4 The average monthly average monthly barometric pressure in in. Hg and the temperature in Celsius, for the month in which the calibration is taking place. The electronic spreadsheet will then automatically calculate the barometric pressure in mm Hg and the temperature in Kelvin.

### Average Monthly Temperature and Pressure

Month	Air Temp	Air Temp	Stn Pres
	(F)	(C)	(in)
January	28	-2	29
February	28	-2	29
March	43	9	29
April	58	15	29
May	69	21	29
June	78	25	29
July	77	25	29
August	80	26	29
September	70	21	29
October	59	15	29
November	41	5	29
December	39	4	29

3.4.1.5 The “Orifice Calibration Curve relationship” (slope, intercept and correlation coefficient) values, which are found in the Certificate of Conformance. These values are tabulated on page 2 of the Certificate of NIST Traceable Calibration. Use the slope, intercept and correlation coefficient associate with the  $Q_{actual}$  ( $Q_a$ ) values for PM 2.5 sampling. Do not use the  $Q_{std}$  values.

### 3.5 Rotometer Calibration

This calibration occurs during instrument set-up, and should be checked at each calibration.

- 3.5.1 Using the “Orifice Calibration Curve” slope and intercept, calculate the inches of water,  $\Delta H$ , which correlates to 40 CFM.
- 3.5.2 Assemble the manometer according to manufacturer instructions.
- 3.5.3 Install the 8X10 adapter with the plate that is closest to providing 40 CFM as calculated in step 3.5.1 and through trial and error measurements of the various plates, i.e., install the plate that results in the water displacement as calculated in 3.5.1.
- 3.5.4 Operate the system for at least 5 minutes at normal line voltage to equilibrate the Rotometer.
- 3.5.5 If necessary, adjust the Rotometer so the top of the red float reads 40 CFM (1.13 cmm) by GENTLY loosening the lock nut, adjusting the rotometer with small adjustments, and GENTLY tightening the lock nut.

### 3.6 Calibration Data Collection

- 3.6.1 Carefully remove the probe containing the anemometer wire. Unscrew the metal clamp and carefully remove the probe. Put the rubber tip on for safety.

**WARNING: Always carefully handle the probe tip of the MFC. It is a sensitive hot wire anemometer probe.**

**WARNING: Ensure that there is no filter in the filter holder**

- 3.6.2 Mount the 8X10 Adapter Plate (AD 810) supplied with the Calibration Kit to the 8X10 Filter Holder Assembly. Make certain that the Adapter Plate is firmly tightened onto the Filter Holder Assembly so that the sponge rubber is squeezed. (Finger-tight then ½ additional turn with screwdriver, plier, etc). This will ensure there are no air leaks. Check all gaskets and replace any questionable ones.
- 3.6.3 Mount the calibration orifice tank with the No. 18 resistance plate in place on the sampler.
- 3.6.4 Perform a leak check.

**WARNING: Never run the motor for greater than 30 seconds with the orifice blocked to avoid overheating.**

**WARNING: Never try this leak test procedure with a manometer connected to the side tap on the calibration orifice or the blower motor. Liquid from the manometer could be drawn into the system and cause motor damage.**

- 3.6.4.1 Turn on the sampler.
- 3.6.4.2 Cover the hole on top of the orifice and the pressure tap with your hands.
- 3.6.4.3 Listen for a high-pitched squealing sound made by escaping air. If this sound is heard, a leak is present and the top loading adapter hold-down nuts need to be re-tightened. All leaks must be eliminated before proceeding with the calibration. When the system is determined to be leak-free, turn off the sampler.
- 3.6.5 Assemble the manometer according to manufacturer instructions (attached).
- 3.6.6 Inspect the connecting tubing of the manometer for crimps or cracks.
- 3.6.7 Connect one leg of the water manometer to the pressure tap of the calibration orifice using the length of rubber tubing. Leave the other side of the manometer open to atmosphere. Both valves on the manometer have to be open for the liquid to flow freely. To read the manometer, sum the displacement of the liquid (one side goes up, one side goes down) on both sides of the manometer. The manometer must be held or mounted vertically to insure accurate readings.
- 3.6.8 Turn the air sampler on and after five minutes to allow stabilization, record the water manometer reading in the “Total in. H<sub>2</sub>O” column, and the rotometer reading in the “I” column of the PM 2.5 Calibration Form.

- 3.6.9 Repeat steps 3.5.4 – 3.5.8 for the remaining resistance plates (13, 10, 7 and 5).
- 3.6.10 Turn the sampler off and remove the orifice tank.
- 3.6.11 Reinstall the anemometer probe, being sure to rotate the probe such that the scribed axial line is “up” (facing flow).
- 3.7 Calculate Calibration Linear Regression
  - 3.7.1 As the  $\Delta H$  and I columns are populated, the electronic version of the PM 2.5 calibration form will automatically calculate the slope (mhv), intercept (bhv) and correlation coefficient (rhv) for the calibration data points.

A five-point calibration should yield a regression equation with a correlation coefficient of  $rhv > 0.990$ . All five calibration points should be in the 32 to 46 cfm range, and at least three of the calibration points should be within the acceptable operation limits of 36 to 44 cfm. If all conditions are not met, confer with the Project Manager to determine course of action. A graph is presented at the bottom of the spreadsheet which may show which data points are not sufficiently linear, and need to be re-measured.

This data is used only to assess the calibration points to see if any should be rerun. It is not used for subsequent data reduction. Average values for temperature and pressure during sampling periods are used for data reduction.
- 3.8 Calculate the Sampler Flow Rate (SFR) and Sampler Set Point (SSP)
  - 3.8.1 The electronic version of the PM2.5 calibration form will automatically calculate the SFR and the SSP.
- 3.9 Adjust the MFC to agree with the SSP.
  - 3.9.1 Load the sampler with a Micro-Quartz filter.
  - 3.9.2 Turn on the sampler and allow it to warm up to normal operating conditions.

**WARNING: No one should adjust or change the rotometer screws or MFC potentiometer set screw without proper training. Do not turn the potentiometer more than a few degrees at a time. Improper adjustments can result in compromise of data, test time, and equipment damage.**

**NOTE: All rotometer readings will be taken by reading the position of the TOP of the red/black float-looking at eye level.**
  - 3.9.3 Adjust the MFC set screw (turning potentiometer) until the flow/pressure recorder reads the SSP flow rate by GENTLY loosening the lock nut, adjusting the potentiometer with small adjustments, and GENTLY tightening the lock nut.



- 3.9.4 The sampler should now be sampling at the flow rate, corrected to average monthly meteorological conditions, which will result in the designated flow rate of 40 CFM.

#### 4.0 Equations

##### 4.1 Calibration Equations

- 4.1.1 Calculate the flow rate through the orifice tank during calibration ( $Q_a$ ) using the following equation.

$$Q_a = \frac{1}{m} * \sqrt{(\Delta H_2O) \frac{T_{cal}}{P_{cal}}} - b$$

Where:

$Q_a$  = actual volumetric flow rate through the transfer standard orifice,  
m<sup>3</sup>/min

$\Delta H_2O$  = pressure drop across the orifice, in inches of H<sub>2</sub>O as measured by  
the manometer

$T_{cal}$  = ambient temperature during calibration, K (K = °C + 273)

$P_{cal}$  = ambient barometric pressure during calibration, mm Hg

$b$  = intercept of the orifice calibration relationship

$m$  = slope of the orifice calibration relationship

- 4.1.2 Convert  $Q_a$  to cfm.

$$Q_a (cfm) = Q_a (cmm) * 35.31 \frac{cfm}{cmm}$$

- 4.1.3 Correct the rotometer response to actual conditions for each test calibration point using the following equation.

$$IC = I \sqrt{\frac{T_{cal}}{P_{cal}}}$$

Where:

IC = transformed Rotometer readings

I = Rotometer readings

- 4.1.4 Calculating the set points

- 4.1.4.1 Calculate and record the sampler adjusted set point flow rate (SFR) in cfm.

$$SFR = 40 \left( \left( \frac{P_m}{P_{cal}} \right) \left( \frac{T_{cal}}{T_m} \right) \right)$$

Where:

SFR = sampler's monthly adjusted set point flow rate, ccm

40 = designed sampling flow rate of PM 2.5 samplers in cfm

$P_m$  = monthly average barometric pressure, mm Hg

$P_{cal}$  = actual ambient barometric pressure during calibration, mm Hg

$T_m$  = monthly average temperature, K

$T_{cal}$  = actual ambient temperature during calibration, K

1.1.1.1 Calculate and record the sampler adjusted set point (SSP) in cfm.

$$SSP = (mhv * SFR + bhv) \left( \sqrt{\frac{P_{cal}}{T_{cal}}} \right)$$

Where :

SSP = sampler set point

mhv = slope of sampler from hi vol calibration

SFR = sampler's monthly adjusted set point flow rate

bhv = intercept of sampler from hi vol calibration

$P_{cal}$  = actual ambient barometric pressure during calibration, mm Hg

$T_{cal}$  = actual ambient temperature during calibration, K

The SSP is the design operating flow rate of the PM 2.5 High Volume Sampler of 40 cfm, corrected to the current ambient temperature and barometric pressure.

## **PROCEDURE 5.2**

### **ONE POINT FLOW AUDIT FOR PM 2.5 AIR MONITORING**

#### **1.0 ONE POINT FLOW AUDIT**

##### **1.1 Summary**

During the check, with a filter in place, the orifice (without the restrictive plates) is mounted to the sampler inlet. The pressure drop across the orifice as measured by a manometer in mm Hg is converted to a flow rate in cmm using the slope and intercept of the orifice calibration curve and corrected to the temperature and pressure at the time of the check ( $Q_{aofa}$ ). The sampler flow rate in cfm is converted to actual conditions using the slope and intercept of the hi-volume calibration curve and corrected to the temperature and pressure at the time of the check ( $Q_{ahvfa}$ ). The orifice is then removed and the flow rate is measured under normal conditions. The percent difference and corrected flow rate is then calculated and compared to control limits. The sampler set point is then determined for the next sampling period.

##### **1.2 Frequency**

1.2.1 The QC flow check should be performed at least monthly.

##### **1.3 Equipment and Materials**

1.3.1 Orifice transfer standard with calibration traceable to NIST.

1.3.2 Orifice standard Certificate of Conformance

1.3.3 A water or oil manometer, with a 0-400 mm (0-16") range and a minimum scale division of 2 mm (0.1").

1.3.4 Latest PM 2.5 Calibration forms and information.

1.3.5 One Point Flow Audit Form.

1.3.6 Temperature and barometric pressure at the time of the flow check.

##### **1.4 Pre-Check**

1.4.1 On the One Point Flow Check Form, record:

1.4.1.1 The project name, location, date, and operator name.

1.4.1.2 Instrument information:

1.4.1.2.1 PM 2.5 inlet

1.4.1.2.2 MFC serial number

1.4.1.2.3 Calibrator Orifice Serial No.

1.4.1.3 The barometric pressure in in. Hg and the ambient temperature in Celsius and at the time of the calibration. The electronic spreadsheet will then calculate the barometric pressure in mm Hg and the temperature in Kelvin.

- 1.4.1.4 The average monthly barometric pressure in in. Hg and the average monthly temperature in Celsius for the next sampling period. The electronic spreadsheet will then automatically calculate the barometric pressure in mm Hg and the temperature in Kelvin. These are the values required to calculate the sampler flow rate (SFR) and sampler set point (SSP).

Average Monthly Temperature and Pressure

Month	Air Temp	Air Temp	Stn Pres
	(F)	(C)	(in)
January	28	-2	29
February	28	-2	29
March	43	9	29
April	58	15	29
May	69	21	29
June	78	25	29
July	77	25	29
August	80	26	29
September	70	21	29
October	59	15	29
November	41	5	29
December	39	4	29

- 1.4.1.5 The “Orifice Calibration Curve relationship” (slope, intercept and correlation coefficient) values, which are found in the Certificate of Conformance. These values are tabulated on the third sheet of the Certificate of Conformance (Sheet 2 of 5). Use the slope, intercept and correlation coefficient associate with the Q actual ( $Q_a$ ) values for PM 2.5 sampling. Do not use the  $Q_{std}$  values.

1.5 Data Collection

- 1.5.1 Place a clean quartz filter into the 8X10 filter holder.
- 1.5.2 Mount the 8X10 Adapter Plate supplied with the Calibration Kit to the 8X10 Filter Holder Assembly. Make certain that the Adapter Plate is firmly tightened onto the Filter Holder Assembly so that the sponge rubber is squeezed. (Finger-tight then ½ additional turn with screwdriver, plier, etc). This will ensure there are no air leaks. Check all gaskets and replace any questionable ones.
- 1.5.3 Mount the same calibration orifice tank that was used to calibrate the sampler, but do not use the resistance plates.
- 1.5.4 Perform a leak check.

**WARNING: Never run the motor for greater than 30 seconds with the orifice blocked to avoid overheating.**

**WARNING: Never try this leak test procedure with a manometer connected to the side tap on the calibration orifice or the blower motor. Liquid from the manometer could be drawn into the system and cause motor damage.**

- 1.5.4.1 Turn on the sampler.
- 1.5.4.2 Cover the hole on top of the orifice and the pressure tap with your hands.
- 1.5.4.3 Listen for a high-pitched squealing sound made by escaping air. If this sound is heard, a leak is present and the top loading adapter hold-down nuts need to be re-tightened. All leaks must be eliminated before proceeding with the check. When the system is determined to be leak-free, turn off the sampler.
- 1.5.5 Assemble the manometer according to manufacturer instructions (attached).
- 1.5.6 Inspect the connecting tubing of the manometer for crimps or cracks.
- 1.5.7 Connect one leg of the water manometer to the pressure tap of the calibration orifice using the length of rubber tubing. Leave the other side of the manometer open to atmosphere. Both valves on the manometer have to be open for the liquid to flow freely. To read the manometer, sum the displacement of the liquid (one side goes up, one side goes down) on both sides of the manometer. The manometer must be held or mounted vertically to insure accurate readings.
- 1.5.8 Turn the air sampler on and after five minutes to allow stabilization, record the water manometer reading in the "Total in. H<sub>2</sub>O" column, and the rotometer reading in the "Ifa" column of the PM 2.5 One Point Flow Audit Form.
- 1.5.9 Turn the sampler off, remove the Calibration Orifice tank, and leave the filter in place.
- 1.5.10 Turn the sampler on and record the rotometer reading in the "Iwocofa" column of the One Point Flow Audit form.
- 1.5.11 Turn the sampler off.
- 1.5.12 The electronic version of the One Point Audit Form will automatically calculate the percent difference and the corrected flow rate. If the percent difference is greater than 7% the sampler fails the check and must be recalibrated. If the corrected flow rate is less than 36 or greater than 44 the sampler fails the check and must be recalibrated.
- 1.6 Calculate the SFR and SSP for the next sampling period
  - 1.6.1 The electronic version of the One Point Flow Audit Form will automatically calculate the SFR and the SSP.
- 1.7 Adjust the MFC to agree with the SSP.

- 1.7.1 Turn on the sampler and allow it to warm up to normal operating conditions.

**WARNING: No one should adjust or change the rotometer screws or MFC potentiometer set screw without proper training. Do not turn the potentiometer more than a few degrees at a time. Improper adjustments can result in compromise of data, test time, and equipment damage.**

**NOTE: All rotometer readings will be taken by reading the position of the TOP of the red/black float-looking at eye level.**

- 1.7.2 Adjust the MFC set screw (turning potentiometer) until the flow/pressure recorder reads the SSP flow rate by GENTLY loosening the lock nut, adjusting the potentiometer with small adjustments, and GENTLY tightening the lock nut.
- 1.7.3 The sampler should now be sampling at the designed flow rate of 40 cfm corrected to current meteorological conditions.

#### 1.8 One Check Flow Audit Equations

- 1.8.1 Calculate the flow through the orifice at ambient temperature and pressure at the time of the check in cfm.

$$Q_{aofa} = \left( \frac{1}{m} * \sqrt{\Delta H_2O * \frac{T_{chk}}{P_{chk}} - b} \right) * \frac{cfm}{cmm}$$

Where:

$Q_{aofa}$  = actual volumetric flow rate as indicated by the transfer standard orifice, m<sup>3</sup>/min at ambient temperature and pressure at the time of the check

$\Delta H_2O$  = pressure drop across the orifice, in. H<sub>2</sub>O as measured by the manometer

$T_{chk}$  = ambient temperature during the check, K (K = °C + 273)

$P_{chk}$  = ambient barometric pressure during the check, mm Hg

b = intercept of the orifice calibration relationship

m = slope of the orifice calibration relationship

$$\frac{cfm}{cmm} = 35.31$$

- 1.8.2 Calculate the flow through the MFC at ambient temperature and pressure at the time of the check.

$$Q_{ahvaf} = \frac{1}{mhv} * \sqrt{I_f * \frac{T_{chk}}{P_{chk}} - bhv}$$

Where:

$Q_{ahvaf}$  = actual volumetric flow rate as indicated by the rotometer, m<sup>3</sup>/min at ambient temperature and pressure at the time of the check

$\Delta H_2O$  = pressure drop across the orifice, in. H<sub>2</sub>O as measured by the manometer.

$T_{chk}$  = ambient temperature during the check, K ( $K = ^\circ C + 273$ ).

$P_{chk}$  = ambient barometric pressure during the check, mm Hg.

bhv = intercept of the MFC calibration relationship.

mhv = slope of the MFC calibration relationship.

- 1.8.3 Calculate the % difference between the  $Q_{aofa}$  and the  $Q_{ahvfa}$ .

$$\% Diff = \frac{Q_{ahvfa} - Q_{aofa}}{Q_{aofa}} * 100$$

The percent difference should be  $\leq 7\%$ .

- 1.8.4 Calculate the corrected flow rate.

$$Corrected Flow Rate = Q_{ahvfa} * \frac{100 - \% diff}{100}$$

The corrected flow rate should be 40 cfm  $\pm 10\%$ , or between 36 and 44 cfm.

## **PROCEDURE 5.3**

### **SAMPLING PROCEDURE FOR PM 2.5 AIR MONITORING**

#### **1.0 PURPOSE**

1.0 To describe the procedures for performing PM 2.5 sampling.

#### **2.0 RESPONSIBILITY**

2.1 The Project Manager and Site Coordinator are responsible for assuring that this procedure is implemented.

2.2 Survey team personnel are responsible for following this procedure.

#### **3.0 PROCEDURE**

3.1 Perform the one point flow audit procedure if necessary.

3.2 Equipment and Materials

3.2.1 Quartz filter, pre-numbered.

3.2.2 PM 2.5 Field Data Form

3.2.3 Average temperature in Celsius and average pressure in in. Hg for the month in which the sampling took place.

#### Average Monthly Temperature and Pressure

Month	Air Temp (F)	Air Temp (C)	Stn Pres (in)
January	28	-2	29
February	28	-2	29
March	43	9	29
April	58	15	29
May	69	21	29
June	78	25	29
July	77	25	29
August	80	26	29
September	70	21	29
October	59	15	29
November	41	5	29
December	39	4	29

#### **3.3 Pre-Monitoring**

3.3.1 On the Field Data Sheet record:

3.3.1.1 The project name, station location, date, and the name of the operator loading the filter onto the sampler.

3.3.1.2 Sampler model, MFC serial number, and filter number.

3.3.1.3 The average temperature in degrees Celsius and Pressure in in. Hg for the sampling period as measured by the meteorological station.



3.3.1.4 The calibration curve relationships from the latest calibration.

3.3.1.5 The Sampler Flow Rate and Sampler Set Point from the latest One Point Flow Audit or the latest calibration.

3.3.2 Inspect the filter

3.3.2.1 Backlight each filter to inspect for pinholes, particles, or other visible imperfections.

3.4 Monitoring

3.4.1 Loosen the nuts that secure the inlet to the base and gently tilt back the inlet to allow access to the filter support screen.

3.4.2 Examine the filter support screen. If the screen appears dirty, wipe it clean.

3.4.3 Center the filter onto the filter holder, rough side up.

3.4.4 Tighten the thumb nuts to hold the filter securely. Check that the gasket is in good condition and has not deteriorated.

Caution: Tighten the thumb nuts evenly on alternate corners to properly align and seat the gasket. The nuts should be only hand-tightened because too much compression can damage the sealing gasket.

3.4.5 Lower the sample inlet. Secure the sample inlet to the sampler base. Open the front door of the sampler and examine the flow controller. Remove any moisture inside by wiping it with a clean cloth.

3.4.6 Energize the sampler. Allow for warm-up.

3.4.7 Observe proper SSP and adjust the MFC constant flow potentiometer if necessary to achieve the SSP.

3.4.8 Record the start time and the flow rate.

3.4.9 Secure the shelter.

3.5 Post Monitoring

3.5.1 Record the rotometer reading in column I of the PM 2.5 Field Data Form.

3.5.2 Indicate on the form whether the rotometer reading is within 10% of the Sampler Set Point.

3.5.3 De-energize the sampler

3.5.4 Remove the filter

3.5.5 Record the Sample Stop Time and calculate the elapsed time in minutes.

3.5.6 Check the porous disk

3.5.6.1 Remove the outer clamp ring (the "round cake mold pan" in which the porous disc rests) by loosening the four spring-loaded knurled finger tightening nuts

3.5.6.2 The white porous disc gets dark from the larger than 2.5 micron particles adhering to it. Wipe it with a rag. Then rub a finger over it. If it feels wet, close the cartridge. If it feels dry, re-saturate by adding more oil.

**WARNING:** Do NOT over-wet or it will become “super-saturated” and leak/spill the oil all over during reassembly of the PM2.5 cartridge back into the shelter assembly.

# APPENDIX I

## FIELD DATA FORMS



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A1	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	713282	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3460 4/14/2017
Intercept (bhv) =	10.8911 4/14/2017
Correlation Coefficient (rhv) =	-0.9984 4/14/2017

Set Points During Sampling Period	
SFR =	38.95 7/20/2017
SSP =	38.7 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		18171.2	17475.3	695.9	
Start Date/Time	7/20/17 6:35	Stop Date/Time	8/18/17 6:31	Elapsed Time (min)	41,754
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)	39

I	I	I
cfm	ml/min	total ml
39	1,100,817	45,963,530,200

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 0.65%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
---	-----------

Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A2	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	710989	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.37	Corrected Avg Monthly Temperature (deg. K)	298.53

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3968 4/14/2017
Intercept (bhv) =	8.5649 4/14/2017
Correlation Coefficient (rhv) =	-0.9990 4/14/2017

Set Points During Sampling Period	
SFR =	39.00 7/20/2017
SSP =	38.2 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		15155.1	14480.4	674.7	
Start Date/Time	7/20/17 7:35	Stop Date/Time	8/17/17 10:20	Elapsed Time (min)	40,482
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	41	Avg Flow Rate (cfm)	40

I	I	I
cfm	ml/min	total ml
40	1,121,347	45,394,374,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 7.33%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
---	-----------

Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A3	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714198	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4314 4/13/2017
Intercept (bhv) =	7.1867 4/13/2017
Correlation Coefficient (rhv) =	-0.9990 4/13/2017

Set Points During Sampling Period	
SFR =	39.20 7/20/2017
SSP =	38.2 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		20249.9	19555.2	694.7	
Start Date/Time	7/20/17 9:05	Stop Date/Time	8/18/17 8:10	Elapsed Time (min)	41,682
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)	38

I	I	I
cfm	ml/min	total ml
38	1,064,713	44,379,385,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -3.14%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A4	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714199	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)			
Slope (mhv) =	0.3780		4/18/2017
Intercept (bhv) =	9.1545		4/18/2017
Correlation Coefficient (rhv) =	-0.9994		4/18/2017

Set Points During Sampling Period			
SFR =	39.13		7/20/2017
SSP =	38.0		7/20/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	20541.5	19846.8	694.7	
Start Date/Time	7/20/17 8:42	Stop Date/Time	8/18/17 7:30	Elapsed Time (min)	41,682
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	36	Avg Flow Rate (cfm)	37

I	I	I
cfm	ml/min	total ml
37	1,047,582	43,665,302,100

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -5.24%  
circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A5	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/21/2017
MFC Serial No.:	714200	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.13	Corrected Avg Monthly Temperature (deg. K)	298.29

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4070 4/18/2017
Intercept (bhv) =	8.9892 4/18/2017
Correlation Coefficient (rhv) =	-0.9994 4/18/2017

Set Points During Sampling Period	
SFR =	39.02 7/21/2017
SSP =	39.51 7/21/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		20459.6	19810.9	648.7
Start Date/Time	7/21/17 7:05	Stop Date/Time	8/17/17 7:34	Elapsed Time (min)
				38,922
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	38	Avg Flow Rate (cfm)
				39

I	I	I
cfm	ml/min	total ml
39	1,097,419	42,713,757,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -3.82%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_





**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A6	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714201	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.37	Corrected Avg Monthly Temperature (deg. K)	298.53

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3952 4/14/2017
Intercept (bhv) =	9.4639 4/14/2017
Correlation Coefficient (rhv) =	-0.9996 4/14/2017

Set Points During Sampling Period	
SFR =	38.95 7/20/2017
SSP =	39.53 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		19804.5	19130.1	674.4
Start Date/Time	7/20/17 6:58	Stop Date/Time	8/17/17 9:27	Elapsed Time (min)
				40,464
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	36	Avg Flow Rate (cfm)
				38

I	I	I
cfm	ml/min	total ml
38	1,069,386	43,271,623,400

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -8.93%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A7	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/21/2017
MFC Serial No.:	714202	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.13	Corrected Avg Monthly Temperature (deg. K)	298.29

Hi Vol Calibration Curve Relationships (station-specific)		
Slope (mhv) =	0.4259	4/13/2017
Intercept (bhv) =	7.2018	4/13/2017
Correlation Coefficient (rhv) =	-0.9995	4/13/2017

Set Points During Sampling Period		
SFR =	39.10	7/21/2017
SSP =	37.9	7/21/2017

Start of Current Sampling (loading)		End of Current Sampling (collection)		Hr meter @ collection	Hr meter @ loading	
Start Date/Time	7/21/17 6:40	Stop Date/Time	8/17/17 6:17	20521.2	19873.5	647.7
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	37	Elapsed Time (min)		38,862
				Avg Flow Rate (cfm)		37
						100.0% 647.6

I	I	I
cfm	ml/min	total ml
37	1,059,900	41,189,817,000

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -2.27%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A8	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714203	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)			
Slope (mhv) =	0.4097		4/18/2017
Intercept (bhv) =	7.8749		4/18/2017
Correlation Coefficient (rhv) =	-0.9997		4/18/2017

Set Points During Sampling Period			
SFR =	39.33		7/20/2017
SSP =	38.0		7/20/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	20381.9	19687.1	694.8	
Start Date/Time	7/20/17 9:35	Stop Date/Time	8/18/17 8:30	Elapsed Time (min)	41,688
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	44	Avg Flow Rate (cfm)	41

I	I	I
cfm	ml/min	total ml
41	1,160,424	48,375,771,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?    Y    **N**    N/A    15.91%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A9	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714204	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3988 4/12/2017
Intercept (bhv) =	7.7550 4/12/2017
Correlation Coefficient (rhv) =	-0.9998 4/12/2017

Set Points During Sampling Period	
SFR =	39.06 7/20/2017
SSP =	37.0 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		19814.6	19119.8	694.8	
Start Date/Time	7/20/17 8:21	Stop Date/Time	8/18/17 7:10	Elapsed Time (min)	41,688
Flow Rate (cfm) <sup>2</sup>	37	Flow Rate (cfm) <sup>1</sup>	41	Avg Flow Rate (cfm)	39

I	I	I
cfm	ml/min	total ml
39	1,105,065	46,067,947,200

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** **(N)** **N/A** 10.66%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A10	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714205	Operator (Filter Collection):	A. Luna
		Date:	8/18/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.31	Corrected Avg Monthly Temperature (deg. K)	298.47

Hi Vol Calibration Curve Relationships (station-specific)			
Slope (mhv) =	0.3499		4/19/2017
Intercept (bhv) =	10.6634		4/19/2017
Correlation Coefficient (rhv) =	-0.9994		4/19/2017

Set Points During Sampling Period			
SFR =	39.80		7/20/2017
SSP =	38.7		7/20/2017

Start of Current Sampling (loading)		End of Current Sampling (collection)		Hr meter @ collection	Hr meter @ loading	
Start Date/Time	7/20/17 11:44	Stop Date/Time	8/18/17 10:15	20455.4	19761.7	693.7
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	36	Elapsed Time (min)		41,622
				Avg Flow Rate (cfm)		37

I	I	I
cfm	ml/min	total ml
37	1,057,351	44,009,065,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A  -6.93%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A11	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/20/2017
MFC Serial No.:	714206	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.37	Corrected Avg Monthly Temperature (deg. K)	298.53

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3403 4/12/2017
Intercept (bhv) =	10.0954 4/12/2017
Correlation Coefficient (rhv) =	-0.9981 4/12/2017

Set Points During Sampling Period	
SFR =	39.63 7/20/2017
SSP =	37.2 7/20/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
7/20/17 10:35	8/17/17 7:08	20614.7	19945.9	668.8
Start Date/Time	Stop Date/Time	Elapsed Time (min)	40,128	
Flow Rate (cfm) <sup>2</sup>	Flow Rate (cfm) <sup>1</sup>	Avg Flow Rate (cfm)	38	

I	I	I
cfm	ml/min	total ml
38	1,064,430	42,713,457,600

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 2.21%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name: <u>ENG-WES</u>	Filter No. <u>TFAQ102</u>
Station Location: <u>A12</u>	Operator (Filter Loading): <u>A. Luna</u>
Sampler Model: <u>PM2.5</u>	Date: <u>7/21/2017</u>
MFC Serial No. <u>714207</u>	Operator (Filter Collection): <u>A. Luna</u>
	Date: <u>8/18/2017</u>

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	<u>30.77</u>	Corrected Avg Monthly Pressure (mm Hg)	<u>781.558</u>
Avg Monthly Temp (deg. C)	<u>25.08</u>	Corrected Avg Monthly Temperature (deg. K)	<u>298.24</u>

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	<u>0.3729</u> 4/19/2017
Intercept (bhv) =	<u>9.6725</u> 4/19/2017
Correlation Coefficient (rhv) =	<u>-0.9993</u> 4/19/2017

Set Points During Sampling Period	
SFR =	<u>39.23</u> 7/21/2017
SSP =	<u>38.51</u> 7/21/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		<u>20484.0</u>	<u>19810.8</u>	<u>673.2</u>
Start Date/Time <u>7/21/17 7:50</u>	Stop Date/Time <u>8/18/17 9:20</u>	Elapsed Time (min)		<u>40,392</u>
Flow Rate (cfm) <sup>2</sup> <u>39</u>	Flow Rate (cfm) <sup>1</sup> <u>39</u>	Avg Flow Rate (cfm)		<u>39</u>

I	I	I
cfm	ml/min	total ml
<u>39</u>	<u>1,097,419</u>	<u>44,326,964,000</u>

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? Y N N/A 1.27%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<u>&lt;10.0 ppm</u>
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Reviewed by: \_\_\_\_\_



## PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A13	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	7/21/2017
MFC Serial No.:	714208	Operator (Filter Collection):	A. Luna
		Date:	8/17/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.77	Corrected Avg Monthly Pressure (mm Hg)	781.558
Avg Monthly Temp (deg. C)	25.13	Corrected Avg Monthly Temperature (deg. K)	298.29

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4089 4/13/2017
Intercept (bhv) =	8.4430 4/13/2017
Correlation Coefficient (rhv) =	-0.9980 4/13/2017

Set Points During Sampling Period	
SFR =	39.16 7/21/2017
SSP =	38.8 7/21/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		20011.1	19362.2	648.9	
Start Date/Time	7/21/17 7:35	Stop Date/Time	8/17/17 8:10	Elapsed Time (min)	38,934
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	40	Avg Flow Rate (cfm)	39
					100.0% 648.6

I	I	I
cfm	ml/min	total ml
39	1,115,401	43,427,006,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 3.15%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_





**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A1	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	713282	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)			
Slope (mhv) =	0.3460		4/14/2017
Intercept (bhv) =	10.8911		4/14/2017
Correlation Coefficient (rhv) =	-0.9984		4/14/2017

Set Points During Sampling Period			
SFR =	38.58		8/18/2017
SSP =	39.1		8/18/2017

		Hr meter @ collection	Hr meter @ loading	
Start of Current Sampling (loading)	End of Current Sampling (collection)	18821.0	18171.2	649.8
Start Date/Time	8/18/17 6:31	Stop Date/Time	9/14/17 10:00	Elapsed Time (min)
				38,988
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	38	Avg Flow Rate (cfm)
				39

I	I	I
cfm	ml/min	total ml
39	1,091,048	42,537,783,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -2.71%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A2	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/17/2017
MFC Serial No.:	710989	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.30	Corrected Avg Monthly Temperature (deg. K)	295.46

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3968 4/14/2017
Intercept (bhv) =	8.5649 4/14/2017
Correlation Coefficient (rhv) =	-0.9990 4/14/2017

Set Points During Sampling Period	
SFR =	39.46 8/17/2017
SSP =	38.6 8/17/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	15826.7	15155.1	671.6	
Start Date/Time	8/17/17 10:20	Stop Date/Time	9/14/17 11:00	Elapsed Time (min)	40,296
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	38	Avg Flow Rate (cfm)	38

I	I	I
cfm	ml/min	total ml
38	1,084,394	43,696,726,100

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -1.53%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A3	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714198	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4314 4/13/2017
Intercept (bhv) =	7.1867 4/13/2017
Correlation Coefficient (rhv) =	-0.9990 4/13/2017

Set Points During Sampling Period	
SFR =	38.84 8/18/2017
SSP =	38.4 8/18/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	20898.0	20249.9	648.1	
Start Date/Time	8/18/17 8:10	Stop Date/Time	9/14/17 9:25	Elapsed Time (min)	38,886
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	42	Avg Flow Rate (cfm)	40

I	I	I
cfm	ml/min	total ml
40	1,139,045	44,292,909,900

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 9.23%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A4	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714199	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3780 4/18/2017
Intercept (bhv) =	9.1545 4/18/2017
Correlation Coefficient (rhv) =	-0.9994 4/18/2017

Set Points During Sampling Period	
SFR =	38.86 8/18/2017
SSP =	38.3 8/18/2017

		Hr meter @ collection	Hr meter @ loading	
Start of Current Sampling (loading)	End of Current Sampling (collection)	21189.8	20541.5	648.3
Start Date/Time	8/18/17 7:30	Stop Date/Time	9/14/17 9:00	Elapsed Time (min)
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)

I	I	I
cfm	ml/min	total ml
39	1,094,163	42,560,750,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 1.88%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A5	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/17/2017
MFC Serial No.:	714200	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.30	Corrected Avg Monthly Temperature (deg. K)	295.46

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4070 4/18/2017
Intercept (bhv) =	8.9892 4/18/2017
Correlation Coefficient (rhv) =	-0.9994 4/18/2017

Set Points During Sampling Period	
SFR =	38.92 8/17/2017
SSP =	39.8 8/17/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
8/17/17 7:34	9/14/17 11:30	21133.5	20459.6	673.9
Start Date/Time	Stop Date/Time	Elapsed Time (min)	40,434	
Flow Rate (cfm) <sup>2</sup>	Flow Rate (cfm) <sup>1</sup>	Avg Flow Rate (cfm)	40	

I	I	I
cfm	ml/min	total ml
40	1,130,267	45,701,213,100

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 0.43%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A6	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/17/2017
MFC Serial No.:	714201	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.30	Corrected Avg Monthly Temperature (deg. K)	295.46

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3952 4/14/2017
Intercept (bhv) =	9.4639 4/14/2017
Correlation Coefficient (rhv) =	-0.9996 4/14/2017

Set Points During Sampling Period	
SFR =	39.29 8/17/2017
SSP =	39.9 8/17/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	20476.6	19804.5	672.1	
Start Date/Time	8/17/17 9:27	Stop Date/Time	9/14/17 10:30	Elapsed Time (min)	40,326
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	38	Avg Flow Rate (cfm)	39

I	I	I
cfm	ml/min	total ml
39	1,102,941	44,477,205,800

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A  -4.76%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A7	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/17/2017
MFC Serial No.:	714202	Operator (Filter Collection):	A. Luna
		Date:	9/15/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.31	Corrected Avg Monthly Temperature (deg. K)	295.47

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4259 4/13/2017
Intercept (bhv) =	7.2018 4/13/2017
Correlation Coefficient (rhv) =	-0.9995 4/13/2017

Set Points During Sampling Period	
SFR =	38.77 8/17/2017
SSP =	38.1 8/17/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		21218.1	20521.2	696.9	
Start Date/Time	8/17/17 6:17	Stop Date/Time	9/15/17 7:30	Elapsed Time (min)	41,814
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	36	Avg Flow Rate (cfm)	37
					100.0% 697.2

I	I	I
cfm	ml/min	total ml
37	1,049,422	43,880,545,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -5.56%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



## PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A8	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714203	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4097 4/18/2017
Intercept (bhv) =	7.8749 4/18/2017
Correlation Coefficient (rhv) =	-0.9997 4/18/2017

Set Points During Sampling Period	
SFR =	39.05 8/18/2017
SSP =	38.2 8/18/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
8/18/17 8:30	9/14/17 12:00	21031.0	20381.9	649.1
Start Date/Time	Stop Date/Time	Elapsed Time (min)	38,946	
Flow Rate (cfm) <sup>2</sup>	Flow Rate (cfm) <sup>1</sup>	Avg Flow Rate (cfm)	40	

	99.6%	651.5
I cfm	I ml/min	I total ml
40	1,121,772	43,688,527,600

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 7.25%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_





**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A9	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714204	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3988 4/12/2017
Intercept (bhv) =	7.7550 4/12/2017
Correlation Coefficient (rhv) =	-0.9998 4/12/2017

Set Points During Sampling Period	
SFR =	38.71 8/18/2017
SSP =	37.3 8/18/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		20462.9	19814.6	648.3	
Start Date/Time	8/18/17 7:10	Stop Date/Time	9/14/17 8:30	Elapsed Time (min)	38,898
Flow Rate (cfm) <sup>2</sup>	37	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)	37

I	I	I
cfm	ml/min	total ml
37	1,052,112	40,925,069,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -0.83%  
circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A10	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714205	Operator (Filter Collection):	A. Luna
		Date:	9/15/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)			
Slope (mhv) =	0.3499		4/19/2017
Intercept (bhv) =	10.6634		4/19/2017
Correlation Coefficient (rhv) =	-0.9994		4/19/2017

Set Points During Sampling Period			
SFR =	39.45		8/18/2017
SSP =	39.0		8/18/2017

Start of Current Sampling (loading)		End of Current Sampling (collection)		Hr meter @ collection	Hr meter @ loading	
Start Date/Time	8/18/17 10:15	Stop Date/Time	9/15/17 7:00	21124.9	20455.4	669.5
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	38	Elapsed Time (min)		40,170
				Avg Flow Rate (cfm)		38

I	I	I
cfm	ml/min	total ml
38	1,090,057	43,787,590,100

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -2.54%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A11	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/17/2017
MFC Serial No.:	714206	Operator (Filter Collection):	A. Luna
		Date:	9/15/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.31	Corrected Avg Monthly Temperature (deg. K)	295.47

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3403 4/12/2017
Intercept (bhv) =	10.0954 4/12/2017
Correlation Coefficient (rhv) =	-0.9981 4/12/2017

Set Points During Sampling Period	
SFR =	38.85 8/17/2017
SSP =	37.4 8/17/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
8/17/17 7:08	9/15/17 8:00	21308.6	20614.7	693.9
Start Date/Time	Stop Date/Time	Elapsed Time (min)		41,634
Flow Rate (cfm) <sup>2</sup>	Flow Rate (cfm) <sup>1</sup>	Avg Flow Rate (cfm)		39

I	I	I
cfm	ml/min	total ml
39	1,110,587	46,238,167,700

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 9.51%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A12	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	8/18/2017
MFC Serial No.:	714207	Operator (Filter Collection):	A. Luna
		Date:	9/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.22	Corrected Avg Monthly Temperature (deg. K)	295.38

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3729 4/19/2017
Intercept (bhv) =	9.6725 4/19/2017
Correlation Coefficient (rhv) =	-0.9993 4/19/2017

Set Points During Sampling Period	
SFR =	39.23 8/18/2017
SSP =	38.8 8/18/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	21127.5	20484.0	643.5	
Start Date/Time	8/18/17 9:20	Stop Date/Time	9/14/17 7:00	Elapsed Time (min)	38,610
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)	39

I	I	I
cfm	ml/min	total ml
39	1,101,950	42,546,292,800

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 0.44%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name: <u>ENG-WES</u>	Filter No. <u>TFAQ102</u>
Station Location: <u>A13</u>	Operator (Filter Loading): <u>A. Luna</u>
Sampler Model: <u>PM2.5</u>	Date: <u>8/17/2017</u>
MFC Serial No. <u>714208</u>	Operator (Filter Collection): <u>A. Luna</u>
	Date: <u>9/14/2017</u>

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	<u>30.79</u>	Corrected Avg Monthly Pressure (mm Hg)	<u>782.066</u>
Avg Monthly Temp (deg. C)	<u>22.30</u>	Corrected Avg Monthly Temperature (deg. K)	<u>295.46</u>

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	<u>0.4089</u> 4/13/2017
Intercept (bhv) =	<u>8.4430</u> 4/13/2017
Correlation Coefficient (rhv) =	<u>-0.9980</u> 4/13/2017

Set Points During Sampling Period	
SFR =	<u>39.07</u> 8/17/2017
SSP =	<u>39.1</u> 8/17/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		<u>20660.4</u>	<u>20011.1</u>	<u>649.3</u>
Start Date/Time <u>8/17/17 8:10</u>	Stop Date/Time <u>9/14/17 7:45</u>	Elapsed Time (min)		<u>38,958</u>
Flow Rate (cfm) <sup>2</sup> <u>39</u>	Flow Rate (cfm) <sup>1</sup> <u>38</u>	Avg Flow Rate (cfm)		<u>39</u>

I	I	I
cfm	ml/min	total ml
<u>39</u>	<u>1,091,614</u>	<u>42,527,115,200</u>

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? Y N N/A -2.81%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<u>&lt;10.0 ppm</u>
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A1	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	713282	Operator (Filter Collection):	A. Luna
		Date:	10/12/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.15	Corrected Avg Monthly Temperature (deg. K)	296.31

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3379 10/12/2017
Intercept (bhv) =	10.5969 10/12/2017
Correlation Coefficient (rhv) =	-0.9992 10/12/2017

Set Points During Sampling Period	
SFR =	39.92 9/14/2017
SSP =	39.54 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	19492.8	18821.0	671.8	
Start Date/Time	9/14/17 10:05	Stop Date/Time	10/12/17 11:30	Elapsed Time (min)	40,308
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)	38

I	I	I
cfm	ml/min	total ml
38	1,083,686	43,681,204,000

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -6.42%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A2	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	710989	Operator (Filter Collection):	A. Luna
		Date:	10/12/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.15	Corrected Avg Monthly Temperature (deg. K)	296.31

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3676 10/12/2017
Intercept (bhv) =	9.6040 10/12/2017
Correlation Coefficient (rhv) =	-0.9997 10/12/2017

Set Points During Sampling Period	
SFR =	40.30 9/14/2017
SSP =	39.1 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	16500.6	15826.7	673.9	
Start Date/Time	9/14/17 11:05	Stop Date/Time	10/12/17 13:00	Elapsed Time (min)	40,434
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)	38
				100.0%	673.9

I	I	I
cfm	ml/min	total ml
38	1,077,598	43,571,581,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A  -5.40%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A3	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714198	Operator (Filter Collection):	A. Luna
		Date:	10/13/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.98	Corrected Avg Monthly Temperature (deg. K)	296.14

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3931 10/13/2017
Intercept (bhv) =	8.2312 10/13/2017
Correlation Coefficient (rhv) =	-0.9999 10/13/2017

Set Points During Sampling Period	
SFR =	39.92 9/14/2017
SSP =	39.1 9/14/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		21593.9	20898.0	695.9
Start Date/Time	9/14/17 9:30	Stop Date/Time	10/13/17 9:25	Elapsed Time (min)
				41,754
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)
				38

I	I	I
cfm	ml/min	total ml
38	1,076,890	44,964,451,500

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -5.27%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_





**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A4	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714199	Operator (Filter Collection):	A. Luna
		Date:	10/13/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.98	Corrected Avg Monthly Temperature (deg. K)	296.14

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3951 10/13/2017
Intercept (bhv) =	8.0163 10/13/2017
Correlation Coefficient (rhv) =	-0.9998 10/13/2017

Set Points During Sampling Period	
SFR =	39.58 9/14/2017
SSP =	38.8 9/14/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		21885.8	21189.8	696.0
Start Date/Time	9/14/17 9:05	Stop Date/Time	10/13/17 9:05	Elapsed Time (min)
				41,760
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)
				39

I	I	I
cfm	ml/min	total ml
39	1,100,959	45,976,047,700

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 0.62%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A5	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714200	Operator (Filter Collection):	A. Luna
		Date:	10/13/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.98	Corrected Avg Monthly Temperature (deg. K)	296.14

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3599 10/13/2017
Intercept (bhv) =	10.3831 10/13/2017
Correlation Coefficient (rhv) =	-0.9995 10/13/2017

Set Points During Sampling Period	
SFR =	40.61 9/14/2017
SSP =	40.49 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	21828.0	21133.5	694.5	
Start Date/Time	9/14/17 11:35	Stop Date/Time	10/13/17 10:08	Elapsed Time (min)	41,670
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)	40

I	I	I
cfm	ml/min	total ml
40	1,125,453	46,897,629,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A -3.68%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A6	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714201	Operator (Filter Collection):	A. Luna
		Date:	10/12/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.15	Corrected Avg Monthly Temperature (deg. K)	296.31

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3686 10/12/2017
Intercept (bhv) =	9.3914 10/12/2017
Correlation Coefficient (rhv) =	-0.9995 10/12/2017

Set Points During Sampling Period	
SFR =	40.30 9/14/2017
SSP =	40.4 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	21147.6	20476.6	671.0	
Start Date/Time	9/14/17 10:35	Stop Date/Time	10/12/17 11:00	Elapsed Time (min)	40,260
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	40	Avg Flow Rate (cfm)	40

I	I	I
cfm	ml/min	total ml
40	1,138,904	45,852,257,700

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A  -1.09%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A7	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/15/2017
MFC Serial No.:	714202	Operator (Filter Collection):	A. Luna
		Date:	10/13/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	22.98	Corrected Avg Monthly Temperature (deg. K)	296.14

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3987 10/13/2017
Intercept (bhv) =	8.1143 10/13/2017
Correlation Coefficient (rhv) =	-0.9999 10/13/2017

Set Points During Sampling Period	
SFR =	39.52 9/15/2017
SSP =	38.7 9/15/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		21892.5	21218.1	674.4
Start Date/Time	9/15/17 7:35	Stop Date/Time	10/13/17 9:57	Elapsed Time (min)
				40,464
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)
				38

I	I	I
cfm	ml/min	total ml
38	1,071,226	43,346,101,300

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -4.29%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A8	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714203	Operator (Filter Collection):	A. Luna
		Date:	10/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.05	Corrected Avg Monthly Temperature (deg. K)	296.21

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3377 10/14/2017
Intercept (bhv) =	10.6187 10/14/2017
Correlation Coefficient (rhv) =	-0.9993 10/14/2017

Set Points During Sampling Period	
SFR =	40.61 9/14/2017
SSP =	38.9 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	21705.2	21031.0	674.2	
Start Date/Time	9/14/17 12:05	Stop Date/Time	10/14/17 7:12	Elapsed Time (min)	40,452
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	39	Avg Flow Rate (cfm)	39

I	I	I
cfm	ml/min	total ml
39	1,102,941	44,616,176,400

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? **Y** N N/A 0.26%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name: <u>ENG-WES</u>	Filter No. <u>TFAQ102</u>
Station Location: <u>A9</u>	Operator (Filter Loading): <u>A. Luna</u>
Sampler Model: <u>PM2.5</u>	Date: <u>9/14/2017</u>
MFC Serial No. <u>714204</u>	Operator (Filter Collection): <u>A. Luna</u>
	Date: <u>10/12/2017</u>

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	<u>30.79</u>	Corrected Avg Monthly Pressure (mm Hg)	<u>782.066</u>
Avg Monthly Temp (deg. C)	<u>23.15</u>	Corrected Avg Monthly Temperature (deg. K)	<u>296.31</u>

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	<u>0.3715</u> 10/12/2017
Intercept (bhv) =	<u>8.9076</u> 10/12/2017
Correlation Coefficient (rhv) =	<u>-0.9998</u> 10/12/2017

Set Points During Sampling Period	
SFR =	<u>39.58</u> 9/14/2017
SSP =	<u>37.8</u> 9/14/2017

		Hr meter @ collection	Hr meter @ loading	
Start of Current Sampling (loading)	End of Current Sampling (collection)	<u>21139.3</u>	<u>20462.9</u>	<u>676.4</u>
Start Date/Time <u>9/14/17 8:35</u>	Stop Date/Time <u>10/12/17 13:54</u>	Elapsed Time (min)		<u>40,584</u>
Flow Rate (cfm) <sup>2</sup> <u>38</u>	Flow Rate (cfm) <sup>1</sup> <u>38</u>	Avg Flow Rate (cfm)		<u>38</u>

I	I	I
cfm	ml/min	total ml
<u>38</u>	<u>1,073,633</u>	<u>43,572,331,400</u>

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>? Y N N/A 0.45%  
 circle Y or N

H <sub>2</sub> S reading at collection:	<u>&lt;10.0 ppm</u>
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A10	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/15/2017
MFC Serial No.:	714205	Operator (Filter Collection):	A. Luna
		Date:	10/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.05	Corrected Avg Monthly Temperature (deg. K)	296.21

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4099 10/14/2017
Intercept (bhv) =	7.6319 10/14/2017
Correlation Coefficient (rhv) =	-0.9999 10/14/2017

Set Points During Sampling Period	
SFR =	39.24 9/15/2017
SSP =	39.4 9/15/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading		
		21821.6	21124.9	696.7	
Start Date/Time	9/15/17 7:05	Stop Date/Time	10/14/17 7:45	Elapsed Time (min)	41,802
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)	38

I	I	I
cfm	ml/min	total ml
38	1,081,420	45,205,534,400

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -6.04%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A11	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/15/2017
MFC Serial No.:	714206	Operator (Filter Collection):	A. Luna
		Date:	10/12/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.80	Corrected Avg Monthly Pressure (mm Hg)	782.32
Avg Monthly Temp (deg. C)	23.15	Corrected Avg Monthly Temperature (deg. K)	296.31

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.4088 10/12/2017
Intercept (bhv) =	7.1554 10/12/2017
Correlation Coefficient (rhv) =	-0.9997 10/12/2017

Set Points During Sampling Period	
SFR =	39.52 9/15/2017
SSP =	37.9 9/15/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		21957.4	21308.6	648.8
Start Date/Time	9/15/17 8:05	Stop Date/Time	10/12/17 8:50	Elapsed Time (min)
				38,928
Flow Rate (cfm) <sup>2</sup>	38	Flow Rate (cfm) <sup>1</sup>	36	Avg Flow Rate (cfm)
				37

I	I	I
cfm	ml/min	total ml
37	1,045,883	40,714,122,900

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A -4.94%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_





### PM2.5 FIELD DATA FORM

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A12	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714207	Operator (Filter Collection):	A. Luna
		Date:	10/14/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	23.05	Corrected Avg Monthly Temperature (deg. K)	296.21

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3742 10/14/2017
Intercept (bhv) =	9.4657 10/14/2017
Correlation Coefficient (rhv) =	-0.9997 10/14/2017

Set Points During Sampling Period	
SFR =	38.93 9/14/2017
SSP =	39.2 9/14/2017

		Hr meter @ collection	Hr meter @ loading		
Start of Current Sampling (loading)	End of Current Sampling (collection)	21849.0	21127.5	721.5	
Start Date/Time	9/14/17 7:05	Stop Date/Time	10/14/17 8:40	Elapsed Time (min)	43,290
Flow Rate (cfm) <sup>2</sup>	39	Flow Rate (cfm) <sup>1</sup>	40	Avg Flow Rate (cfm)	40

I	I	I
cfm	ml/min	total ml
40	1,121,347	48,543,117,100

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A 2.04%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_



**PM2.5 FIELD DATA FORM**

Auxier & Associates, Inc.  
 9821 Cogdill Road, Suite 1  
 Knoxville, TN 37932  
 (865) 675-3669

Project Name:	ENG-WES	Filter No.:	TFAQ102
Station Location:	A13	Operator (Filter Loading):	A. Luna
Sampler Model:	PM2.5	Date:	9/14/2017
MFC Serial No.:	714208	Operator (Filter Collection):	A. Luna
		Date:	10/13/2017

Average Conditions During Sampling Period (from met tower data)			
Avg Monthly Pressure (in. Hg)	30.79	Corrected Avg Monthly Pressure (mm Hg)	782.066
Avg Monthly Temp (deg. C)	22.98	Corrected Avg Monthly Temperature (deg. K)	296.14

Hi Vol Calibration Curve Relationships (station-specific)	
Slope (mhv) =	0.3803 10/13/2017
Intercept (bhv) =	8.8862 10/13/2017
Correlation Coefficient (rhv) =	-0.9994 10/13/2017

Set Points During Sampling Period	
SFR =	39.27 9/14/2017
SSP =	39.53 9/14/2017

Start of Current Sampling (loading)	End of Current Sampling (collection)	Hr meter @ collection	Hr meter @ loading	
		21361.6	20660.4	701.2
Start Date/Time	9/14/17 7:50	Stop Date/Time	10/13/17 13:00	Elapsed Time (min)
				42,072
Flow Rate (cfm) <sup>2</sup>	40	Flow Rate (cfm) <sup>1</sup>	37	Avg Flow Rate (cfm)
				38

I	I	I
cfm	ml/min	total ml
38	1,083,544	45,586,868,900

Is the collection flow rate<sup>1</sup> within 10% of the loading flow rate<sup>2</sup>?  Y  N  N/A  -6.40%

circle Y or N

H <sub>2</sub> S reading at collection:	<10.0 ppm
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Reviewed by: \_\_\_\_\_

# **APPENDIX J**

## **CHAINS OF CUSTODY**

# Chain of Custody Record

No 1604

Eberline Services  
601 Scarboro Road  
Oak Ridge, TN 37830  
(865) 481-0683 Phone • (865) 483-4621 Fax



<b>Project Name:</b> West Lake Landfill	<b>Project Number:</b>
<b>Send Report To:</b> EMSI / Auxier & Assoc. mjoseph@auxier.com	<b>Sampler (Print Name):</b> ALEX LUNA
<b>Address:</b> Environmental Management Support, Inc. 7220 W. Jefferson Ave., Suite 406 Lakewood, CO 80235	<b>Sampler (Print Name):</b>
Auxier & Associates, Inc. 9821 Cogdill Road, Suite 1 Knoxville, TN 37932	<b>Shipment Method:</b> FedEx
<b>Phone:</b> EMSI (303) 940-3426 / A & A (865) 675-3669	<b>Airbill Number:</b> 7700 6925 9337
<b>Fax:</b> EMSI (303) 940-3422 / A & A (865) 675-3677	<b>Laboratory Receiving:</b> 601 Scarboro Road Oak Ridge, TN 37830 (865) 481-0683

Analysis Requested	Gross alpha	
	Gross beta	
	Gamma Spec	
	Isotopic Uranium	
	Isotopic Thorium	

Page 1 of 1

Purchase Order #: \_\_\_\_\_

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested										Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)		
ENGWESA001	8/18/17	0631	air filter	1	X	X												45,963,530,200
ENGWESA002	8/17/17	1020	air filter	1	X	X												45,394,374,300
ENGWESA003	8/18/17	0810	air filter	1	X	X												44,379,385,300
ENGWESA004	8/18/17	0730	air filter	1	X	X												43,665,302,100
ENGWESA005	8/17/17	0734	air filter	1	X	X												42,713,757,500
ENGWESA006	8/17/17	0927	air filter	1	X	X												43,271,623,400
ENGWESA007	8/17/17	0617	air filter	1	X	X												41,189,817,000
ENGWESA008	8/18/17	0830	air filter	1	X	X												48,375,771,300
ENGWESA009	8/18/17	0710	air filter	1	X	X												46,067,947,200
ENGWESA010	8/18/17	1015	air filter	1	X	X												44,009,065,500
ENGWESA011	8/17/17	0708	air filter	1	X	X												42,713,457,600
ENGWESA012	8/18/17	0920	air filter	1	X	X												44,326,964,000
ENGWESA013	8/17/17	0810	air filter	1	X	X												43,427,006,500
Field Blank	8/18/17	1015	air filter	1	X	X												n/a

lab: select one of the filters at random (not the field blank) and split it for a field duplicate.

<b>Relinquished by: (Signature)</b> <i>[Signature]</i>	<b>Received by: (Signature)</b> FEDEX	<b>Date:</b> 8/21/17	<b>Time:</b> 1030	<b>Sample Custodian Remarks (Completed By Laboratory):</b>			
<b>Relinquished by: (Signature)</b>	<b>Received by: (Signature)</b>	<b>Date:</b>	<b>Time:</b>	<b>QA/QC Level</b>	<b>Turnaround</b>	<b>Sample Receipt</b>	
				Level IV <input checked="" type="checkbox"/>	Routine <input checked="" type="checkbox"/>	Total # Containers Received?	
				Level I <input type="checkbox"/>	24 Hour <input type="checkbox"/>	COC Seals Present?	
				Level II <input type="checkbox"/>	1 Week <input type="checkbox"/>	COC Seals Intact?	
				Level III <input type="checkbox"/>	Other _____	Received Containers Intact?	
				Other <input type="checkbox"/>		Temperature?	

# Chain of Custody Record

N<sup>o</sup> 1604

Eberline Services  
601 Scarboro Road  
Oak Ridge, TN 37830  
(865) 481-0683 Phone • (865) 483-4621 Fax



<b>Project Name:</b> West Lake Landfill	<b>Project Number:</b>	Analysis Requested Gross alpha Gross beta Gamma Spec Isotopic Uranium Isotopic Thorium	Page 1 of 1  Purchase Order #: _____
<b>Send Report To:</b> EMSI / Auxier & Assoc. mjoseph@auxier.com	<b>Sampler (Print Name):</b> ALEX LUNA		
<b>Address:</b> Environmental Management Support, Inc. 7220 W. Jefferson Ave., Suite 406 Lakewood, CO 80235	<b>Sampler (Print Name):</b>		
Auxier & Associates, Inc. 9821 Cogdill Road, Suite 1 Knoxville, TN 37932	<b>Shipment Method:</b> FedEx		
<b>Phone:</b> EMSI (303) 940-3426 / A & A (865) 675-3669	<b>Airbill Number:</b> 7702 7863 7150		
<b>Fax:</b> EMSI (303) 940-3422 / A & A (865) 675-3677	<b>Laboratory Receiving:</b> 601 Scarboro Road Oak Ridge, TN 37830 (865) 481-0683		

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested										Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)			
ENGWESA001	9/14/17	1000	air filter	1	X	X													42,537,783,300
ENGWESA002	9/14/17	1100	air filter	1	X	X													43,696,726,100
ENGWESA003	9/14/17	0925	air filter	1	X	X													44,292,909,900
ENGWESA004	9/14/17	0900	air filter	1	X	X													42,560,750,500
ENGWESA005	9/14/17	1130	air filter	1	X	X													45,701,213,100
ENGWESA006	9/14/17	1030	air filter	1	X	X													44,477,205,800
ENGWESA007	9/15/17	0730	air filter	1	X	X													43,880,545,500
ENGWESA008	9/14/17	1200	air filter	1	X	X													43,688,527,600
ENGWESA009	9/14/17	0830	air filter	1	X	X													40,925,069,500
ENGWESA010	9/15/17	0700	air filter	1	X	X													43,787,590,100
ENGWESA011	9/15/17	0800	air filter	1	X	X													46,238,167,700
ENGWESA012	9/14/17	0700	air filter	1	X	X													42,546,292,800
ENGWESA013	9/14/17	0745	air filter	1	X	X													42,527,115,200
Field Blank	9/15/17	0800	air filter	1	X	X													n/a

lab : select one of the filters at random (not the field blank) and split it for a field duplicate.

<b>Relinquished by: (Signature)</b> <i>Melli P. [Signature]</i>	<b>Received by: (Signature)</b> FEDEX 7702 7863 7150	<b>Date:</b> 9/18/17	<b>Time:</b> 1600	<b>Sample Custodian Remarks (Completed By Laboratory):</b>			
<b>Relinquished by: (Signature)</b>	<b>Received by: (Signature)</b>	<b>Date:</b>	<b>Time:</b>	<b>QA/QC Level</b> Level IV <input checked="" type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Other <input type="checkbox"/>	<b>Turnaround</b> Routine <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> Other _____	<b>Sample Receipt</b>	
<b>Relinquished by: (Signature)</b>	<b>Received by: (Signature)</b>	<b>Date:</b>	<b>Time:</b>			Total # Containers Received?	
						COC Seals Present?	
						COC Seals Intact?	
						Received Containers Intact?	
						Temperature?	

# Chain of Custody Record

No 1604

Eberline Services  
601 Scarboro Road  
Oak Ridge, TN 37830  
(865) 481-0683 Phone • (865) 483-4621 Fax



<b>Project Name:</b> West Lake Landfill	<b>Project Number:</b>
<b>Send Report To:</b> EMSI / Auxier & Assoc. mjoseph@auxier.com	<b>Sampler (Print Name):</b> ALEX LUNA
<b>Address:</b> Environmental Management Support, Inc. 7220 W. Jefferson Ave., Suite 406 Lakewood, CO 80235 Auxier & Associates, Inc. 9821 Cogdill Road, Suite 1 Knoxville, TN 37932	<b>Sampler (Print Name):</b>
	<b>Shipment Method:</b> FedEx
<b>Phone:</b> EMSI (303) 940-3426 / A & A (865) 675-3669	<b>Airbill Number:</b> 7705 2591 4910
<b>Fax:</b> EMSI (303) 940-3422 / A & A (865) 675-3677	<b>Laboratory Receiving:</b> 601 Scarboro Road Oak Ridge, TN 37830 (865) 481-0683

Analysis Requested										
Gross alpha	Gross beta	Gamma Spec	Isotopic Uranium	Isotopic Thorium						

Purchase Order #: \_\_\_\_\_

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Gross alpha	Gross beta	Gamma Spec	Isotopic Uranium	Isotopic Thorium	Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
ENGWESA001	10/12/17	1130	air filter	1	X	X	X	X	X		43,681,204,000 ml
ENGWESA002	10/12/17	1300	air filter	1	X	X	X	X	X	Lab: select one of the filters at random (not the field blank) and split it for a field duplicate.	43,571,581,300
ENGWESA003	10/13/17	0925	air filter	1	X	X	X	X	X		44,964,451,500
ENGWESA004	10/13/17	0905	air filter	1	X	X	X	X	X		45,976,047,700
ENGWESA005	10/13/17	1008	air filter	1	X	X	X	X	X		46,897,629,300
ENGWESA006	10/12/17	1100	air filter	1	X	X	X	X	X		45,852,257,700
ENGWESA007	10/13/17	0957	air filter	1	X	X	X	X	X		43,346,101,300
ENGWESA008	10/14/17	0712	air filter	1	X	X	X	X	X		44,616,176,400
ENGWESA009	10/12/17	1354	air filter	1	X	X	X	X	X		43,572,331,400
ENGWESA010	10/14/17	0745	air filter	1	X	X	X	X	X		45,205,534,400
ENGWESA011	10/12/17	0850	air filter	1	X	X	X	X	X		40,714,122,900
ENGWESA012	10/14/17	0840	air filter	1	X	X	X	X	X		48,543,117,100
ENGWESA013	10/13/17	1300	air filter	1	X	X	X	X	X		45,586,868,900
Field Blank	10/14/17	0840	air filter	1	X	X	X	X	X		

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) FEDEX 7705 2591 4910	Date: 10/18/17	Time: 1530	Sample Custodian Remarks (Completed By Laboratory):			
	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:	QA/QC Level Level IV <input checked="" type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Other <input type="checkbox"/>	Turnaround Routine <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> Other _____	Sample Receipt Total # Containers Received? COC Seals Present? COC Seals Intact? Received Containers Intact? Temperature?
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:				



**LONG TERM (Alpha Track) Radon Test Kit INSTRUCTIONS**  
91 Days - 12 Month Exposure Period

For your convenience, record device #s here

Device 1#: \_\_\_\_\_  
Device 2#: \_\_\_\_\_  
Device 3#: \_\_\_\_\_

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Instructions are provided to you with specific steps that must be followed. InspectUSA, National Safety Products, Accustar Labs, or any of its affiliates, cannot provide any warranty remedy to you for any claims, which arise due to the failure to follow instructions.

1. **Check the expiration date on each device.** Start your test before the expiration date or results are invalid
2. When you are ready to start the test, cut or tear open the sealed bag that contains the black device; discard the sorbit (*little cloth looking bag*). As soon as you open the bag the device is "ON" and the test has begun. **Do NOT remove the VOID sticker** or open the black plastic housing or results will be invalid.  
Save the bag, this sheet & mailing envelope for returning to lab.
3. Write each device number (or place bar code) along with your name, test address, and email address on the **INFORMATION FORM** below. **Write in the test BEGINNING date!** Also indicate the location, floor level & the name of room (IE basement, living room, bedroom etc) where the device is being exposed.
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7. Place the device(s) & information form in the mailing package. **Write your return address & seal the mailing package closed.**  
**Affix proper postage!** Return **IMMEDIATELY to: RADON LAB, 11 AWL STREET, MEDWAY, MA 02053**  
US Priority Mail w/ht DELIVERY CONFIRMATION is recommended.  
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If delivery of your kit is lost or delayed, we will not be responsible for invalid results or for a free replacement kit.

Reports are emailed within 2 weeks after we receive your devices.

You may access your test results on our website [www.InspectUSA.com/results](http://www.InspectUSA.com/results)

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[www.InspectUSA.com](http://www.InspectUSA.com)



**CUT HERE**

**INFORMATION FORM**

**CUT HERE**

Send Report To: ↓		Test address: ↓	
Name: Cecilia Greene, Marsha Joseph - Auxier & Associates, Inc.	Name: West Lake Landfill		
Address: 9821 Cogdill Road, Suite 1	Address: 13570 St. Charles Rock Road		
City, State, Zip: Knoxville, TN 37932	City, State, Zip: Bridgeton, MO 63044		
eMail address: cgreene@auxier.com mjoseph@auxier.com	Tech Certification (if required):		
<input type="checkbox"/> Check here if devices were placed 4" apart	<input type="checkbox"/> Check here if this test is a Post Mitigation test		
Notes: <b>1</b> PAGE 1 OF 5			
Device #: <b>2</b> *3444069*	Device #: *3444070*	Device #: *3444071*	
Floor level:	Floor level:	Floor level:	
Name of room: <b>3</b> #1	Name of room: #2	Name of room: #3	
Date Opened: <b>4</b> 8/3/17	Date Opened: 8/3/17	Date Opened: 8/3/17	
Date Closed: <b>5</b> 11/7/17	Date Closed: 11/7/17	Date Closed: 11/7/17	

Remember to affix proper postage or Post Office will not deliver to the Lab.

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43-11

[www.InspectUSA.com](http://www.InspectUSA.com)



**LONG TERM (Alpha Track) Radon Test Kit INSTRUCTIONS**  
91 Days - 12 Month Exposure Period

For your convenience record device # s here

Device 1#: \_\_\_\_\_

Device 2#: \_\_\_\_\_

Device 3#: \_\_\_\_\_

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[www.InspectUSA.com](http://www.InspectUSA.com)



**CUT HERE**

**INFORMATION FORM**

**CUT HERE**

<b>Send Report To: ↓</b>		<b>Test address: ↓</b>	
Name: Cecilia Greene, Marsha Joseph - Auxier & Associates, Inc.		Name: West Lake Landfill	
Address: 9821 Cogdill Road, Suite 1		Address: 13570 St. Charles Rock Road	
City, State, Zip: Knoxville, TN 37932		City, State, Zip: Bridgeton, MO 63044	
eMail address: cgreene@auxier.com mjoseph@auxier.com		Tech Certification (if required):	
<input type="checkbox"/> Check here if devices were placed 4" apart		<input type="checkbox"/> Check here if this test is a Post Mitigation test	
Notes: 1 <b>PAGE 2 OF 5</b>			
Device #: 2  *3444083*	Device #:  *3444073*	Device #:  *3444074*	
Floor level:	Floor level:	Floor level:	
Name of room: 3 #4	Name of room: #5	Name of room: #6	
Date Opened: 4 8/3/17	Date Opened: 8/3/17	Date Opened: 8/3/17	
Date Closed: 5 11/7/17	Date Closed: 11/7/17	Date Closed: 11/7/17	

**Remember to affix proper postage or Post Office will not deliver to the Lab.**

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[www.InspectUSA.com](http://www.InspectUSA.com)





**LONG TERM (Alpha Track) Radon Test Kit INSTRUCTIONS**  
91 Days - 12 Month Exposure Period

For your convenience, record device #s here

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Device 2#: \_\_\_\_\_  
Device 3#: \_\_\_\_\_

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City, State, Zip: Knoxville, TN 37932		City, State, Zip: Bridgeton, MO 63044	
eMail address: cgreene@auxier.com mjoseph@auxier.com		Tech Certification (if required):	
<input type="checkbox"/> Check here if devices were placed 4" apart		<input type="checkbox"/> Check here if this test is a Post Mitigation test	
Notes: 1 PAGE 3 OF 5			
Device #: 2	*3444075*	Device #:  *3444076*	Device #:  *3444077*
Floor level:		Floor level:	
Name of room: 3	# 7	Name of room: # 8	Name of room: # 9
Date Opened: 4	8/3/17	Date Opened: 8/3/17	Date Opened: 8/3/17
Date Closed: 5	11/7/17	Date Closed: 11/7/17	Date Closed: 11/7/17

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[www.InspectUSA.com](http://www.InspectUSA.com)



**LONG TERM (Alpha Track) Radon Test Kit INSTRUCTIONS**  
 91 Days - 12 Month Exposure Period

For your convenience, record device #s here

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 Device 3#: \_\_\_\_\_

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eMail address: cgreene@auxier.com mjoseph@auxier.com		Tech Certification (if required):	
<input type="checkbox"/> Check here if devices were placed 4" apart		<input type="checkbox"/> Check here if this test is a Post Mitigation test	
Notes: 1 PAGE 4 OF 5			
Device #: 2	*3444078*	Device #:	*3444079*
Floor level:		Floor level:	
Name of room: 3	#10	Name of room:	#11
Date Opened: 4	8/3/17	Date Opened:	8/3/17
Date Closed: 5	11/7/17	Date Closed:	11/7/17

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91 Days - 12 Month Exposure Period

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<input type="checkbox"/> Check here if devices were placed 4" apart		<input type="checkbox"/> Check here if this test is a Post Mitigation test	
Notes: 1 <b>PAGE 5 OF 5</b>			
Device #: 2  *3444082*	Device #:  *3444072*	Device #:	
Floor level:	Floor level:	Floor level:	
Name of room: 3 <b>#13</b>	Name of room: <b>DUP4</b>	Name of room:	
Date Opened: 4 <b>8/3/17</b>	Date Opened: <b>8/3/17</b>	Date Opened:	
Date Closed: 5 <b>11/7/17</b>	Date Closed: <b>11/7/17</b>	Date Closed:	

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**PASSIVE SAMPLE COLLECTION**



Air Toxics

**Sample Transportation Notice**

TRACKING # 8083 8638 8389

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Eurofins assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B  
FOLSOM, CA 95630  
(916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

**CHAIN-OF-CUSTODY RECORD**

Project Manager AUXIER ASSOC. INC / ENVIRONMENTAL MANAGEMENT SUPPORT INC

Collected by: (Print and Sign) ALEX LUNA *[Signature]*

Company A&A INC. / EMSI Email C.GREEN@AUXIER.COM  
PAUL ROSASCO@EMSI.DENVER.COM

Address A&A INC. 9821 CORDILL RD. SUITE 1 KNOXVILLE, TN 37932  
EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235

Phone A&A INC. (865) 675-3669 EMSI. (303) 940-3426

<b>Project Info:</b>		<b>Turn Around Time:</b>	<b>Reporting Units:</b>
P.O. # _____	Project # _____	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> ppmv
Project Name _____		<input type="checkbox"/> Rush	<input type="checkbox"/> ppbv
		<small>specify</small>	<input checked="" type="checkbox"/> µg/m3
			<input type="checkbox"/> mg/m3

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (NOT DEPLOYED)
	1	961JX	7.19.17	0625	8.2.17	0625	72°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	962JX	7.19.17	0641	8.2.17	0640	72°F	}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	963JX	7.19.17	0635	8.2.17	0632	72°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	712JX	7.19.17	0649	8.2.17	0647	72°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	713JX	7.19.17	0701	8.2.17	0711	72°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Duplicate TB	714JX	7.19.17	0635	8.2.17	0632	72°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		715JX	LEFT IN PACKAGING - NOT DEPLOYED						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished by: (signature) <i>[Signature]</i> Date/Time <u>8.2.17 / 0900</u>	Received by: (signature) <u>FEDEX</u> Date/Time _____	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	

**PASSIVE SAMPLE COLLECTION**



Air Toxics

Sample Transportation Notice **TRACKING# 8083 6997 7205**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Eurofins assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B  
 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

**CHAIN-OF-CUSTODY RECORD**

Project Manager: MUNIER & ASSO. INC. / ENVIRONMENTAL MANAGEMENT SUPPORT INC.

Collected by: (Print and Sign) \_\_\_\_\_

Company: A&A INC. / EMSI Email: C.GREEN@MUNIER.COM  
PAUL ROSASCO@EMSIDENVER.COM

Address: A&A INC. 9821 CORDILL RD. SUITE 1 KNOXVILLE, TN 37932  
EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235

Phone: A&A INC. (865) 675-3669 EMSI. (303) 940-3426

Project Info:	Turn Around Time:	Reporting Units:
	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush _____ <i>specify</i>	<input type="checkbox"/> ppmv <input type="checkbox"/> ppbv <input checked="" type="checkbox"/> µg/m3 <input type="checkbox"/> mg/m3
P.O. # _____	Project # _____	Project Name <u>WEST LAKE LANDFILL</u>

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (NOT DEPLOYED)	
	1	716 JX	8.2.17	0626	8.16.17	0613	75°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	5	717 JX	8.2.17	0641	8.16.17	0623	75°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	7	718 JX	8.2.17	0633	8.16.17	0620	75°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8	719 JX	8.2.17	0648	8.16.17	0626	75°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	12	720 JX	8.2.17	0712	8.16.17	0600	75°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Duplicate	721 JX	8.2.17	0648	8.16.17	0626	75°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	TB	728 JX	LEFT IN PACKAGING - NOT DEPLOYED							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>8.16.17</u>	Received by: (signature) <u>FEDEX</u> Date/Time <u>8.16.17</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Yes	No	None			

BILL

**PASSIVE SAMPLE COLLECTION**



Air Toxics

**Sample Transportation Notice** TRACKING # 8083 6997 7180  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and International laws, regulations and ordinances of any kind. Eurofins assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

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 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

**CHAIN-OF-CUSTODY RECORD**

Project Manager ADRIAN ASSOCIATES INC / ENVIRONMENTAL MANAGEMENT SUPPORT INC.  
 Collected by: (Print and Sign) ALEX LUNA  
 Company A & A INC. / EMSI Email C.GREEN@ADRIAN.COM  
A & A INC. 9821 CORDILL RD. SUITE 1 KNOXVILLE, TN 37932  
 Address EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235  
 Phone A & A INC. (865) 675-3669 EMSI. (303) 940-3426

<b>Project Info:</b>		<b>Turn Around Time:</b>	<b>Reporting Units:</b>
P.O. # _____	Project # _____	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	<input type="checkbox"/> ppmv <input type="checkbox"/> ppbv <input checked="" type="checkbox"/> µg/m3 <input type="checkbox"/> mg/m3
Project Name <u>WEST LAKE LANDFILL</u>		specify _____	

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (NOT DEPLOYED)
	1	722 JX	8.16.17	0614	8.30.17	1103	76°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	723 JX	8.16.17	0624	8.30.17	1117	76°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	724 JX	8.16.17	0621	8.30.17	1113	76°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	725 JX	8.16.17	0628	8.30.17	1121	76°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	726 JX	8.16.17	0601	8.30.17	1129	76°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DUPLICATE	727 JX	8.16.17	0601	8.30.17	1129	76°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TB	729 JX	LEFT IN PACKAGING - NOT DEPLOYED							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>8.30.17</u>	Received by: (signature) <u>FEDEX</u> Date/Time _____	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	

**PASSIVE SAMPLE COLLECTION**



Sample Transportation Notice **TRACKING # 8083 6997 7250**  
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 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

**CHAIN-OF-CUSTODY RECORD**

Project Manager AUYIER & ASSO. INC / ENVIRONMENTAL MANAGEMENT SUPPORT INC.

Collected by: (Print and Sign) \_\_\_\_\_

Company A&A INC. / EMSI C.GREEN@AUYIER.COM  
A&A INC. 9821 CORDILL RD. SUITE 1 KNOXVILLE, TN 37932 Email PAULADASSAO@EMSIDENVER.COM

Address EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235

Phone A&A INC. (865) 675-3669 EMSI. (303) 940-3426

<b>Project Info:</b>		<b>Turn Around Time:</b>	<b>Reporting Units:</b>
P.O. # _____	Project # _____	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	<input type="checkbox"/> ppmv <input type="checkbox"/> ppbv <input checked="" type="checkbox"/> µg/m3 <input type="checkbox"/> mg/m3
Project Name <u>WEST LAKE LANDFILL</u>		specify _____	

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr : min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr : min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (Not Deployed)
	1	740 JX	8.30.17	1104	9.13.17	0913	64°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	052 JT	8.30.17	1118	9.13.17	0926	64°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	053 JT	8.30.17	1114	9.13.17	0922	64°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	732 JX	8.30.17	1102	9.13.17	0930	64°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	731 JX	8.30.17	1130	9.13.17	0900	64°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Duplicate	054 JT	8.30.17	1104	9.13.17	0913	64°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TB	055 JT	LEFT IN PACKAGING - NOT DEPLOYED							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>9.13.17</u>	Received by: (signature) <u>FEDEX</u> Date/Time _____	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	

**PASSIVE SAMPLE COLLECTION**



Air Toxics

Sample Transportation Notice **TRACKING # 8083-6997-7216**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Eurofins assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

**COPY**  
 180 BLUE RAVINE ROAD, SUITE B  
 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

**CHAIN-OF-CUSTODY RECORD**

Project Manager AUXIER & ASSO. INC. / ENVIRONMENTAL MANAGEMENT SUPPORT INC.  
 Collected by: (Print and Sign) ALEX LUNA *Alex Luna*  
 Company A&A INC. / EMSI *C. GREEN @ AUXIER.COM*  
 Address EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235  
 Phone A&A INC. (865) 675-3669 EMSI. (303) 940-3426

<b>Project Info:</b>	<b>Turn Around Time:</b>	<b>Reporting Units:</b>
P.O. # _____	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> ppmv
Project # _____	<input type="checkbox"/> Rush	<input type="checkbox"/> ppbv
Project Name <u>WEST LAKE LANDFILL</u>	<i>specify</i>	<input checked="" type="checkbox"/> µg/m3
		<input type="checkbox"/> mg/m3

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (NOT DEPLOYED)
	1	056JT	09.13.17	0914	09.27.17	0739	65°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	057JT	09.13.17	0927	09.27.17	0725	65°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	058JT	09.13.17	0923	09.27.17	0721	65°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	059JT	09.13.17	0931	09.27.17	0730	65°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	D60JT	09.13.17	0901	09.27.17	0715	65°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Duplicate	061JT	09.13.17	0927	09.27.17	0725	65°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TB	D62JT	LEFT IN PACKAGING - NOT DEPLOYED							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished by: (signature) <i>Alex Luna</i> Date/Time <u>9.27.17</u>	Received by: (signature) <b>FEDEX</b> Date/Time _____	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	



**PASSIVE SAMPLE COLLECTION**



Air Toxics

Sample Transportation Notice **TRACKING# 8083 8638 8378**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Eurofins assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

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 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_\_ of \_\_\_\_

**CHAIN-OF-CUSTODY RECORD**

Project Manager AUXIER & ASSO. INC./ENVIRONMENTAL MANAGEMENT SUPPORT INC.

Collected by: (Print and Sign) ALEX LUNA *Alex Luna*

Company A&A INC. / EMSI *C. GREEN @ AUXIER.COM*  
 Email PAULRSASCO @ EMSI.DENVER.COM

Address EMSI - 7220 W. JEFFERSON AVE. SUITE 406 LAKEWOOD, CO 80235  
*A&A INC. 9821 COPPILL RD. SUITE 1 KNOXVILLE, TN 37932*

Phone A&A INC. (865) 675-3669 EMSI. (303) 940-3426

<b>Project Info:</b>		<b>Turn Around Time:</b>	<b>Reporting Units:</b>
P.O. # _____	Project # _____	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <i>specify</i>	<input type="checkbox"/> ppmv <input type="checkbox"/> ppbv <input checked="" type="checkbox"/> µg/m3 <input type="checkbox"/> mg/m3
Project Name <u>WEST LAKE LANDFILL</u>		Indoor Air	Outdoor Air
		Workplace Monitoring	Other (NOT DEPLOYED)

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Air Temperature	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other (NOT DEPLOYED)	
	1	063 JT	09.27.17	0740	10.11.17	0808	51°F	SEE ATTACHED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	5	064 JT	09.27.17	0726	10.11.17	0753	51°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	7	065 JT	09.27.17	0722	10.11.17	0748	51°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	8	066 JT	09.27.17	0731	10.11.17	0800	51°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	12	067 JT	09.27.17	0716	10.11.17	0740	51°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Duplicate	068 JT	09.27.17	0722	10.11.17	0748	51°F		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	TB	069 JT	LEFT IN PACKAGING - NOT DEPLOYED							<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Relinquished by: (signature) <i>Alex Luna</i> Date/Time <u>10.11.17</u>	Received by: (signature) <u>FEDEX</u> Date/Time _____	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Yes	No	None			

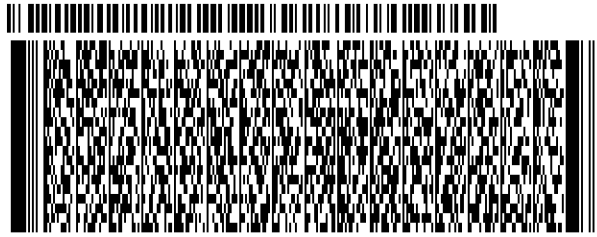
ORIGIN ID:ALNA (314) 502-1299  
BILL ABERNATHY  
3377 HOLLENBERG DR  
BRIDGETON, MO 63044  
UNITED STATES US

SHIP DATE: 27 JUL 17  
ACTWGT:  
CAD: 105653986/INET3920  
BILL SENDER

TO **SAMPLE RECEIVING**  
**MIRION TECHNOLOGIES**  
**17192 MURPHY AVENUE**

549.J1/00C2/104C

**IRVINE CA 92614**  
(800) 251-3331 REF: 7-27-17 TLD'S  
INV: DEPT:  
PO:

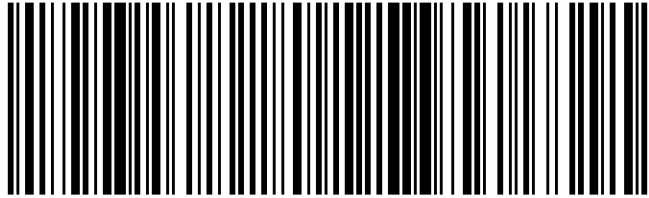


**FRI - 28 JUL 3:00P**  
**STANDARD OVERNIGHT**

TRK#  
0201 **7797 4774 7166**

**NH DTHA**

**92614**  
CA-US **SNA**



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



FedEx Tracking Number 8086 2903 4030

Form 10 No. 0200

Smiler's Copy

**1 From** Please print and press hard.  
 Date 10.30.17 Sender's FedEx Account Number 3225-8707-4  
 Sender's Name ALEX KUNA Phone (505) 463 2895  
 Company AUKLER  
 Address 13570 ST CHARLES ROCK RD.  
 City BRIDGETON State MO ZIP 63044

**2 Your Internal Billing Reference**  
 First 24 characters will appear on invoice.

**3 To**  
 Recipient's Name SAMPLE RECEIVING  
 Company MIRION TECHNOLOGIES  
 Address 17192 MURPHY AVE  
 City IRVINE State CA ZIP 92614

**HOLD Weekday**  
 FedEx location address  
 REQUIRED. NOT available for  
 FedEx First Overnight.

**HOLD Saturday**  
 FedEx location address  
 REQUIRED. Available ONLY for  
 FedEx Priority Overnight and  
 FedEx 2Day to select locations.

**4 Express Package Service** \*To most locations.  
 NOTE: Service order has changed. Please select carefully.

**Next Business Day**

FedEx First Overnight  
 Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Priority Overnight  
 Next business morning.\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight  
 Next business afternoon.\* Saturday Delivery NOT available.

**2 or 3 Business Days**

FedEx 2Day A.M.  
 Second business morning.\* Saturday Delivery NOT available.

FedEx 2Day  
 Second business afternoon.\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver  
 Third business day.\* Saturday Delivery NOT available.

**5 Packaging** \*Declared value limit \$500.

FedEx Envelope\*  FedEx Pak\*  FedEx Box  FedEx Tube  Other

**6 Special Handling and Delivery Signature Options**

SATURDAY Delivery  
 NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required  
 Package may be left without obtaining a signature for delivery.

Direct Signature  
 Someone at recipient's address may sign for delivery. *Fee applies.*

Indirect Signature  
 If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?  
*One box must be checked.*

No  Yes As per attached Shipper's Declaration.  Yes Shipper's Declaration not required.  Dry Ice Dry ice, 9, UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.  Cargo Aircraft Only

**7 Payment Bill to:** Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct No. in Section 1 will be billed.  Recipient  Third Party  Credit Card  Cash/Check

FedEx Acct. No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
 Credit Card No. \_\_\_\_\_

Total Packages \_\_\_\_\_ Total Weight \_\_\_\_\_ lbs. \$ \_\_\_\_\_ Total Declared Value† \_\_\_\_\_

Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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**Easy new Peel-and-Stick airbill. No pouch needed.**  
 Apply airbill directly to your package. See directions on back.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

644

**FedEx** *NEW Package*  
Express *US Airbill*

FedEx Tracking Number **8086 2903 4040**

**1 From** Please print and press hard.

Date **10-27-17** Sender's FedEx Account Number **3225-8707-4**

Sender's Name **ALEX LUNA** Phone **505 463 2895**

TO **AUXIER**  
13570 ST CHARLES ROCK RD.  
Dept./Floor/Suite/Room  
**BRIDGETON** State **MO** ZIP **63044**

**Internal Billing Reference**

Characters will appear on invoice.

Client's Name **SAMPLE RECEIVING** Phone ( )

Company **MIRION TECHNOLOGIES**

Address **17192 MURPHY AVE**  
Dept./Floor/Suite/Room

Address **IRVINE** State **CA** ZIP **92614**

This line for the HOLD location address or for continuation of your shipping address.



**Easy new Peel-and-Stick airbill. No pouch needed.**  
Apply airbill directly to your package. See directions on back.

Form ID No. **0200**

Sender's Copy

**4 Express Package Service**

\*To most locations.

**Packages up to 150 lbs.**  
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

NOTE: Service order has changed. Please select carefully.

**Next Business Day**

- FedEx First Overnight**  
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Priority Overnight**  
Next business morning.\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Standard Overnight**  
Next business afternoon.\* Saturday Delivery NOT available.

**2 or 3 Business Days**

- FedEx 2Day A.M.**  
Second business morning.\* Saturday Delivery NOT available.
- FedEx 2Day**  
Second business afternoon.\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver**  
Third business day.\* Saturday Delivery NOT available.

**5 Packaging**

\*Declared value limit \$500.

- FedEx Envelope\*
- FedEx Pak\*
- FedEx Box**
- FedEx Tube
- Other

**6 Special Handling and Delivery Signature Options**

- SATURDAY Delivery**  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- No Signature Required**  
Package may be left without obtaining a signature for delivery.
- Direct Signature**  
Someone at recipient's address may sign for delivery. Fee applies.
- Indirect Signature**  
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

**Does this shipment contain dangerous goods?**

One box must be checked.

- No**
- Yes**  
As per attached Shipper's Declaration.
- Yes**  
Shipper's Declaration not required.
- Dry Ice**  
Dry Ice, 9, UN 1845 x kg
- Cargo Aircraft Only**

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

**7 Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below.

- Sender**  
Acct. No. in Section 1 will be billed.
- Recipient**
- Third Party**
- Credit Card**
- Cash/Check**

FedEx Acct. No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Credit Card No. \_\_\_\_\_

Total Packages \_\_\_\_\_ Total Weight \_\_\_\_\_ lbs. Total Declared Value \$ \_\_\_\_\_ .00

\*Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

**644**

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.